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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: AC 13	Date of Summary: 27-SEP-2001	First Sample Examined:	7030
Lease Number: G20819	Source of Paleo: OPERATOR	Borehole MD:	7873
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	7873
API Well Number: 608054001600	Drilling Operator: PIONEER NATURAL RESOURCES USAINC	Rkb Elevation:	80
Paleo Report Num: 1 of 2	Sample Range: 7030 - 7873	Water Depth:	4946
Public Info Code: Y 19-OCT-2007	Ecozone Eg MMS: Y	Paleo ID:	002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozon	<u>e</u>
7030 / 7030	DEF AT first sample examined	DEF IN 4	
7031 / 7031	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4	
7240 / 7240	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4	
7873 / 7873	DEF AT last sample examined	DEF IN 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 13 Date of Summary: 27-SEP-2001 First Sample Examined: 7030 Source of Paleo: OPERATOR Lease Number: G20819 **Borehole MD:** 7873 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7873 **API Well Number:** 608054001600 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 7030 - 7873 Water Depth: 4946 Public Info Code: Y 19-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7030 / 7030	DEF AT first sample examined	DEF AT
7031 / 7031	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7270 / 7270	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7840 / 7840	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7873 / 7873	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 25 Date of Summary: 01-FEB-1997 First Sample Examined: 7350 Lease Number: G10380 Source of Paleo: OPERATOR **Borehole MD:** 13030 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 13026 **API Well Number:** 608054000200 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 7350 - 13980 Water Depth: 4795 Public Info Code: Y 01-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Hoover Prospect, company-integrated foram and nanno report, foram and nanno species abundance and diversity chart available, see report for

details

MD/TVD		Paleo Top Description		E	cozone
7350 / 7350	DEF	AT first sample examined	DEF	AT	
7381 / 7381	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT	
9630 / 9629	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	
10290 /10289	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	
11220 /11219	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	
11640 /11639	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT	
12265 /12264	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	
12360 /12359	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	5
12419 /12418	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
12420 /12419	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
12810 /12808	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
12929 /12926	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	6
12930 /12927	POS	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	6
12959 /12956	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	6
12960 /12957	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	6
13020 /13016	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
13109 /	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6
13110 /	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	6
13170 /	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
13260 /	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	6
13288 /	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AC 25 Date of Summary: 01-FEB-1997 7350 Source of Paleo: OPERATOR Lease Number: G10380 **Borehole MD:** 13030 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 13026 **API Well Number:** 608054000200 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 7350 - 13980 Water Depth: 4795

Public Info Code: Y 01-MAR-2007 Ecozone Eq MMS: Paleo ID:

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
13289 /	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	6
13290 /	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	6
13320 /	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	6
13350 /	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	6
13380 /	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	6
13409 /	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	5
13410 /	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
13470 /	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
13559 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	6
13560 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	6
13650 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	6
13680 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	6
13710 /	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
13739 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	6
13740 /	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
13800 /	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	6
13950 /	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	AT	6
13979 /	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	6
13980 /	DEF	AT last sample examined	DEF	AT	6

MD / TVD

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FCOZONO

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 65 First Sample Examined: 6788 Date of Summary: 01-APR-1997 Lease Number: G09249 Source of Paleo: OPERATOR **Borehole MD:** 17000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: SS001 **Borehole TVD:** 16427 **API Well Number:** 608054000300 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 6788 - 17000 Water Depth: 4852 Public Info Code: Y 23-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Diana Prospect, consultant-integrated foram and nanno report, 11880=Catinaster coalitus extensus, 12690=also at Uvigerina mexicana, 13170=Cibicides mexicanus, 14760=common Globigerina spp, 14790=Bulimina jarvisi, 14810=Helicosphaera bramlettei, 14820=Globigerina

anguliofficinalis

Paleo Ton Description

ND	<u>/ IVD</u>		Paleo Top Description		<u> Ecozone</u>
6788	/ 6787	DEF	AT first sample examined	DEF	AT
6789	/ 6788	POS	IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT
8820	/ 8819	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
9000	/ 8999	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF	AT
9600	/ 9599	DEF	AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF	AT
10140	/10139	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT
10950	/10949	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
11010	/11009	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
11098	/11097	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
11099	/11098	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
11100	/11099	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT
11130	/11129	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
11220	/11219	DEF	AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF	AT
11250	/11249	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT
11370	/11368	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11550	/11548	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11640	/11638	DEF	AT Upper Miocene (Tortonian) Discoaster bellus	DEF	AT
11700	/11698	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
11730	/11728	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
11790	/11787	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AC 65 Date of Summary: 01-APR-1997 6788 Source of Paleo: OPERATOR Lease Number: G09249 **Borehole MD:** 17000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: SS001 **Borehole TVD:** 16427 **API Well Number:** 608054000300 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 6788 - 17000 Water Depth: 4852

Public Info Code: Y 23-APR-2007 Ecozone Eq MMS:

MD/TVD		Paleo Top Description		Ecozone
11820 /11817	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
11850 /11847	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
11880 /11876	DEF	AT local marker floral increase	DEF	AT
11940 /11935	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF	AT
11970 /11965	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
12000 /11994	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT
12028 /12022	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
12029 /12023	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT
12030 /12024	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT
12088 /12080	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
12089 /12081	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT
12090 /12082	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
12120 /12111	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT
12149 /12140	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
12150 /12141	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT
12210 /12199	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT
12269 /12257	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT
12270 /12258	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT
12329 /12315	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
12330 /12316	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT
12510 /12488	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
12598 /12570	DEF	AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
12599 /12571	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
12600 /12572	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT

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Ecozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 65 Date of Summary: 01-APR-1997 First Sample Examined: 6788 Source of Paleo: OPERATOR Lease Number: G09249 **Borehole MD:** 17000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: SS001 **Borehole TVD:** 16427 **API Well Number:** 608054000300 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 6788 - 17000 Water Depth: 4852 Public Info Code: Y 23-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

12660 /12628 DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF	AT
12689 /12655 DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF	AT
12690 /12656 DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF	AT
12900 /12847 DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
13020 /12952 DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT
13080 /13004 DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT
13170 /13080 DEF AT local marker benthic foram increase	DEF	AT
14340 /14067 DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT
14460 /14169 DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF	AT
14659 /14340 DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT
14660 /14341 DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF	AT
14750 /14421 DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
14760 /14430 DEF AT local marker planktic foram increase	DEF	AT
14790 /14457 DEF AT local marker benthic foram increase	DEF	AT
14810 /14475 DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
14940 /14592 DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF	AT
15830 /15349 DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
16190 /15668 DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
17000 /16427 DEF AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-MAY-1997 Area Block: AC 65 First Sample Examined: 11100 Lease Number: G09249 Source of Paleo: OPERATOR **Borehole MD:** 12180 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: SS001 **Borehole TVD:** 11227 **API Well Number:** 608054000301 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 11100 - 15570 Water Depth: 4852 Public Info Code: Y 19-MAY-2007 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Diana Prospect, 14760=Globigerinoides datum, 14820=Globigerina anguliofficinalis

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
11100 /10517	DEF	AT first sample examined	DEF	AT	5
11101 /10517	DEF	IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	5
11250 /10608	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
11520 /10774	DEF	IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	5
11550 /10793	DEF	AT local marker planktic foram increase	DEF	AT	5
11610 /10830	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	5
11700 /10888	DEF	AT faunal change (no faunal increase)	DEF	IN	4
11820 /10969	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	4
11999 /11095	DEF	AT condensed section	DEF	IN	4
12000 /11096	DEF	IN Upper Miocene (Tortonian) Discorbis 12	DEF	IN	4
12030 /11118	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
12060 /11139	DEF	AT local marker planktic foram increase	DEF	AT	5
12090 /11161	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	IN	5
12150 /11205	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	5
12210 /	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	5
12240 /	DEF	AT local marker planktic foram increase	DEF	IN	5
12270 /	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	5
12390 /	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	IN	5
12450 /	DEF	AT drilling material	DEF	IN	5
12510 /	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	5
12630 /	DEF	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	IN	5
13080 /	DEF	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 65 Date of Summary: 01-MAY-1997 First Sample Examined: 11100 Lease Number: G09249 Source of Paleo: OPERATOR **Borehole MD:** 12180 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: SS001 **Borehole TVD:** 11227 **API Well Number:** 608054000301 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 11100 - 15570 Water Depth: 4852 Public Info Code: Y 19-MAY-2007 Paleo ID: **Ecozone Eq MMS:** 001

MD/TVD		Paleo Top Description		Ecozone
13410 /	DEF	AT condensed section	DEF IN	N 5
13470 /	DEF	AT deepwater facies Abbeville Iberia	DEF A	T 5
13500 /	DEF	AT local marker foram increase	DEF A	T 5
13620 /	DEF	AT faunal change (no faunal increase)	DEF IN	J 4
13800 /	DEF	AT drilling material	DEF IN	J 4
14250 /	DEF	AT local marker planktic foram increase	DEF IN	J 4
14759 /	POS	AT Oligocene	DEF IN	J 4
14760 /	POS	AT local marker planktic foram increase	DEF IN	J 4
14790 /	POS	IN Oligocene	DEF A	T 5
14820 /	DEF	AT local marker planktic foram increase	DEF A	T 5
14910 /	DEF	AT local marker planktic foram increase	DEF A	T 5
14940 /	DEF	AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN	J 5
15570 /	DEF	AT last sample examined	DEF IN	N 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 200 Date of Summary: 30-JUN-1998 First Sample Examined: 6780 Lease Number: G15964 Source of Paleo: OPERATOR **Borehole MD:** 10630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 10630 **API Well Number:** 608054000400 **Drilling Operator:** EXXON MOBIL CORPORATION **Rkb Elevation:** 48 **Sample Range:** 6780 - 10620 Paleo Report Num: 1 of 1 Water Depth: 5088 Public Info Code: Y 31-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Bohemia Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report

for details

MD/TVD		Paleo Top Description		Eco	zone
6780 / 6780	DEF	AT first sample examined	DEF	AT	3
6781 / 6781	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	3
6900 / 6900	DEF	AT local marker planktic foram increase	DEF	AT	4
7380 / 7380	POS	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
8400 / 8400	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	4
8819 / 8819	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	4
8820 / 8820	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	4
9180 / 9180	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
9500 / 9500	DEF	AT	DEF	AT	3
10140 /10140	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT	3
10230 /10230	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	3
10260 /10260	DEF	AT	DEF	AT	4
10290 /10290	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
10320 /10320	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
10379 /10379	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	4
10380 /10380	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
10410 /10410	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	4
10440 /10440	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
10469 /10469	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF	AT	4
10470 /10470	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
10500 /10500	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 200 Date of Summary: 30-JUN-1998 First Sample Examined: 6780 10630

Lease Number: G15964 Source of Paleo: OPERATOR **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 10630

API Well Number: 608054000400 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 48

Paleo Report Num: 1 of 1 **Sample Range:** 6780 - 10620 Water Depth: 5088

Public Info Code: Y 31-OCT-2005 Ecozone Eq MMS: Y

MD/TVD **Paleo Top Description Ecozone** 10620 /10620 DEF AT last sample examined DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 739 Date of Summary: 26-JAN-2005 First Sample Examined: 10500 Lease Number: G19390 Source of Paleo: OPERATOR **Borehole MD:** 19725 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19537 **API Well Number:** 608054002800 **Drilling Operator: BP EXPLORATION & PRODUCTION INC Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 10500 - 19724 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance table available, see report for

details

MD/TVD		Paleo Top Description		Ecozone
10500 /10498	DEF	AT first sample examined	DEF	AT
10501 /10499	DEF	IN salt	DEF	AT
11650 /11648	POS	IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
11699 /11697	DEF	AT salt	DEF	AT
11700 /11698	DEF	AT local marker floral decrease	DEF	AT
11900 /11897	DEF	IN Lower Oligocene	DEF	AT
12019 /12015	DEF	AT salt	DEF	AT
12020 /12016	DEF	AT local marker floral decrease	DEF	AT
13230 /13205	POS	IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
13290 /13263	DEF	AT salt	DEF	AT
13320 /13293	DEF	AT local marker floral decrease	DEF	AT
13350 /13322	DEF	AT salt	DEF	AT
14170 /14122	DEF	AT local marker floral decrease	DEF	AT
14200 /14151	DEF	AT salt	DEF	AT
14800 /14737	DEF	AT local marker floral decrease	DEF	AT
14860 /14796	DEF	AT salt	DEF	AT
15860 /15771	DEF	AT local marker floral decrease	DEF	AT
16210 /16111	DEF	AT salt	DEF	AT
16270 /16170	DEF	AT local marker floral decrease	DEF	AT
16540 /16432	DEF	AT salt	DEF	AT
16898 /16781	DEF	AT out-of-place section	DEF	AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 739 Date of Summary: 26-JAN-2005 First Sample Examined: 10500 Source of Paleo: OPERATOR Lease Number: G19390 **Borehole MD:** 19725 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19537 **API Well Number:** 608054002800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 10500 - 19724 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/IVD		Paleo Top Description		1	Ecozone
16899 /16782	DEF	AT local marker floral increase	DEF	AT	6
16900 /16783	DEF	IN Lower Oligocene	DEF	AT	6
16928 /16810	DEF	AT base of salt	DEF	AT	6
16929 /16811	DEF	AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF	AT	6
16930 /16812	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT	6
17140 /17017	DEF	AT local marker planktic foram increase	DEF	AT	6
17170 /17046	DEF	AT local marker floral increase	DEF	AT	6
17290 /17163	DEF	AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF	AT	6
17349 /17220	DEF	AT local marker planktic foram increase	DEF	AT	6
17350 /17221	POS	IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	6
17410 /17279	DEF	AT local marker planktic foram increase	DEF	AT	6
17740 /17601	POS	IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	AT	6
17799 /17658	DEF	AT local marker planktic foram increase	DEF	AT	6
17800 /17659	DEF	AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF	AT	6
17890 /17747	DEF	AT local marker planktic foram increase	DEF	AT	6
17920 /17777	DEF	AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF	AT	6
18040 /17894	DEF	AT local marker planktic foram increase	DEF	AT	6
18099 /17951	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF	AT	6
18100 /17952	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	AT	6
18130 /17981	DEF	AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF	AT	6
18310 /18157	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT	6
18400 /18245	DEF	AT local marker planktic foram increase	DEF	AT	6
18460 /18303	DEF	AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF	AT	6
18730 /18567	DEF	AT reworked material	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 739 Date of Summary: 26-JAN-2005 First Sample Examined: 10500 Source of Paleo: OPERATOR Lease Number: G19390 **Borehole MD:** 19725 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19537 **API Well Number:** 608054002800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 10500 - 19724 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Paleo ID:

Ecozone Eq MMS: Y

Paleo Top Description

MID/ IVD		Paleo Top Description		!	<u>Ecozone</u>
18759 /18595	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	IN	6
18760 /18596	DEF	AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF	IN	6
18820 /18655	DEF	AT local marker planktic foram increase	DEF	IN	6
18879 /18712	DEF	AT Middle Eocene (Bartonian) Sphenolithus radians	DEF	IN	6
18880 /18713	DEF	AT local marker planktic foram increase	DEF	IN	6
19030 /18859	DEF	AT reworked material	DEF	IN	6
19060 /18889	DEF	AT local marker planktic foram increase	DEF	IN	6
19119 /18946	DEF	AT Middle Eocene (Bartonian) Pemma basquensis	DEF	IN	6
19120 /18947	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	IN	6
19269 /19093	DEF	AT Middle Eocene (Bartonian) Micrantholithus procerus	DEF	IN	6
19270 /19094	DEF	AT local marker planktic foram increase	DEF	IN	6
19299 /19122	POS	AT reworked material	DEF	IN	6
19300 /19123	POS	AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF	IN	6
19360 /19182	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
19420 /19240	DEF	AT local marker floral increase	DEF	IN	6
19540 /19357	POS	AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	IN	6
19570 /19386	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
19605 /19420	DEF	AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	IN	6
19608 /19423	POS	AT reworked material	DEF	IN	6
19609 /19424	POS	AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF	IN	6
19610 /19425	DEF	AT local marker planktic foram increase	DEF	IN	6
19620 /19435	DEF	AT reworked material	DEF	IN	6
19680 /19494	DEF	AT reworked material	DEF	IN	6
19724 /19537	DEF	AT last sample examined	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 02-MAY-2005 Area Block: AC 739 First Sample Examined: 16930 Lease Number: G19390 Source of Paleo: OPERATOR **Borehole MD:** 23847 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 23552 **API Well Number:** 608054002801 **Drilling Operator:** BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 16930 - 23807 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance tables available, see report for

details

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
16930 /16817	DEF	AT first sample examined	DEF	AT	
16931 /16818	DEF	IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT	
17290 /17169	DEF	AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF	AT	
17920 /17784	DEF	AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF	AT	
18040 /17901	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	AT	
18310 /18164	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT	
18460 /18310	DEF	AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF	AT	
18629 /18475	DEF	AT Upper Eocene (Priabonian) Chiasmolithus consuetus	DEF	IN	6
18730 /18572	DEF	AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF	IN	6
18760 /18601	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	IN	6
18850 /18688	DEF	AT local marker planktic foram increase	DEF	IN	6
18999 /18832	POS	AT Middle Eocene (Bartonian) Pemma papillatum	DEF	IN	6
19000 /18833	POS	AT Middle Eocene (Bartonian) Sphenolithus radians	DEF	IN	6
19120 /18949	DEF	AT Middle Eocene (Bartonian) Pemma basquensis	DEF	IN	6
19240 /19064	DEF	AT local marker planktic foram increase	DEF	IN	6
19450 /19266	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
19548 /19360	DEF	AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	IN	6
19603 /19413	POS	AT local marker planktic foram increase	DEF	IN	6
19751 /19556	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
19778 /19583	DEF	AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF	IN	6
19779 /19584	DEF	AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 02-MAY-2005 Area Block: AC 739 First Sample Examined: 16930 Lease Number: G19390 Source of Paleo: OPERATOR **Borehole MD:** 23847 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 23552 **API Well Number:** 608054002801 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 16930 - 23807 Water Depth: 6857 Paleo ID: 001

Public Info Code: Y 27-OCT-2005 **Ecozone Eq MMS:** Y

MD/TVD		Paleo Top Description		Ecozone
19780 /19584	DEF	AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN	۸ 6
19781 /19585	DEF	AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN	۸ 6
19810 /19613	DEF	AT Middle Eocene (Bartonian) Birkelundia staurion	DEF IN	۸ 6
19811 /19614	POS	AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN	۸ 6
19841 /19643	DEF	AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN	۸ 6
19901 /19701	DEF	AT local marker planktic foram increase	DEF IN	۸ 6
19977 /19775	DEF	AT Middle Eocene (Bartonian) Chias molithus gigas	DEF IN	۸ 6
19978 /19776	DEF	AT local marker planktic foram increase	DEF IN	۸ 6
19991 /19788	DEF	AT radiolarians	DEF IN	۸ 6
20017 /19813	DEF	AT radiolarians	DEF IN	۸ 6
20018 /19814	DEF	AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF IN	۸ 6
20019 /19815	DEF	AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF IN	۸ 6
20020 /19816	POS	AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN	۸ 6
20021 /19817	POS	AT Lower Eocene (Ypresian) Morozovella rex/subbotinae	DEF IN	۸ 6
20050 /19845	DEF	AT radiolarians	DEF IN	۸ 6
20051 /19846	POS	AT Arenaceous fauna (local marker)	DEF IN	۸ 6
20171 /19962	POS	AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN	۸ 6
20200 /19990	POS	AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF IN	۸ 6
20201 /19991	POS	AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN	۸ 6
20230 /20019	DEF	AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF IN	۸ 6
20231 /20020	POS	AT Arenaceous fauna (local marker)	DEF IN	۸ 6
20288 /20075	DEF	AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF IN	۸ 6
20289 /20076	DEF	AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN	۸ 6
20290 /20077	POS	AT Bathysiphon fauna	DEF IN	۸ 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 739 Date of Summary: 02-MAY-2005 First Sample Examined: 16930 Lease Number: G19390 Source of Paleo: OPERATOR **Borehole MD:** 23847 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 23552 **API Well Number:** 608054002801 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 16930 - 23807 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/ IVD		Paleo Top Description		<u> </u>	Ecozone
20291 /20078	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
20311 /20097	DEF	AT cement	DEF	IN	6
20390 /20174	POS	AT local marker planktic foram increase	DEF	IN	6
20410 /20193	DEF	AT local marker floral increase	DEF	IN	6
20429 /20211	POS	AT local marker planktic foram increase	DEF	IN	6
20438 /20220	DEF	AT local marker foram decrease	DEF	IN	6
20439 /20221	DEF	AT radiolarians	DEF	IN	6
20460 /20241	DEF	AT Bathysiphon fauna	DEF	IN	6
20500 /20280	DEF	AT Upper Paleocene (Thanetian) Toweius eminens	DEF	IN	6
20650 /20425	POS	AT local marker planktic foram increase	DEF	IN	6
20698 /20471	DEF	AT radiolarians	DEF	IN	6
20739 /20511	DEF	AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF	IN	6
20740 /20512	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
20800 /20570	DEF	AT Bathysiphon fauna	DEF	IN	6
21159 /20917	POS	AT local marker floral increase	DEF	IN	6
21160 /20917	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
21280 /21034	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
21910 /21648	POS	AT Arenaceous fauna (local marker)	DEF	IN	6
22180 /21912	POS	AT local marker foram increase	DEF	IN	6
22780 /22499	POS	AT local marker planktic foram increase	DEF	IN	6
22840 /22558	DEF	AT Bathysiphon fauna	DEF	IN	6
23020 /22735	DEF	AT Bathysiphon fauna	DEF	IN	6
23230 /22942	POS	AT local marker foram increase	DEF	IN	6
23320 /23031	POS	AT Arenaceous fauna (local marker)	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 739 Date of Summary: 02-MAY-2005 First Sample Examined: 16930 Source of Paleo: OPERATOR Lease Number: G19390 **Borehole MD:** 23847 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 23552 **API Well Number:** 608054002801 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 16930 - 23807 Water Depth: 6857 Public Info Code: Y 27-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		Ecozone
23335 /23046	DEF	AT Bathysiphon fauna	DEF IN	6
23410 /23120	POS	AT local marker foram increase	DEF IN	l 6
23449 /23158	POS	AT Arenaceous fauna (local marker)	DEF IN	l 6
23650 /23357	DEF	AT Arenaceous fauna (local marker)	DEF IN	l 6
23708 /23415	DEF	AT reworked material	DEF IN	l 6
23709 /23416	DEF	AT local marker planktic foram increase	DEF IN	l 6
23710 /23417	POS	AT Upper Paleocene (Thanetian) Morozovella angulata	DEF IN	l 6
23807 /23513	DEF	AT last sample examined	DEF IN	l 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 943 Date of Summary: 05-APR-2004 First Sample Examined: 9700 Lease Number: G17575 Source of Paleo: OPERATOR **Borehole MD:** 11700 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11700 **API Well Number:** 608054002600 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 9700 - 11700 Water Depth: 7962 Public Info Code: Y 31-DEC-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
9700 / 9700	DEF	AT first sample examined	DEF	AT	5
9701 / 9701	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
9760 / 9760	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
9790 / 9790	POS	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	5
9820 / 9820	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
9880 / 9880	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	5
9910 / 9910	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
10020 /10020	DEF	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	5
10040 /10040	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	5
10070 /10070	DEF	AT Upper Oligocene (Chattian) Globigerina sellii	DEF	AT	5
10080 /10080	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	5
10090 /10090	DEF	AT radiolarians	DEF	AT	5
10130 /10130	DEF	AT faunal change (no faunal increase)	POS	AT	5
10170 /10170	POS	AT pyrite	DEF	AT	5
10200 /10200	DEF	AT local marker (general)	DEF	AT	5
10260 /10260	DEF	AT faunal change (no faunal increase)	POS	AT	5
10390 /10390	DEF	AT transported outer shelf facies	POS	AT	3
10420 /10420	DEF	AT siltstone	DEF	AT	
10659 /10659	DEF	AT pyrite	POS	AT	3
10660 /10660	DEF	AT transported outer shelf facies	POS	AT	3
10820 /10820	DEF	AT faunal change (no faunal increase)	DEF	AT	5
10850 /10850	DEF	AT local marker foram increase	DEF	AT	5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 943 Date of Summary: 05-APR-2004 First Sample Examined: 9700 Source of Paleo: OPERATOR Lease Number: G17575 **Borehole MD:** 11700 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11700 **API Well Number:** 608054002600 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 9700 - 11700 Water Depth: 7962 Public Info Code: Y 31-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	<u>Pale</u>	o Top Description			<u>Ecozone</u>
10910 /10909	DEF AT local	marker planktic foram increase	DEF	AT	5
11030 /11029	POS AT Low	er Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	5
11089 /11088	DEF AT trans	sported outer shelf facies	POS	AT	3
11090 /11089	POS AT Low	er Oligocene (Rupelian) Cibicides pippeni	POS	AT	3
11240 /11239	DEF AT faun	al change (no faunal increase)	DEF	AT	5
11270 /11269	DEF AT faun	al change (no faunal increase)	POS	AT	5
11300 /11299	DEF AT trans	sported outer shelf facies	POS	AT	3
11360 /11359	DEF AT silts	tone	POS	AT	5
11700 /11699	DEF AT last	sample examined	POS	ΑT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 17-NOV-2003 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
13080 /13080	DEF AT first sample examined	DEF AT
13081 /13081	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania Iacunosa "A"	DEF AT
13110 /13110	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13140 /13140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13170 /13170	DEF AT local marker floral decrease	DEF AT
13200 /13200	DEF AT local marker floral increase	DEF AT
13230 /13230	DEF AT local marker floral decrease	DEF AT
13290 /13290	DEF AT local marker floral increase	DEF AT
13350 /13350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
13590 /13590	DEF AT local marker floral increase	DEF AT
13620 /13620	DEF AT floral flood	DEF AT
13680 /13680	DEF AT floral flood	DEF AT
13740 /13740	DEF AT local marker floral decrease	DEF AT
13830 /13830	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13950 /13950	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14040 /14040	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14130 /14130	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14310 /14310	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14340 /14340	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14400 /14400	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14460 /14460	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14550 /14550	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 17-NOV-2003 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 13080 - 22697 Water Depth: 10011

Public Info Code: Y 13-OCT-2006 Ecozone Eq MMS:

MD/TVD		Paleo Top Description		Ecozone
14580 /14580	DEF	AT floral flood	DEF	AT
14640 /14640	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
14700 /14700	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
14820 /14820	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
14940 /14940	DEF	AT local marker floral decrease	DEF	AT
14970 /14970	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
15030 /15030	DEF	AT local marker floral increase	DEF	AT
15060 /15060	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
15090 /15090	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
15120 /15120	DEF	IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
15150 /15150	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
15180 /15180	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
15240 /15240	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
15330 /15330	DEF	AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	AT
15450 /15450	DEF	AT local marker floral decrease	DEF	AT
15480 /15480	DEF	AT floral flood	DEF	AT
15630 /15630	DEF	AT local marker floral increase	DEF	AT
15900 /15900	DEF	AT local marker floral decrease	DEF	AT
16110 /16109	DEF	AT local marker floral increase	DEF	AT
16410 /16409	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT
16560 /16559	POS	AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF	AT
16590 /16589	DEF	AT local marker floral decrease	DEF	AT
16680 /16679	DEF	IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
18000 /17999	DEF	AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF	AT

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PAGE:

Paleo ID:

DEF AT

DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 13-OCT-2006

Area Block: AC 951 First Sample Examined: 13080 Date of Summary: 17-NOV-2003 Source of Paleo: OPERATOR Lease Number: G20885 **Borehole MD:** 22695 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 22694 API Well Number: 608054002400 **Drilling Operator:** CHEVRON USA INC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 13080 - 22697 Water Depth: 10011

Ecozone Eq MMS:

IN Upper Paleocene (Thanetian) Chiasmolithus bidens

AT local marker floral decrease

MD/TVD Paleo Top Description **Ecozone** AT Upper Eocene (Priabonian) Discoaster barbadiensis DEF AT 18060 /18059 18120 /18119 DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum DEF AT DEF AT local marker floral decrease DEF ΑT 18150 /18149 DEF DEF AT 18210 /18209 AT local marker floral increase 18360 /18359 DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus DEF AT DEF 18540 /18539 AT Middle Eocene (Bartonian) Pemma papillatum ΑT 18660 /18659 DEF AT local marker floral decrease DEF AT 18810 /18809 DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis DEF AT DEF AT local marker floral decrease DEF 18930 /18929 ΑT AT Middle Eocene (Lutetian) Sphenolithus spiniger 19050 /19049 POS DEF AT AT Middle Eocene (Bartonian) Chiasmolithus solitus DEF AT 19140 /19139 DEF 19170 /19169 AT Middle Eocene (Lutetian) Discoaster sublodoensis DEF ΑT 19260 /19259 DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata DEF AT 19290 /19289 POS AT Lower Eocene (Ypresian) Toweius crassus DEF AT 19320 /19319 DEF AT local marker floral decrease DEF AT 19440 /19439 DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis DEF AT DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus DEF AT 19470 /19469 19590 /19589 DEF AT local marker floral decrease DEF AT DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus DEF AT 19680 /19679 19740 /19739 DEF AT Upper Paleocene (Thanetian) Toweius eminens DEF AT DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens DEF AT 19741 /19740 DEF AT 19770 /19769 DEF AT local marker floral decrease

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DEF

DEF

19800 /19799

19860 /19859

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: 13080 Area Block: AC 951 Date of Summary: 17-NOV-2003 Source of Paleo: OPERATOR Lease Number: G20885 **Borehole MD:** 22695 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 13080 - 22697 Water Depth: 10011

Public Info Code: Y 13-OCT-2006 Ecozone Eq MMS:

MD/TVD		Paleo Top Description		Ecozone
20280 /20279	DEF	AT local marker floral increase	DEF	AT
20430 /20429	DEF	AT local marker floral increase	DEF	AT
20490 /20489	DEF	AT local marker floral decrease	DEF	AT
20820 /20819	POS	AT local marker floral increase	DEF	AT
20850 /20849	DEF	AT local marker floral decrease	DEF	AT
21540 /21539	DEF	AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	AT
21570 /21569	DEF	AT local marker floral decrease	DEF	AT
21630 /21629	POS	AT local marker floral increase	DEF	AT
21690 /21689	DEF	AT local marker floral decrease	DEF	AT
22080 /22079	POS	AT local marker floral increase	DEF	AT
22100 /22099	DEF	AT local marker floral decrease	DEF	AT
22160 /22159	DEF	AT local marker floral increase	DEF	AT
22190 /22189	DEF	AT local marker floral decrease	DEF	AT
22697 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-JAN-2004 Area Block: AC 951 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 **Sample Range:** 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
13080 /13080	DEF	AT first sample examined	DEF	AT	5
13081 /13081	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
13110 /13110	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
13290 /13290	DEF	AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF	AT	5
13350 /13350	DEF	AT local marker foram decrease	DEF	AT	5
13410 /13410	DEF	AT local marker planktic foram increase	DEF	AT	5
13470 /13470	DEF	AT local marker foram decrease	DEF	AT	5
13590 /13590	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
13650 /13650	DEF	AT	DEF	AT	5
13740 /13740	DEF	AT local marker foram decrease	DEF	AT	5
13830 /13830	DEF	AT foram flood	DEF	IN	5
13860 /13860	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13890 /13890	DEF	AT pyrite	DEF	IN	5
13920 /13920	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
14070 /14070	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
14130 /14130	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
14160 /14160	DEF	AT	DEF	AT	5
14190 /14190	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
14280 /14280	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
14340 /14340	DEF	AT local marker planktic foram increase	DEF	AT	5
14370 /14370	DEF	AT local marker foram decrease	DEF	AT	5
14400 /14400	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 01-JAN-2004 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Paleo ID: Ecozone Eq MMS: Y 001

MID/ IVD		Paleo Top Description		브	cozone
14460 /14460	DEF	AT pyrite	DEF	AT	5
14490 /14490	DEF	AT local marker foram decrease	DEF	AT	5
14549 /14549	DEF	AT pyrite	DEF	AT	5
14550 /14550	DEF	AT local marker foram decrease	DEF	AT	5
14640 /14640	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
14670 /14670	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
14700 /14700	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
14730 /14730	DEF	AT pyrite	DEF	AT	5
14760 /14760	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
14790 /14790	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
14820 /14820	DEF	AT local marker foram decrease	DEF	AT	5
14850 /14850	DEF	AT pyrite	DEF	AT	5
14970 /14970	DEF	IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
15030 /15030	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	5
15090 /15090	DEF	AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF	AT	5
15120 /15120	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	5
15150 /15150	DEF	IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	5
15300 /15300	POS	AT reworked material	DEF	AT	5
15389 /15389	POS	AT reworked material	DEF	AT	5
15390 /15390	POS	AT Lower Oligocene (Rupelian) Nonion struma	DEF	AT	5
15540 /15540	DEF	AT pyrite	DEF	AT	5
15960 /15960	DEF	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	5
16050 /16049	DEF	AT local marker foram decrease	DEF	AT	5
16110 /16109	POS	AT local marker foram increase	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 01-JAN-2004 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/IVD		Paleo Top Description		ECC	ozone
16140 /16139	DEF	AT local marker foram decrease	DEF	AT	5
16170 /16169	DEF	AT local marker foram increase	DEF	AT	5
16530 /16529	DEF	AT reworked material	DEF	AT	5
16560 /16559	DEF	IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	5
16660 /16659	DEF	AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	AT	5
16710 /16709	DEF	AT local marker foram increase	DEF	AT	5
16890 /16889	DEF	AT local marker foram increase	DEF	AT	5
17010 /17009	DEF	AT Upper Eocene (Priabonian) Bulimina jacksonensis	DEF	AT	5
17040 /17039	DEF	AT	DEF	AT	4
17190 /17189	POS	AT local marker planktic foram increase	DEF	AT	4
17370 /17369	DEF	AT local marker foram decrease	DEF	AT	4
18180 /18179	DEF	AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF	AT	4
18240 /18239	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	AT	4
18299 /18298	DEF	AT foram flood	DEF	AT	5
18300 /18299	DEF	IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	AT	5
18359 /18358	DEF	AT radiolarians	DEF	AT	5
18360 /18359	DEF	AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF	AT	5
18390 /18389	DEF	AT local marker foram decrease	DEF	AT	5
18450 /18449	DEF	AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF	AT	5
18540 /18539	DEF	AT local marker foram increase	DEF	AT	5
18600 /18599	DEF	AT local marker foram decrease	DEF	AT	5
18690 /18689	DEF	AT pyrite	DEF	AT	4
18720 /18719	DEF	AT limestone	DEF	AT	4
18840 /18839	DEF	AT pyrite	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 01-JAN-2004 First Sample Examined: 13080 Lease Number: G20885 Source of Paleo: OPERATOR **Borehole MD:** 22695 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/IVD		Paleo Top Description		ECO	zone
18870 /18869	POS	AT Arenaceous fauna (local marker)	DEF	AT	4
18930 /18929	DEF	AT pyrite	DEF	AT	4
19138 /19137	DEF	AT pyrite	DEF	AT	4
19139 /19138	DEF	AT limestone	DEF	AT	4
19140 /19139	DEF	AT local marker planktic foram increase	DEF	AT	4
19169 /19168	DEF	AT foram flood	DEF	AT	5
19170 /19169	DEF	AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF	AT	5
19230 /19229	DEF	AT radiolarians	DEF	AT	5
19290 /19289	DEF	AT pyrite	DEF	AT	5
19320 /19319	DEF	AT local marker foram decrease	DEF	AT	5
19470 /19469	DEF	AT local marker foram increase	DEF	AT	5
19500 /19499	DEF	AT local marker foram decrease	DEF	AT	5
19680 /19679	DEF	AT	DEF	AT	4
19800 /19799	DEF	AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF	AT	4
19860 /19859	DEF	AT pyrite	DEF	AT	4
20460 /20459	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
20520 /20519	DEF	AT pyrite	DEF	AT	4
21029 /21028	DEF	AT limestone	DEF	AT	4
21030 /21029	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
21059 /21058	DEF	AT pyrite	DEF	AT	4
21060 /21059	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
21090 /21089	DEF	AT siltstone	DEF	AT	4
21120 /21119	DEF	AT local marker foram decrease	DEF	AT	4
21540 /21539	DEF	AT pyrite	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AC 951 Date of Summary: 01-JAN-2004 First Sample Examined: 13080 Source of Paleo: OPERATOR Lease Number: G20885 **Borehole MD:** 22695 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 001 **Borehole TVD:** 22694 **API Well Number:** 608054002400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 **Sample Range:** 13080 - 22697 Water Depth: 10011 Public Info Code: Y 13-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description		Eco	ozone
21660 /21659	POS AT Arenaceous fauna (local marker)	DEF	AT	4
21690 /21689	DEF AT pyrite	DEF	AT	4
22480 /22479 I	DEF AT pyrite	DEF	AT	4
22599 /22598 I	DEF AT Bathysiphon fauna	DEF	AT	4
22600 /22599	POS IN Upper Paleocene (Thanetian) Morozovella velas coensis	DEF	AT	4
22640 /22639 I	DEF AT Arenaceous fauna (local marker)	DEF	AT	4
22697 /	DEF AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-NOV-2001 Area Block: AT 18 First Sample Examined: 6870 Lease Number: G16849 Source of Paleo: OPERATOR **Borehole MD:** 28665 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 28651 **API Well Number:** 608184002400 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 1 of 1 **Sample Range:** 6870 - 28560 Water Depth: 4266 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, 7560=Middle Pleistocene Gephyrocapsa margerelli, 23160=Middle Miocene Discoaster lidzi

MD/TVD		Paleo Top Description		Ecozone
6870 / 6870	DEF	AT first sample examined	DEF	AT
6871 / 6871	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
7290 / 7290	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
7350 / 7350	DEF	AT local marker floral increase	DEF	AT
7560 / 7560	DEF	AT local marker floral increase	DEF	AT
8340 / 8339	DEF	IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
8400 / 8399	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
8460 / 8459	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
8730 / 8729	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
9180 / 9179	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
9330 / 9329	DEF	AT reworked material	DEF	AT
9600 / 9599	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
10050 /10049	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10260 /10259	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
10290 /10289	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
10620 /10619	DEF	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
10650 /10649	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
10680 /10679	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
10710 /10709	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
10800 /10799	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF	AT
10860 /10859	DEF	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
10861 /10860	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 18 Date of Summary: 01-NOV-2001 First Sample Examined: 6870 Lease Number: G16849 Source of Paleo: OPERATOR **Borehole MD:** 28665 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 28651 **API Well Number:** 608184002400 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 1 of 1 **Sample Range:** 6870 - 28560 Water Depth: 4266 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

		Paleo Top Description		Ecozone
10980 /10979	DEF	AT gouge	DEF	AT
10992 /10991	DEF	AT salt	DEF	AT
19829 /19819	DEF	AT base of salt	DEF	AT
19830 /19820	DEF	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
19980 /19969	DEF	AT local marker floral increase	DEF	AT
20310 /20299	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
20970 /20958	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT
21390 /21378	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
21600 /21588	DEF	AT reworked material	DEF	AT
21690 /21678	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
21750 /21738	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
21810 /21798	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
21900 /21888	DEF	AT reworked material	DEF	AT
22590 /22578	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
23160 /23148	DEF	AT local marker floral increase	DEF	AT
23280 /23268	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
23940 /23928	DEF	AT local marker floral increase	DEF	AT
24750 /24738	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
25350 /25337	DEF	AT reworked material	DEF	AT
25740 /25727	DEF	AT local marker floral increase	DEF	AT
27480 /27466	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
27540 /27526	DEF	AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
28560 /28546	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 83 Date of Summary: 08-JUL-2003 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G18495 **Borehole MD:** 14000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14000 **API Well Number:** 608184004300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 91 Paleo Report Num: 1 of 2 **Sample Range:** 11000 - 14000 Water Depth: 8056 Public Info Code: Y 20-APR-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
11000 /11000	DEF	AT first sample examined	DEF	AT	5
11060 /11060	POS	IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
11420 /11420	DEF	AT	DEF	IN	5
11750 /11750	DEF	AT	DEF	AT	5
12170 /12170	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
12200 /12200	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
12439 /12439	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
12440 /12440	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5
12590 /12589	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN	5
12708 /12707	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
12709 /12708	DEF	AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	IN	5
12710 /12709	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
12739 /12738	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	IN	5
12740 /12739	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
12830 /12829	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
12859 /12858	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	IN	5
12860 /12859	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	5
12889 /12888	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
12890 /12889	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	IN	5
12920 /12919	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	5
13040 /13039	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	5
13400 /13399	DEF	AT local marker foram decrease	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 83 Date of Summary: 08-JUL-2003 First Sample Examined: 11000 Lease Number: G18495 Source of Paleo: OPERATOR **Borehole MD:** 14000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14000 **API Well Number:** 608184004300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 91 Sample Range: 11000 - 14000 Paleo Report Num: 1 of 2 Water Depth: 8056 Public Info Code: Y 20-APR-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVDPaleo Top DescriptionEcozone13760 /13759DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)DEF AT 514000 /13999DEF AT last sample examinedDEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 83 Date of Summary: 08-JUL-2003 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G18495 **Borehole MD:** 14000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14000 **API Well Number:** 608184004300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 91 Paleo Report Num: 2 of 2 **Sample Range:** 11000 - 14000 Water Depth: 8056 Public Info Code: Y 20-APR-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
11000 /11000	DEF	AT first sample examined	DEF	AT
11210 /11210	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
11450 /11450	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
12470 /12470	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
12590 /12589	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
12650 /12649	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
12710 /12709	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
12740 /12739	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
12830 /12829	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
12920 /12919	POS	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
13010 /13009	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
13040 /13039	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
13070 /13069	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13130 /13129	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13370 /13369	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
13760 /13759	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
14000 /13999	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 24-MAY-2006 Area Block: AT 140 First Sample Examined: 5850 Source of Paleo: OPERATOR Lease Number: G16865 **Borehole MD:** 24803 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 24788 **API Well Number:** 608184005900 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 3739 Paleo Report Num: 1 of 1 **Sample Range:** 5850 - 24690 Water Depth: Public Info Code: Y 17-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Claymore Prospect, consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		ļ	<u>Ecozone</u>
5850 / 5850	DEF	AT first sample examined	DEF	AT	5
5940 / 5940	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
6630 / 6630	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT	5
6720 / 6720	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	5
6780 / 6780	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	IN	5
6810 / 6810	DEF	AT	DEF	ΑT	5
7078 / 7078	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	ΑT	5
7079 / 7079	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	ΑT	5
7080 / 7080	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	ΑT	5
7620 / 7620	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
7650 / 7650	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
7770 / 7770	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
7800 / 7800	DEF	AT reworked material	DEF	AT	5
7950 / 7950	DEF	AT salt	DEF	ΑT	5
12349 /12348	DEF	AT base of salt	DEF	ΑT	5
12350 /12349	DEF	AT out-of-place section	DEF	ΑT	5
12600 /12599	POS	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	ΑT	5
13259 /13258	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	ΑT	5
13260 /13259	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	5
14410 /14409	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	ΑT	5
14470 /14469	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
17680 /17678	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 140 Date of Summary: 24-MAY-2006 First Sample Examined: 5850 Lease Number: G16865 Source of Paleo: OPERATOR **Borehole MD:** 24803 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 24788 **API Well Number:** 608184005900 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 5850 - 24690 Water Depth: 3739 Public Info Code: Y 17-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		<u>E</u>	cozone
18069 /18067	DEF	IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT	5
18070 /18068	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
19060 /19057	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	5
20380 /20374	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF	AT	5
20650 /20642	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5
20920 /20909	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	5
22350 /22335	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT	5
24690 /24675	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 140 Date of Summary: 30-JAN-2007 First Sample Examined: 13650 Source of Paleo: OPERATOR Lease Number: G16865 **Borehole MD:** 19610 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17667 **API Well Number:** 608184005903 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 13650 - 19610 Water Depth: 3739 Public Info Code: Y 17-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Claymore Prospect, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u>F</u>	Ecozone
13650 /12748	DEF	AT first sample examined	DEF	AT	5
13651 /12749	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	5
13652 /12749	POS	IN reworked material	DEF	AT	5
14190 /13141	POS	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
14580 /13428	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
14610 /13450	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT	5
15660 /14226	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
15690 /14248	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT	5
15719 /14270	POS	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	5
15720 /14270	POS	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
17100 /15357	DEF	AT local marker floral increase	DEF	AT	5
18540 /16671	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	5
18660 /16784	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
18750 /16868	POS	IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
18990 /17092	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
19020 /17120	DEF	AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF	AT	5
19320 /17399	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	5
19610 /17667	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 140 Date of Summary: 28-SEP-2007 First Sample Examined: 12480 Lease Number: G16865 Source of Paleo: OPERATOR **Borehole MD:** 15600 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15290 **API Well Number:** 608184005904 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 12480 - 25290 Water Depth: 3739 Public Info Code: Y 17-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD/TVD	Paleo Top Description	Ecozon	ıe
12480 /12347	DEF AT first sample examined	DEF AT 5	
13049 /12887	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5	
13050 /12888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5	
14550 /14303	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5	
15600 /15290	DEF AT last sample examined	DEF AT 5	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 08-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 3 Sample Range: 7300 - 12300 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description		Ecozone
7300 / 7300 DEF	AT first sample examined	DEF	AT
7301 / 7301 DEF	IN Upper Pleistocene	DEF	AT
7420 / 7420 DEF	AT floral flood	DEF	AT
7570 / 7570 DEF	AT reworked material	DEF	AT
8290 / 8289 DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
8380 / 8379 DEF	AT floral flood	DEF	AT
8470 / 8469 DEF	AT reworked material	DEF	AT
9310 / 9309 DEF	AT floral flood	DEF	AT
9580 / 9579 DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
9640 / 9639 DEF	AT salt	DEF	AT
9670 / 9669 DEF	AT floral flood	DEF	AT
9760 / 9759 DEF	IN salt	DEF	AT
9880 / 9879 DEF	AT local marker floral increase	DEF	AT
9910 / 9909 DEF	IN salt	DEF	AT
9970 / 9969 DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Lease Number: G16870 Source of Paleo: OPERATOR **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: 11350=Middle Eocene (Bartonian) Globigerina higginsi LAD, 20760=probable Lower Pliocene normal section

MD/TVD		Paleo Top Description		Ī	Ecozone
7300 / 7300	DEF	AT first sample examined	DEF	AT	4
7301 / 7301	DEF	IN Upper Pleistocene	DEF	AT	4
7420 / 7420	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
7450 / 7450	DEF	AT local marker foram decrease	DEF	AT	5
7510 / 7510	DEF	AT foram flood	DEF	AT	5
7540 / 7540	DEF	AT local marker foram decrease	DEF	IN	4
7630 / 7630	DEF	AT local marker planktic foram increase	DEF	IN	4
7660 / 7660	DEF	AT local marker foram decrease	DEF	IN	4
7720 / 7720	DEF	AT local marker foram increase	DEF	IN	4
8260 / 8259	DEF	AT Illinoian fauna (local marker)	DEF	IN	4
8470 / 8469	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN	4
9040 / 9039	DEF	AT local marker foram increase	DEF	IN	4
9070 / 9069	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	4
9130 / 9129	DEF	AT local marker foram increase	DEF	IN	4
9220 / 9219	DEF	AT local marker foram decrease	DEF	IN	4
9250 / 9249	DEF	AT local marker planktic foram increase	DEF	IN	4
9280 / 9279	DEF	AT foram flood	DEF	IN	4
9370 / 9369	DEF	AT local marker foram decrease	DEF	IN	4
9550 / 9549	DEF	AT local marker foram increase	DEF	IN	4
9580 / 9579	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
9610 / 9609	DEF	AT faunal change (no faunal increase)	DEF	IN	4
9640 / 9639	DEF	AT salt	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD_		Paleo Top Description		Ecoz	<u>zone</u>
9700 / 9699	DEF	AT faunal change (no faunal increase)	DEF	AT	1
11109 /11108	DEF	AT unconformity	DEF	AT	4
11110 /11109	DEF	AT Lower (Early) Paleocene	DEF	AT	4
11230 /11229	DEF	AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF	AT	4
11260 /11259	DEF	AT faunal change (no faunal increase)	DEF	IN	4
11289 /11288	DEF	AT radiolarians	DEF	IN	4
11290 /11289	DEF	AT Lower Eocene (Ypresian) Morozovella rex/subbotinae	DEF	IN	4
11350 /11349	DEF	AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF	IN	4
11380 /11379	POS	AT salt	DEF	AT	1
18884 /18877	DEF	AT base of salt	DEF	AT	
18885 /18878	DEF	AT Lower Cretaceous Albian Stage	DEF	AT	
18990 /18983	DEF	AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF	AT	
19020 /19013	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19050 /19043	DEF	AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF	AT	4
19080 /19073	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
19140 /19133	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	4
19170 /19163	DEF	AT out-of-place section	DEF	AT	4
19230 /19223	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
19260 /19253	DEF	AT out-of-place section	DEF	AT	4
19320 /19313	DEF	AT limestone	DEF	AT	4
19440 /19432	DEF	AT local marker foram decrease	DEF	AT	4
19590 /19582	DEF	AT faunal change (no faunal increase)	DEF	IN	4
19710 /19702	DEF	AT foram flood	DEF	IN	4
19739 /19731	DEF	AT radiolarians	DEF	IN	4

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Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TV	<u>/D</u>	Paleo Top Description		Ec	ozone
19740 /19	732 DEF	AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF	IN	4
19800 /19	792 DEF	AT local marker foram decrease	DEF	AT	4
19890 /19	882 DEF	AT local marker foram increase	DEF	AT	4
20100 /20	091 DEF	AT faunal change (no faunal increase)	DEF	IN	3
20130 /20	121 DEF	AT local marker foram decrease	DEF	IN	3
20760 /20	751 POS	IN Pliocene	DEF	IN	3
21180 /21	170 DEF	AT pyrite	DEF	IN	3
21210 /21	200 DEF	AT reworked material	DEF	IN	3
21270 /21	260 DEF	AT local marker foram decrease	DEF	IN	3
21620 /21	610 DEF	AT local marker foram increase	DEF	IN	3
21650 /21	640 DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	IN	3
21890 /21	880 DEF	AT local marker foram decrease	DEF	AT	4
22010 /22	000 DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	4
22040 /22	030 DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
22130 /22	120 POS	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
22250 /22	240 DEF	AT local white Arenacous fauna	DEF	AT	4
22340 /22	329 DEF	AT local marker foram decrease	DEF	AT	4
22670 /22	659 DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
22730 /22	719 DEF	AT local marker foram decrease	DEF	AT	4
23000 /22	989 DEF	AT local marker planktic foram increase	DEF	AT	4
23210 /23	199 DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
23360 /23	349 DEF	AT local marker planktic foram increase	DEF	AT	4
23420 /23	409 DEF	AT local marker foram decrease	DEF	AT	4
23570 /23	559 DEF	AT local white Arenacous fauna	DEF	AT	4

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MD/TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/ IVD		Paleo Top Description		EC	ozone
23630 /23619	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
23660 /23649	DEF	AT local marker planktic foram increase	DEF	AT	4
23690 /23679	DEF	AT local marker foram decrease	DEF	AT	4
23780 /23769	POS	AT local marker planktic foram increase	DEF	AT	4
23840 /23829	DEF	IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT	4
23930 /23919	DEF	AT local marker foram increase	DEF	AT	4
23990 /23979	DEF	AT local marker foram decrease	DEF	AT	4
24080 /24069	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24170 /24159	DEF	AT Bathysiphon fauna	DEF	AT	4
24200 /24189	DEF	AT pyrite	DEF	AT	4
24230 /24219	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24260 /24249	DEF	AT local marker foram decrease	DEF	AT	4
24590 /24579	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24650 /24639	DEF	AT Bathysiphon fauna	DEF	AT	4
24950 /24939	DEF	AT local marker foram increase	DEF	IN	4
25070 /25059	DEF	AT local marker foram decrease	DEF	IN	4
25100 /25089	DEF	AT	DEF	AT	4
25249 /25238	DEF	AT pyrite	DEF	AT	4
25250 /25239	DEF	AT local white Arenacous fauna	DEF	AT	4
25910 /25899	DEF	AT pyrite	DEF	IN	4
26060 /26049	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
26090 /26079	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	4
26120 /26109	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
26150 /26139	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ec	ozone
26210 /2619	9 DEF	AT local marker foram decrease	DEF	AT	4
26330 /2631	8 DEF	IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	4
26450 /2643	8 DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
26599 /2658	7 DEF	AT pyrite	DEF	IN	4
26600 /2658	8 DEF	AT local marker foram increase	DEF	IN	4
26630 /2661	8 DEF	AT Eggerella sp. (local marker)	DEF	IN	4
26720 /2670	8 POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	4
26840 /2682	8 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	4
26870 /2685	8 DEF	AT pyrite	DEF	IN	4
27020 /2700	8 DEF	AT	DEF	AT	4
27050 /2703	8 DEF	AT Bathysiphon fauna	DEF	AT	4
27230 /2721	8 DEF	AT local marker foram increase	DEF	AT	4
27320 /2730	8 DEF	AT local marker foram decrease	DEF	AT	4
27560 /2754	8 DEF	AT pyrite	DEF	AT	4
27740 /2772	8 DEF	AT local marker foram decrease	DEF	AT	4
27800 /2778	8 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	4
27890 /2787	8 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	4
27980 /2796	8 DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4
28460 /2844	7 DEF	AT local marker foram increase	DEF	IN	4
28520 /2850	6 DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4
28580 /2856	6 DEF	AT	DEF	IN	4
28640 /2862	6 POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	4
28700 /2868	6 DEF	AT local marker foram decrease	DEF	IN	4
28910 /2889	5 DEF	AT local marker benthic foram increase	DEF	IN	4

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 09-SEP-2002 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G16870 **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 3 **Sample Range:** 7300 - 30010 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description			Ecozone
29068 /29053	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	4
29240 /29224	DEF	AT local marker foram decrease	DEF	IN	4
29450 /29434	DEF	AT local marker foram increase	DEF	IN	4
29480 /29463	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
29510 /29493	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	IN	4
29600 /29583	DEF	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	IN	4
29660 /29643	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
29720 /29702	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	IN	4
29840 /29822	DEF	AT local marker foram increase	DEF	IN	4
29870 /29852	DEF	AT local marker foram decrease	DEF	IN	4
30010 /29991	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 14-OCT-2002 First Sample Examined: 18885 Lease Number: G16870 Source of Paleo: OPERATOR **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92 Sample Range: 18885 - 30010 Paleo Report Num: 3 of 3 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, mixed or jumbled nannofossil section from 19360 to 20760 of various Cenozoic-Mesozoic ages

MD/TVD		Paleo Top Description		Ecozone
18885 /18878	DEF	AT first sample examined	DEF	AT
18886 /18879	DEF	IN Lower Cretaceous Aptian Stage	DEF	AT
18887 /18880	DEF	AT limestone	DEF	AT
18920 /18913	DEF	AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF	AT
19020 /19013	DEF	AT Lower Paleocene Danian Stage	DEF	AT
19040 /19033	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
19050 /19043	DEF	AT Middle Eocene	DEF	AT
19080 /19073	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
19110 /19103	DEF	AT out-of-place section	DEF	AT
19160 /19153	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
19170 /19163	DEF	AT out-of-place section	DEF	AT
19280 /19273	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
19290 /19283	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
19360 /19352	DEF	AT out-of-place section	DEF	AT
19590 /19582	DEF	AT local marker floral increase	DEF	AT
19920 /19911	DEF	AT floral flood	DEF	AT
20760 /20751	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
21120 /21110	DEF	AT reworked material	DEF	AT
21650 /21640	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
22010 /22000	DEF	AT local marker floral increase	DEF	AT
22190 /22180	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
22640 /22629	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT

MD/TVD

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Ecozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 14-OCT-2002 First Sample Examined: 18885 Lease Number: G16870 Source of Paleo: OPERATOR **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992 **API Well Number:** 608184003100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Sample Range: 18885 - 30010 Paleo Report Num: 3 of 3 Water Depth: 4062 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** 003

		raied top bescription		ECOZOTIE
22670 /22659	DEF	AT local marker floral increase	DEF	AT
22970 /22959	DEF	AT floral flood	DEF	AT
23330 /23319	DEF	AT local marker floral increase	DEF	AT
23630 /23619	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
23840 /23829	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
23930 /23919	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
24320 /24309	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
24500 /24489	DEF	AT local marker floral increase	DEF	AT
24950 /24939	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
26330 /26318	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
26990 /26978	DEF	AT local marker floral increase	DEF	AT
27080 /27068	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
27620 /27608	DEF	AT local marker floral increase	DEF	AT
27680 /27668	DEF	AT local marker floral increase	DEF	AT
27800 /27788	DEF	AT local marker floral increase	DEF	AT
27830 /27818	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
27950 /27938	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
28010 /27997	DEF	AT floral flood	DEF	AT
28490 /28476	DEF	AT local marker floral increase	DEF	AT
28610 /28596	DEF	AT local marker floral increase	DEF	AT
28880 /28865	DEF	AT local marker floral increase	DEF	AT
29030 /29015	DEF	AT local marker floral increase	DEF	AT
29060 /29045	DEF	AT floral flood	DEF	AT
29510 /29493	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT

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Paleo Top Description

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 187 Date of Summary: 14-OCT-2002 First Sample Examined:

Lease Number: G16870 Source of Paleo: OPERATOR **Borehole MD:** 30010 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29992

API Well Number: 608184003100 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92

Sample Range: 18885 - 30010 Paleo Report Num: 3 of 3 Water Depth: 4062

Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:**

MD/TVD **Paleo Top Description Ecozone**

29840 /29822 DEF AT Middle Miocene (Serravallian) Discoaster petaliformis DEF AT 30010 /29991 DEF AT last sample examined DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 01-NOV-2001 First Sample Examined: 7700 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 8465 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8465 **API Well Number:** 608184002500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 1 of 4 **Sample Range:** 7700 - 8270 Water Depth: 4585 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 004

Remark: Sawtooth Prospect

MD/TVD	Paleo Top Description		Ī	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF	IN	4
7701 / 7699	DEF IN Upper (Late) Miocene	DEF	IN	4
7760 / 7758	DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	4
7880 / 7878	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	
7970 / 7968	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	
8000 / 7998	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	
8090 / 8088	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	
8269 / 8267	DEF AT salt	DEF	AT	
8270 / 8268	DEF AT last sample examined	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 7700 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 8465 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 8465 **API Well Number:** 608184002500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 2 of 4 **Sample Range:** 7700 - 8300 Water Depth: 4585 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report

MD/TVD	<u> </u>	Paleo Top Description		E	cozone
7700 / 769	DEF	AT first sample examined	DEF	AT	4
7701 / 769	99 DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
7760 / 775	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	4
7761 / 775	59 DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
7820 / 78	18 DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
7910 / 790	DEF	AT	DEF	IN	4
7940 / 793	B8 DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	IN	4
7970 / 796	S8 DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	4
8030 / 802	28 DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
8090 / 808	B8 DEF	AT local marker benthic foram increase	DEF	IN	4
8180 / 817	78 DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	IN	4
8240 / 823	B8 DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	IN	4
8270 / 826	S8 DEF	AT salt	DEF	IN	4
8300 / 829	98 DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 7700 Lease Number: G16874 Source of Paleo: OPERATOR **Borehole MD:** 8465 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 8465 **API Well Number:** 608184002500 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 94 Paleo Report Num: 3 of 4 **Sample Range:** 7700 - 8270 Water Depth: 4585 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Sawtooth Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
7700 / 7698	DEF AT first sample examined	DEF AT
7701 / 7699	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7760 / 7758	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7820 / 7818	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7940 / 7938	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7970 / 7968	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8240 / 8238	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8269 / 8267	DEF AT salt	DEF AT
8270 / 8268	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 7700 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 8465 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 8465 **API Well Number:** 608184002500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 4 of 4 **Sample Range:** 7700 - 8465 Water Depth: 4585 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Sawtooth Prospect, paleo done by Bruce Robertson

_	MD/TVD		Paleo Top Description		Ecozone
	7700 / 7698	DEF	AT first sample examined	DEF	AT
	7701 / 7699	DEF	IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT
	7760 / 7758	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
	8030 / 8028	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT
	8120 / 8118	DEF	AT local marker benthic foram increase	DEF	AT
	8180 / 8178	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT
	8300 / 8298	DEF	IN salt	DEF	AT
	8465 / 8463	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 7830 Source of Paleo: OPERATOR 18770 Lease Number: G16874 **Borehole MD:** Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 18763 **API Well Number:** 608184002501 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 94 Paleo Report Num: 1 of 3 **Sample Range:** 7830 - 18760 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report, no determinate ages below the salt, may be Discoaster berggrenii A with much

reworking

MD/TVD		Paleo Top Description		Ecozone
7830 / 7828	DEF	AT first sample examined	DEF	AT
7831 / 7829	DEF	IN Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
7920 / 7918	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
7980 / 7978	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
8030 / 8028	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT
8180 / 8178	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT
8200 / 8198	DEF	AT salt	DEF	AT
8230 / 8228	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
17050 /17044	DEF	AT base of salt	DEF	AT
18760 /18753	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 194 Date of Summary: 04-FEB-2002 8600 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 18770 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 18763 **API Well Number:** 608184002501 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 2 of 3 **Sample Range:** 8600 - 18770 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Sawtooth Prospect, 16980=base of salt from E-log

MD/TVD		Paleo Top Description		Ecozone
8600 / 8598	DEF	AT first sample examined	DEF	AT
8601 / 8599	DEF	IN salt	DEF	AT
16980 /16974	DEF	AT base of salt	DEF	AT
17270 /17264	DEF	AT local marker foram decrease	DEF	AT
17450 /17443	DEF	AT local marker foram decrease	DEF	AT
17570 /17563	DEF	AT local marker foram increase	DEF	AT
17990 /17983	DEF	AT local marker foram increase	DEF	AT
18170 /18163	DEF	AT local marker foram increase	DEF	AT
18580 /18573	DEF	AT local marker foram increase	DEF	AT
18640 /18633	DEF	AT local marker foram decrease	DEF	AT
18760 /18753	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 7830 Source of Paleo: OPERATOR 18770 Lease Number: G16874 **Borehole MD:** Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 18763 **API Well Number:** 608184002501 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 94 Paleo Report Num: 3 of 3 **Sample Range:** 7830 - 18760 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see

report for details

MD/TVD		Paleo Top Description		Ecozone
7830 / 7828	DEF	AT first sample examined	DEF	AT
7831 / 7829	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
7920 / 7918	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
7980 / 7978	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
8200 / 8198	DEF	AT salt	DEF	AT
8230 / 8228	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
17050 /17044	DEF	AT base of salt	DEF	AT
18760 /18753	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 07-JAN-2002 First Sample Examined: 17070 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 22421 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 22405 **API Well Number:** 608184002502 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 94 Paleo Report Num: 1 of 4 Sample Range: 17070 - 22418 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 004

Remark: Sawtooth Prospect, original hole and bypass report, 21850=Middle Miocene Globoquadrina altispira coiling change

MD/TVD		Paleo Top Description		Eco	ozone
17070 /17064	DEF	AT first sample examined	DEF	IN	3
17100 /17094	DEF	AT out-of-place section	DEF	IN	3
17130 /17124	DEF	AT	DEF	AT	4
17250 /17244	DEF	AT local marker foram decrease	DEF	AT	4
17400 /17393	DEF	AT out-of-place section	DEF	AT	4
17730 /17723	DEF	AT	DEF	AT	3
17820 /17813	POS	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	3
17940 /17933	DEF	AT	DEF	IN	3
18550 /18541	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	IN	3
19240 /19228	DEF	AT	DEF	AT	4
19360 /19348	POS	AT Arenaceous fauna (local marker)	DEF	IN	4
19480 /19467	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	IN	4
19720 /19706	DEF	AT	DEF	AT	4
19930 /19916	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
20920 /20905	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
21040 /21025	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
21070 /21055	DEF	AT	DEF	IN	3
21400 /21385	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	3
21430 /21415	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
21730 /21715	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	4
21750 /21735	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
21810 /21795	DEF	AT	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: AT 194	Date of Summary: 07-JAN-2002	First Sample Examined:	17070
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD:	22421
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation:	94
Paleo Report Num: 1 of 4	Sample Range: 17070 - 22418	Water Depth:	4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID:	004

MD/TVD		Paleo Top Description		Ecozor	<u>1e</u>
21850 /21835	POS	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF II	N 4	Ļ
21999 /21984	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF II	N 4	Ļ
22000 /21985	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF II	N 4	Ļ
22030 /22015	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF II	۷ 4	ļ.
22120 /22105	DEF	IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF II	۷ 4	ŀ
22418 /22402	DEF	AT last sample examined	DEF II	N 4	ļ

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 08-JAN-2002 First Sample Examined: 18760 Lease Number: G16874 Source of Paleo: OPERATOR **Borehole MD:** 22421 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 22405 **API Well Number:** 608184002502 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 2 of 4 Sample Range: 18760 - 22418 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Sawtooth Prospect, paleo done by Bruce Robertson, 18820=selenite

MD/TVD		Paleo Top Description		Ecozone
18760 /18750	DEF	AT first sample examined	DEF	AT
18820 /18810	DEF	AT gypsum	DEF	AT
19360 /19348	DEF	IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT
19600 /19587	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
19630 /19616	DEF	AT reworked material	DEF	AT
19840 /19826	DEF	AT calcite	DEF	AT
19960 /19946	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT
20470 /20455	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
20590 /20575	DEF	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT
20770 /20755	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT
20920 /20905	DEF	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT
20980 /20965	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT
21280 /21265	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
21460 /21445	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT
21490 /21475	DEF	AT local marker foram increase	DEF	AT
21640 /21625	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT
21820 /21805	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT
21940 /21925	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT
21941 /21926	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
22090 /22075	DEF	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT
22119 /22104	DEF	AT limestone	DEF	AT
22120 /22105	DEF	AT local marker planktic foram increase	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 194 Date of Summary: 08-JAN-2002 18760 Source of Paleo: OPERATOR Lease Number: G16874 **Borehole MD:** 22421 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 22405 **API Well Number:** 608184002502 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 2 of 4 **Sample Range:** 18760 - 22418 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
22150 /22134	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
22240 /22224	POS IN Lower Oligocene (Rupelian) Discorbis "D"	DEF AT
22268 /22252	DEF AT local marker planktic foram increase	DEF AT
22269 /22253	POS AT reworked material	DEF AT
22270 /22254	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
22418 /22402	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 04-FEB-2002 Area Block: AT 194 First Sample Examined: 17520 Lease Number: G16874 Source of Paleo: OPERATOR **Borehole MD:** 22421 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 22405 **API Well Number:** 608184002502 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 94 Paleo Report Num: 3 of 4 Sample Range: 17520 - 22418 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report, 21820=Globoquadrina altispira coiling change, 22240=Globigerina gortanii

MD/TVD		Paleo Top Description		E	cozone
17520 /17513	DEF	AT first sample examined	DEF	AT	3
17530 /17523	DEF	AT out-of-place section	POS	AT	3
17940 /17933	DEF	AT faunal change (no faunal increase)	DEF	IN	3
18280 /18272	DEF	AT reworked material	POS	AT	3
18310 /18302	DEF	AT local marker floral increase	POS	AT	3
18550 /18541	DEF	AT reworked material	POS	AT	3
18551 /18542	POS	AT Upper Miocene (Tortonian) Minylitha convallis	POS	AT	3
18760 /18750	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN	3
18761 /18751	DEF	AT local marker floral increase	POS	IN	3
19240 /19228	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19360 /19348	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	IN	4
19420 /19407	DEF	IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN	4
19600 /19587	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
19720 /19706	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19810 /19796	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	4
19930 /19916	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
19960 /19946	DEF	IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT	4
20470 /20455	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
20500 /20485	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT	4
20590 /20575	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	4
20650 /20635	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	4
20920 /20905	DEF	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 17520 Lease Number: G16874 Source of Paleo: OPERATOR **Borehole MD:** 22421 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 22405 **API Well Number:** 608184002502 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 94 Paleo Report Num: 3 of 4 Sample Range: 17520 - 22418 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description		Ec	ozone
20980 /20965	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT	4
21070 /21055	DEF AT	DEF	IN	3
21100 /21085	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	IN	3
21279 /21264	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	IN	3
21280 /21265	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	3
21430 /21415	DEF AT	DEF	AT	4
21460 /21445	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	4
21640 /21625	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	4
21670 /21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	4
21700 /21685	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	4
21810 /21795	DEF AT	DEF	IN	3
21820 /21805	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF	IN	3
21850 /21835	DEF AT	DEF	IN	4
21940 /21925	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	4
21941 /21926	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	IN	4
22000 /21985	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	IN	4
22090 /22075	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	IN	4
22120 /22105	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	IN	4
22150 /22134	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	4
22240 /22224	DEF AT local marker planktic foram increase	DEF	IN	4
22270 /22254	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	IN	4
22418 /22402	DEF AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 194 Date of Summary: 04-FEB-2002 First Sample Examined: 17520 Lease Number: G16874 Source of Paleo: OPERATOR **Borehole MD:** 22421 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 22405 **API Well Number:** 608184002502 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 94 Paleo Report Num: 4 of 4 Sample Range: 17520 - 22390 Water Depth: 4562 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see

report for details

	MD/TVD_		Paleo Top Description		Ecozone
17	520 /17513	DEF	AT first sample examined	DEF	AT
18	760 /18750	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
19	420 /19407	DEF	IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
19	600 /19587	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
19	810 /19796	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
19	930 /19916	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
20	500 /20485	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
20	650 /20635	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
21	100 /21085	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
21	280 /21265	DEF	IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
21	670 /21655	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
21	699 /21684	DEF	IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
21	700 /21685	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
22	000 /21985	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
22	120 /22105	DEF	IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
22	270 /22254	DEF	IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	AT
22	389 /22373	POS	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
22	390 /22374	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-FEB-2005 First Sample Examined: 17870 Source of Paleo: OPERATOR 32627 Lease Number: G18537 **Borehole MD:** Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Vrede Prospect

MD/TVD		Paleo Top Description		Ec	ozone
17870 /17867	DEF	AT first sample examined	DEF	AT	3
17900 /17897	DEF	AT transported shelf fauna	POS	AT	3
18169 /18166	DEF	AT transported shelf fauna	DEF	AT	4
18170 /18167	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
18199 /18196	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
18200 /18197	POS	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4
18230 /18227	DEF	AT transported outer shelf facies	POS	IN	3
18260 /18257	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
18320 /18317	DEF	AT turbid water facies	DEF	IN	3
18350 /18347	DEF	AT local marker planktic foram increase	DEF	AT	4
18410 /18406	DEF	AT transported shelf fauna	DEF	AT	4
18590 /18586	POS	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	4
18680 /18676	DEF	AT transported shelf fauna	POS	AT	4
18830 /18826	DEF	AT turbid water facies	POS	AT	4
18859 /18855	DEF	AT turbid water facies	DEF	AT	4
18860 /18856	POS	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	4
18980 /18976	DEF	AT transported shelf fauna	DEF	AT	4
19100 /19095	DEF	AT	DEF	AT	5
19130 /19125	DEF	AT	DEF	AT	4
19220 /19215	DEF	AT transported shelf fauna	DEF	AT	4
19293 /19288	DEF	AT	DEF	IN	3
19400 /19395	DEF	AT	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-FEB-2005 First Sample Examined: 17870 Lease Number: G18537 Source of Paleo: OPERATOR **Borehole MD:** 32627 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/	TVD		Paleo Top Description		Ec	<u>ozone</u>
19460 /	19455 D)EF	AT	DEF	IN	3
19490 / <i>¹</i>	19484 D)EF	AT	DEF	AT	4
19550 /	19544 D)EF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	4
20000 /	19994 D)EF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
20090 /2	20083 P	OS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
20150 /2	20143 D)EF	AT	DEF	AT	4
20270 /2	20263 Po	OS	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	5
20300 /2	20293 D)EF	AT	DEF	AT	4
20330 /2	20323 D)EF	AT limestone	DEF	AT	4
20360 /2	20353 D)EF	AT local marker planktic foram increase	DEF	AT	4
20389 /2	20382 P	OS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
20390 /2	20383 D)EF	AT salt weld	DEF	AT	4
20420 /2	20413 D)EF	AT out-of-place section	DEF	AT	4
20510 /2	20502 D)EF	AT	DEF	AT	5
20540 /2	20532 D)EF	AT	DEF	AT	4
20568 /2	20560 D)EF	AT reworked material	DEF	AT	4
20569 /2	20561 D)EF	AT radiolarians	DEF	AT	4
20570 /2	20562 P	OS	AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF	AT	4
20600 /2	20592 D)EF	AT	DEF	AT	5
20690 /2	20682 D)EF	AT base of salt	POS	AT	5
20750 /2	20742 D)EF	AT	DEF	AT	4
20780 /2	20771 D)EF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
20960 /2	20951 D)EF	AT local marker planktic foram increase	DEF	AT	4
21080 /2	21071 D)EF	AT local marker planktic foram increase	DEF	AT	4

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Fcozone

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-FEB-2005 First Sample Examined: 17870 Source of Paleo: OPERATOR Lease Number: G18537 **Borehole MD:** 32627 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

WID/I	<u>VD</u>	Paleo Top Description		ECO	zone
21200 /21	I190 DEF	AT turbid water facies	POS	AT	4
21350 /21	1340 DEF	AT turbid water facies	DEF	AT	4
21590 /21	1580 DEF	AT turbid water facies	POS	AT	4
21710 /21	1700 DEF	AT	DEF	AT	4
21830 /21	1820 DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
21980 /21	1970 DEF	AT turbid water facies	POS	AT	4
22850 /22	2840 DEF	AT	DEF	AT	4
23059 /23	3049 POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
23060 /23	3050 DEF	IN Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4
23090 /23	3080 DEF	AT turbid water facies	DEF	AT	4
23150 /23	3140 DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
23270 /23	3260 DEF	AT turbid water facies	POS	AT	4
23390 /23	3380 DEF	AT	DEF	AT	4
23420 /23	3410 DEF	AT turbid water facies	DEF	AT	4
23720 /23	3710 DEF	AT turbid water facies	POS	AT	4
23780 /23	3770 DEF	AT turbid water facies	POS	AT	4
23870 /23	3860 DEF	AT Cyclammina cancellata (local marker)	POS	AT	4
23930 /23	3920 DEF	AT local marker benthic foram increase	DEF	AT	4
24050 /24	1040 DEF	AT turbid water facies	POS	AT	4
24109 /24	1099 DEF	AT turbid water facies	POS	AT	4
24110 /24	1100 DEF	AT Cyclammina cancellata (local marker)	POS	AT	4
24200 /24	1190 DEF	AT	DEF	AT	5
24290 /24	1280 DEF	AT	DEF	AT	4
24440 /24	1430 DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-FEB-2005 First Sample Examined: 17870 Source of Paleo: OPERATOR Lease Number: G18537 **Borehole MD:** 32627 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ecoz	zone
24650 /24640	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	5
24680 /24670	DEF	AT	DEF	AT	4
25489 /25479	DEF	AT turbid water facies	DEF	AT	4
25490 /25480	DEF	AT Bathysiphon fauna	DEF	AT	4
25940 /25930	DEF	AT	DEF	IN	3
26120 /26110	DEF	AT	DEF	AT	4
26540 /26530	DEF	AT turbid water facies	POS	AT	4
26630 /26620	DEF	AT turbid water facies	POS	AT	4
26720 /26710	DEF	AT turbid water facies	POS	AT	4
26750 /26740	DEF	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	IN	3
26810 /26800	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
26900 /26890	DEF	AT turbid water facies	POS	AT	4
26990 /26980	DEF	AT turbid water facies	POS	AT	4
27230 /27220	DEF	AT turbid water facies	POS	AT	4
27350 /27340	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	4
27440 /27430	DEF	AT turbid water facies	POS	AT	5
27470 /27460	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
27500 /27490	DEF	AT	DEF	AT	4
27680 /27670	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
27740 /27730	DEF	AT local marker benthic foram increase	DEF	AT	4
27890 /27880	DEF	AT	DEF	AT	5
27920 /27910	DEF	AT	DEF	AT	4
28040 /28030	DEF	AT local marker planktic foram increase	DEF	AT	5
28220 /28210	DEF	AT	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-FEB-2005 First Sample Examined: 17870 Lease Number: G18537 Source of Paleo: OPERATOR **Borehole MD:** 32627 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ecc	ozone
28340 /28329	DEF	AT	DEF	AT	4
28460 /28449	DEF	AT turbid water facies	POS	AT	4
28490 /28479	DEF	AT	DEF	AT	4
28610 /28599	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	4
28760 /28749	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
28790 /28779	DEF	AT faunal change (no faunal increase)	DEF	AT	4
28940 /28929	DEF	AT local marker planktic foram increase	DEF	AT	4
29630 /29619	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
29750 /29739	POS	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	5
29780 /29769	DEF	AT	DEF	AT	4
30230 /30219	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	4
30319 /30308	DEF	AT turbid water facies	POS	AT	4
30320 /30309	DEF	AT Arenaceous fauna (local marker)	POS	AT	4
30410 /30399	DEF	AT	DEF	AT	4
30500 /30489	DEF	AT turbid water facies	POS	AT	4
30560 /30549	DEF	AT	DEF	AT	4
30680 /30669	DEF	AT local marker planktic foram increase	DEF	AT	4
30950 /30938	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	AT	5
31070 /31058	DEF	AT	DEF	AT	4
31220 /31207	DEF	AT turbid water facies	POS	AT	4
31250 /31237	DEF	AT	DEF	AT	4
31400 /31387	DEF	AT transported shelf fauna	DEF	AT	4
31880 /31867	DEF	AT local marker planktic foram increase	DEF	AT	4
32030 /32017	DEF	AT transported shelf fauna	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 267 Date of Summary: 07-FEB-2005 17870 Source of Paleo: OPERATOR 32627 Lease Number: G18537 **Borehole MD:** Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 001 **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 1 of 3 **Sample Range:** 17870 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	Ecozone	<u>e</u>
32300 /32286	DEF AT transported shelf fauna	POS AT 4	
32330 /32316	DEF AT local marker planktic foram increase	DEF AT 4	
32480 /32466	DEF AT transported outer shelf facies	POS AT 4	
32570 /32556	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4	
32627 /32613	DEF AT last sample examined	DEF AT 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 02-JUL-2005 First Sample Examined: 17840 Lease Number: G18537 Source of Paleo: OPERATOR **Borehole MD:** 32627 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 2 of 3 Sample Range: 17840 - 32627 Water Depth: 3341 Public Info Code: Y 30-APR-2007 Paleo ID: 002 **Ecozone Eq MMS:**

Remark: Vrede Prospect, calcareous nannofossil report, paleo done by Theresa M Dunn

MD/TVD		Paleo Top Description		Ecozone
17870 /17867	DEF	AT first sample examined	DEF	AT
17871 /17868	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
18140 /18137	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
19070 /19065	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
19310 /19305	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
20003 /19997	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
20210 /20203	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
20360 /20353	DEF	AT reworked material	DEF	AT
20480 /20472	DEF	AT out-of-place section	DEF	AT
20960 /20951	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
24110 /24100	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
24530 /24520	DEF	AT out-of-place section	DEF	AT
25460 /25450	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
27200 /27190	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
27380 /27370	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
27500 /27490	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
29570 /29559	DEF	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
29750 /29739	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
30200 /30189	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
31880 /31867	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
32120 /32106	POS	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
32627 /32613	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 267 Date of Summary: 07-JUL-2005 First Sample Examined: 30376 Source of Paleo: OPERATOR Lease Number: G18537 **Borehole MD:** 32627 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 32613 **API Well Number:** 608184005000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 75 Paleo Report Num: 3 of 3 Sample Range: 30376 - 32288 Water Depth: 3341 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Vrede Prospect, calcareous nannofossil report based on sidewall cores, paleo done by Theresa M Dunn

MD/TVD	Paleo Top Description	<u>Ecozone</u>
30376 /30365	DEF AT first sample examined	DEF AT
32152 /32138	DEF AT local marker floral decrease	DEF AT
32191 /32177	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
32245 /32231	DEF AT local marker floral decrease	DEF AT
32288 /32274	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 272 Date of Summary: 16-FEB-2006 First Sample Examined: 6840 Lease Number: G16894 Source of Paleo: OPERATOR **Borehole MD:** 22530 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21993 **API Well Number:** 608184005800 **Drilling Operator:** BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Sample Range: 6840 - 22530 Paleo Report Num: 1 of 1 Water Depth: 4291 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Everest Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report

for details

MD/TVD		Paleo Top Description		Ec	ozone
6840 / 6839	DEF	AT first sample examined	DEF	AT	
6990 / 6989	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	
7200 / 7199	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF	AT	
7350 / 7349	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF	AT	
7530 / 7529	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	
8040 / 8039	POS	AT local marker floral increase	DEF	AT	
8100 / 8099	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	IN	5
8250 / 8249	DEF	AT local marker planktic foram increase	DEF	AT	6
8280 / 8279	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT	6
8299 / 8298	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT	6
8300 / 8299	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	6
8496 / 8495	DEF	AT	DEF	IN	5
8639 / 8638	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	5
8640 / 8639	POS	AT local marker planktic foram increase	DEF	IN	5
8669 / 8668	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	6
8670 / 8669	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	6
8760 / 8759	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	6
8790 / 8789	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	6
8819 / 8818	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	6
8820 / 8819	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	6
8847 / 8846	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	6

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 272 Date of Summary: 16-FEB-2006 First Sample Examined: 6840 Lease Number: G16894 Source of Paleo: OPERATOR **Borehole MD:** 22530 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21993 **API Well Number:** 608184005800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 6840 - 22530 Water Depth: 4291 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

_	MD/IVD		Paleo Top Description		E	cozone
	8848 / 8847	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	6
	8849 / 8848	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	6
	8850 / 8849	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	6
	8875 / 8874	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	6
	8876 / 8875	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	6
	8877 / 8876	POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	6
	8878 / 8877	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	6
	8879 / 8878	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	6
	8880 / 8879	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	6
	8970 / 8969	DEF	AT	DEF	IN	5
	9000 / 8999	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	IN	5
	9029 / 9028	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	IN	5
	9030 / 9029	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
	9150 / 9149	DEF	AT local marker planktic foram increase	DEF	AT	6
	9180 / 9179	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
	9269 / 9268	DEF	AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF	AT	6
	9270 / 9269	DEF	AT local marker foram increase	DEF	AT	6
	9328 / 9327	DEF	AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF	AT	6
	9329 / 9328	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6
	9330 / 9329	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
	9389 / 9388	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	6
	9390 / 9389	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	6
	9420 / 9419	DEF	AT	DEF	IN	5
	9449 / 9448	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF	IN	5

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Paleo Top Description

MD/TVD

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 272 Date of Summary: 16-FEB-2006 First Sample Examined: 6840 Source of Paleo: OPERATOR Lease Number: G16894 **Borehole MD:** 22530 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21993 **API Well Number:** 608184005800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 6840 - 22530 Water Depth: 4291 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/	IVU	Paleo Top Description		ECO	zone
9450 /	9449 DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	IN	5
9479 /	9478 DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	IN	5
9480 /	9479 DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	5
9645 /	9644 POS	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN	5
9870 /	9869 DEF	AT out-of-place section	POS	IN	5
9880 /	9879 DEF	AT salt	POS	IN	5
16229 /	16148 DEF	AT base of salt	DEF	IN	5
16230 /	16149 DEF	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	5
16560 /	16453 DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	IN	5
16620 /	16508 POS	AT Upper Miocene (Tortonian) Cibicides inflata	DEF	IN	5
16650 /	16536 POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	5
16680 /	16564 DEF	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	IN	5
16920 /	16785 DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	5
17070 /	16924 DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	5
17100 /	16952 POS	AT local marker foram increase	DEF	IN	5
17490 /	17312 DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	IN	5
17579 /	17394 DEF	AT local marker floral increase	DEF	IN	5
17580 /	17395 DEF	AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF	IN	5
18090 /	17866 DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	IN	5
18120 /	17894 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	5
18148 <i>/</i> 1	17920 DEF	AT floral flood	DEF	IN	5
18149 <i>/</i> 1	17921 DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	IN	5
18150 /	17922 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi	DEF	IN	5
18180 / <i>¹</i>	17949 DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	IN	5

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Paleo Top Description

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 272 Date of Summary: 16-FEB-2006 First Sample Examined: 6840 Source of Paleo: OPERATOR Lease Number: G16894 **Borehole MD:** 22530 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21993 **API Well Number:** 608184005800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 6840 - 22530 Water Depth: 4291 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description			<u>Ecozone</u>
18240 /18005	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	IN	5
18510 /18254	POS	AT local marker foram increase	DEF	IN	5
18690 /18421	DEF	AT Bathysiphon fauna	DEF	IN	5
18900 /18614	DEF	AT Arenaceous fauna (local marker)	DEF	IN	5
19020 /18725	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	IN	5
19049 /18752	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	IN	5
19050 /18753	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	5
19080 /18781	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	IN	5
19170 /18864	DEF	AT local marker floral increase	DEF	IN	5
19290 /18976	DEF	AT Arenaceous fauna (local marker)	DEF	IN	5
19350 /19031	DEF	AT local marker floral increase	DEF	IN	5
19559 /19225	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	IN	5
19560 /19226	DEF	AT local marker planktic foram increase	DEF	IN	5
19650 /19310	DEF	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	IN	5
19830 /19478	DEF	AT Arenaceous fauna (local marker)	DEF	IN	5
19890 /19533	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	IN	5
20040 /19673	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	IN	5
20160 /19785	DEF	AT local marker floral increase	DEF	IN	5
20400 /20008	DEF	AT Arenaceous fauna (local marker)	DEF	IN	5
20550 /20147	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	IN	5
20610 /20202	DEF	AT reworked material	DEF	IN	5
20700 /20285	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	5
21240 /20787	POS	AT local marker planktic foram increase	DEF	IN	5
21450 /20983	DEF	AT reworked material	DEF	IN	5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 272 Date of Summary: 16-FEB-2006 First Sample Examined: 6840 Source of Paleo: OPERATOR Lease Number: G16894 **Borehole MD:** 22530 21993 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD: API Well Number:** 608184005800 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 6840 - 22530 Water Depth: 4291 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		<u>Ecozone</u>
21630 /21151	DEF	AT local marker floral increase	DEF I	N 5
21780 /21291	DEF	IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF I	N 5
21809 /21318	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF I	N 5
21810 /21319	POS	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF I	N 5
21840 /21347	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF I	N 5
21930 /21431	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF I	N 5
22020 /21516	POS	AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF I	N 5
22050 /21544	DEF	AT local marker planktic foram increase	DEF I	N 5
22080 /21572	POS	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF I	N 5
22229 /21711	DEF	AT reworked material	DEF I	N 5
22230 /21712	DEF	AT local marker foram increase	DEF I	N 5
22290 /21768	DEF	AT local marker foram increase	DEF I	N 5
22320 /21797	DEF	AT local marker floral increase	DEF I	N 5
22499 /21964	POS	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF I	N 5
22500 /21965	POS	AT Bathysiphon fauna	DEF I	N 5
22530 /21993	DEF	AT last sample examined	DEF I	N 5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 336 First Sample Examined: 8730 Date of Summary: 07-JUN-2000 Lease Number: G18569 Source of Paleo: OPERATOR **Borehole MD:** 20154 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19500 **API Well Number:** 608184001200 **Drilling Operator: BURLINGTON RESOURCES INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 8730 - 20154 Water Depth: 6221 Public Info Code: Y 23-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 19260=very rare Globorotalia aequa, 19380=Globorotalites conicus, 19890=Catapsydrax dissimilis with a reoccurrence at 19950, probably displaced or caved fauna, with lithology not characteristic of Early Miocene, an examination of the faunal abundance curve over the interval 18870 to 20154 is very atypical for the downdip mid-Eocene to Upper Cretaceous age section, see report for further comments, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
8730 / 8730	DEF	AT first sample examined	DEF	AT	4
8940 / 8940	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
11550 /11550	POS	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
13080 /13080	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
13110 /13110	DEF	AT	DEF	IN	5
13380 /13380	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	5
13650 /13650	DEF	AT	DEF	AT	5
13890 /13890	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
14340 /14339	DEF	AT sample gap top	POS	AT	5
14520 /14519	DEF	AT sample gap bottom	DEF	AT	5
14610 /14609	POS	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
16770 /16699	POS	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
17310 /17153	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	6
18030 /17750	POS	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT	6
18060 /17775	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	6
18270 /17947	DEF	AT	DEF	AT	5
18450 /18096	DEF	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	5
18630 /18248	DEF	AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF	AT	5
18660 /18273	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 336 Date of Summary: 07-JUN-2000 First Sample Examined: 8730 Lease Number: G18569 Source of Paleo: OPERATOR **Borehole MD:** 20154 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19500 **API Well Number:** 608184001200 **Drilling Operator: BURLINGTON RESOURCES INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 8730 - 20154 Water Depth: 6221 Public Info Code: Y 23-JUN-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Ecoz	one
18720 /18324	DEF	AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF	AT	5
18870 /18453	DEF	AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF	AT	5
18900 /18479	DEF	AT	DEF	AT	4
19080 /18635	POS	AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF	AT	4
19170 /18713	DEF	AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF	AT	4
19260 /18792	POS	IN Lower (Early) Eocene	DEF	AT	4
19379 /18897	POS	AT out-of-place section	DEF	AT	3
19380 /18898	POS	AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF	AT	3
19889 /19318	POS	AT reworked material	DEF	AT	3
19890 /19319	POS	AT out-of-place section	DEF	AT	3
19891 /19319	POS	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	3
20154 /19500	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 336 Date of Summary: 08-JUN-2000 First Sample Examined: 8730 Lease Number: G18569 Source of Paleo: OPERATOR **Borehole MD:** 20154 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19500 **API Well Number:** 608184001200 **Drilling Operator: BURLINGTON RESOURCES INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 8730 - 20154 Water Depth: 6221 Public Info Code: Y 23-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, see report for further comments, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
8730 / 8730	DEF	AT first sample examined	DEF	AT
11550 /11550	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
11580 /11580	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
13080 /13080	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
13110 /13110	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
13290 /13290	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
13319 /13319	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
13320 /13320	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
13380 /13380	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13410 /13410	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
13649 /13649	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
13650 /13650	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
13830 /13830	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
14220 /14219	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
14790 /14789	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
14850 /14849	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
16050 /16035	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
16200 /16179	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
16290 /16264	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
16710 /16646	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
17340 /17178	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
18029 /17750	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 336 Date of Summary: 08-JUN-2000 First Sample Examined: 8730 Lease Number: G18569 Source of Paleo: OPERATOR **Borehole MD:** 20154 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19500 **API Well Number:** 608184001200 Drilling Operator: BURLINGTON RESOURCES INC **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 8730 - 20154 Water Depth: 6221 Public Info Code: Y 23-JUN-2005 Paleo ID: **Ecozone Eq MMS:** 002

MD/TVD		Paleo Top Description		Ecozone
18030 /17750	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
18060 /17775	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
18089 /17799	POS	AT out-of-place section	DEF	AT
18090 /17800	POS	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
18569 /18196	POS	AT out-of-place section	DEF	AT
18570 /18197	POS	IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT
18690 /18299	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
18740 /18341	DEF	AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	AT
18840 /18427	DEF	AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF	AT
18900 /18479	DEF	AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF	AT
18960 /18531	DEF	AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF	AT
19200 /18739	DEF	AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF	AT
19230 /18766	DEF	AT Upper Cretaceous (Maastrichtian) Aspidolithus parcus constrictus	DEF	AT
19530 /19029	POS	AT local marker floral decrease	DEF	AT
20109 /19472	POS	AT reworked material	DEF	AT
20110 /19472	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
20154 /19500	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 02-OCT-2001 Area Block: AT 353 First Sample Examined: 5375 Lease Number: G18578 Source of Paleo: OPERATOR **Borehole MD:** 9188 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9076 **API Well Number:** 608184002200 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC **Rkb Elevation:** 73 Paleo Report Num: 1 of 2 **Sample Range:** 5375 - 9188 Water Depth: 3790 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/1	TVD		Paleo Top Description		Ecozone
5375 /	5375	DEF	AT first sample examined	DEF	AT
5980 /	5976	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
6210 /	6199	DEF	AT sample gap top	DEF	AT
6310 /	6294	DEF	AT sample gap bottom	DEF	AT
6610 /	6579	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
8260 /	8152	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
8560 /	8449	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
8860 /	8748	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
8890 /	8778	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
8920 /	8808	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
8950 /	8838	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
8980 /	8868	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT
9188 /	9076	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 353 Date of Summary: 02-OCT-2001 First Sample Examined: 5375 Lease Number: G18578 Source of Paleo: OPERATOR **Borehole MD:** 9188 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9076 **API Well Number:** 608184002200 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC **Rkb Elevation:** 73 Paleo Report Num: 2 of 2 **Sample Range:** 5375 - 9188 Water Depth: 3790 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
5375 / 5375	DEF AT first sample examined	DEF A	T 4
5980 / 5976	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF I	۸ 4
6210 / 6199	DEF AT sample gap top	POS II	۸ 4
6310 / 6294	DEF AT sample gap bottom	DEF I	J 4
8260 / 8152	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF I	۸ 4
8800 / 8688	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF I	۸ 4
8890 / 8778	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF I	J 4
8950 / 8838	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF I	J 4
9188 / 9076	DEF AT last sample examined	DEF I	J 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 398 Date of Summary: 30-NOV-2005 First Sample Examined: 21350 Lease Number: G16910 Source of Paleo: OPERATOR **Borehole MD:** 28270 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 28267 **API Well Number:** 608184005700 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 **Sample Range:** 21350 - 28280 Paleo Report Num: 1 of 1 Water Depth: 3619 Public Info Code: Y 09-FEB-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Bonsai Prospect, interim company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
21350 /21348	DEF	AT first sample examined	DEF	AT
21351 /21349	DEF	AT base of salt	DEF	AT
21352 /21350	POS	IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF	AT
21353 /21351	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
21799 /21797	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
21800 /21798	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT
21950 /21948	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT
22010 /22008	DEF	AT local marker floral increase	DEF	AT
22040 /22038	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT
22640 /22637	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
23240 /23237	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
23480 /23477	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
23600 /23597	DEF	AT local marker floral increase	DEF	AT
23730 /23727	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
23780 /23777	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
26480 /26477	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT
26960 /26957	POS	IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
27559 /27556	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
27560 /27557	DEF	IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
27770 /27767	DEF	AT local marker floral increase	DEF	AT
27980 /27977	DEF	AT reworked material	DEF	AT
28280 /	DEF	AT last sample examined	DEF	AT

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 398 First Sample Examined: 27420 Date of Summary: 10-JAN-2006 Lease Number: G16910 Source of Paleo: OPERATOR **Borehole MD:** 30125 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29955 **API Well Number:** 608184005701 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 **Sample Range:** 27420 - 30126 Paleo Report Num: 1 of 1 Water Depth: 3619 Public Info Code: Y 09-FEB-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for

details

Paleo Top Description

	7 1 1 1 1		<u>Paled Top Description</u>		ECOZONE
27420	/27332	DEF	AT first sample examined	DEF	AT
27750	/27654	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
28520	/28402	DEF	AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT
28610	/28489	DEF	AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT
28628	/28506	DEF	AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF	AT
28629	/28507	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
28670	/28547	DEF	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT
28728	/28603	DEF	AT unconformity	DEF	AT
28729	/28604	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
28730	/28605	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT
28789	/28662	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	AT
28790	/28663	DEF	AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF	AT
28820	/28692	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
28848	/28719	DEF	AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF	AT
28849	/28720	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
28850	/28721	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT
28880	/28750	DEF	AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF	AT
28909	/28778	DEF	AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF	AT
28910	/28779	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	AT
29058	/28922	DEF	AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF	AT
29059	/28923	DEF	AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF	AT

MD/TVD

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Ecozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 398 Date of Summary: 10-JAN-2006 First Sample Examined: 27420 Source of Paleo: OPERATOR Lease Number: G16910 **Borehole MD:** 30125 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 29955 **API Well Number:** 608184005701 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 1 of 1 **Sample Range:** 27420 - 30126 Water Depth: 3619 Public Info Code: Y 09-FEB-2007 Paleo ID: **Ecozone Eq MMS:** 001

		Taled Top Description		LCOZOTIC
29060 /28924	DEF	AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF	AT
29089 /28952	DEF	AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF	AT
29090 /28953	DEF	AT Middle Eocene (Bartonian) Subbotina frontosa	DEF	AT
29150 /29011	DEF	AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF	AT
29270 /29126	DEF	AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF	AT
29330 /29184	DEF	AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF	AT
29390 /29242	POS	AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	AT
29480 /29329	DEF	AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	AT
29927 /29762	DEF	AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF	AT
29928 /29763	DEF	AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF	AT
29929 /29764	DEF	AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF	AT
29930 /29765	DEF	AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF	AT
30049 /29881	DEF	IN Lower Paleocene Danian Stage	DEF	AT
30050 /29882	DEF	AT out-of-place section	DEF	AT
30069 /29900	DEF	AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF	AT
30070 /29901	DEF	AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF	AT
30080 /29911	DEF	IN Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF	AT
30126 /	DEF	AT last sample examined	DEF	AT

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 398 Date of Summary: 15-AUG-2006 First Sample Examined: 22750 Lease Number: G16910 Source of Paleo: OPERATOR **Borehole MD:** 24153 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21794 **API Well Number:** 608184005702 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 1 of 1 **Sample Range:** 22750 - 24153 Water Depth: 3619 Public Info Code: Y 09-FEB-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report

for details

MD/TVD	Paleo Top Description	Ecozone
22765 /20679	DEF AT first sample examined	DEF AT
22766 /20679	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
22825 /20727	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
23079 /20930	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
23080 /20931	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
23454 /21234	DEF AT condensed section	DEF AT
23455 /21235	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23507 /21277	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
23740 /21465	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
23755 /21477	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24153 /21794	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 430 Date of Summary: 15-MAY-2001 First Sample Examined: 10360 Lease Number: G18604 Source of Paleo: OPERATOR **Borehole MD:** 18293 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17008 **API Well Number:** 608184002000 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 94 Paleo Report Num: 1 of 2 Sample Range: 10360 - 18230 Water Depth: 7526 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10360 /10359	DEF	AT first sample examined	DEF	AT
11920 /11918	POS	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
12639 /12637	POS	AT out-of-place section	DEF	AT
12640 /12638	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
12970 /12966	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
12971 /12967	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
13330 /13313	DEF	AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF	AT
13450 /13422	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
13600 /13553	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
14200 /14004	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
15370 /14831	DEF	AT out-of-place section	DEF	AT
15490 /14917	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
15880 /15191	DEF	AT out-of-place section	DEF	AT
16930 /15940	DEF	AT out-of-place section	DEF	AT
16990 /15984	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
18130 /16881	DEF	AT out-of-place section	DEF	AT
18230 /16960	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 430 Date of Summary: 16-MAY-2001 First Sample Examined: 10360 Lease Number: G18604 Source of Paleo: OPERATOR **Borehole MD:** 18293 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17008 **API Well Number:** 608184002000 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 94 Paleo Report Num: 2 of 2 **Sample Range:** 10360 - 18230 Water Depth: 7526 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10360 /10359	DEF	AT first sample examined	DEF IN	۸ 4
12970 /12966	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF IN	۸ 4
13210 /13200	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF A	Т 4
13330 /13313	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN	۸ 4
14140 /13961	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN	۸ 4
14590 /14283	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN	۸ 4
15490 /14917	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN	۸ 4
15850 /15170	DEF	AT reworked material	DEF IN	۸ 4
16989 /15983	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN	۸ 4
16990 /15984	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN	۸ 4
18130 /16881	DEF	AT out-of-place section	DEF IN	۸ 4
18230 /16960	DEF	AT last sample examined	DEF IN	N 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 19-JUL-2004 First Sample Examined: 8300 Lease Number: G18617 Source of Paleo: OPERATOR **Borehole MD:** 16765 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
8300 / 8300	DEF	AT first sample examined	DEF	AT	5
9710 / 9710	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
9800 / 9800	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
9979 / 9979	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
9980 / 9980	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
10009 /10009	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	5
10010 /10010	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
10040 /10040	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
10100 /10100	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
10220 /10220	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	5
10280 /10280	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
10400 /10400	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	5
10520 /10520	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	5
10700 /10700	DEF	AT faunal change (no faunal increase)	DEF	AT	5
10879 /10879	DEF	AT anhydrite	POS	AT	5
10880 /10880	DEF	AT salt	POS	AT	5
13040 /13040	DEF	AT base of salt	DEF	AT	5
13070 /13070	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
13130 /13130	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
13490 /13490	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
13610 /13610	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
13820 /13820	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 488 Date of Summary: 19-JUL-2004 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Paleo Done By: PALEO-DATA, INC. Well Name: 002 **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14180 /14180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14390 /14390	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15680 /15679	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16250 /16249	POS AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
16670 /16669	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
16765 /16764	DEF AT last sample examined	DEF AT 5

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 First Sample Examined: 8300 Date of Summary: 19-JUL-2004 Lease Number: G18617 Source of Paleo: OPERATOR **Borehole MD:** 16765 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 **Sample Range:** 8300 - 16765 Paleo Report Num: 2 of 4 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 13460=may represent a sheared horizon below salt, 13040 to 13490 yielded sporadic very rare occurrences of a late/middle Miocene, Oligocene, late Eocene flora associated with salt and not considered age-diagnostic, nannospecies abundance and diversity

chart available, see report for details

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MD/TVD		Paleo Top Description		<u>Ecozone</u>
8300 / 8300	DEF	AT first sample examined	DEF	AT
9710 / 9710	POS	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
9800 / 9800	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
9830 / 9830	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9980 / 9980	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
10010 /10010	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
10069 /10069	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
10070 /10070	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
10100 /10100	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT
10280 /10280	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
10310 /10310	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10370 /10370	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
10430 /10430	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
10640 /10640	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10760 /10760	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
10790 /10790	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
10880 /10880	POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
10910 /10910	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
10940 /10940	DEF	AT salt	DEF	AT
11000 /11000	DEF	AT sample gap top	DEF	AT

MD/TVD

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Ecozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 19-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 2 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

		Paled Top Description		ECOZOTIE
13010 /13010	DEF	AT sample gap bottom	DEF	AT
13039 /13039	DEF	AT base of salt	DEF	AT
13040 /13040	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
13100 /13100	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
13130 /13130	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13430 /13430	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13460 /13460	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
14120 /14120	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
14360 /14360	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
14660 /14660	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
14840 /14840	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
14900 /14900	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
15590 /15589	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
15949 /15948	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
15950 /15949	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT
16100 /16099	POS	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
16219 /16218	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
16220 /16219	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
16520 /16519	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
16670 /16669	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
16698 /16697	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
16699 /16698	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
16700 /16699	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT
16765 /16764	DEF	AT last sample examined	DEF	AT

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Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 20-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 3 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 004

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
8300 / 8300	DEF	AT first sample examined	DEF	AT
8540 / 8540	DEF	AT reworked material	DEF	AT
8960 / 8960	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF	AT
9320 / 9320	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
9350 / 9350	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
9650 / 9650	DEF	AT local marker floral increase	DEF	AT
9680 / 9680	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
9769 / 9769	DEF	AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF	AT
9770 / 9770	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
9800 / 9800	DEF	AT reworked material	DEF	AT
9979 / 9979	DEF	AT condensed section	DEF	AT
9980 / 9980	DEF	AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
10010 /10010	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
10040 /10040	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
10100 /10100	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF	AT
10130 /10130	DEF	AT local marker floral increase	DEF	AT
10220 /10220	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
10250 /10250	DEF	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10310 /10310	DEF	AT local marker floral increase	DEF	AT
10370 /10370	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
10400 /10400	DEF	AT local marker floral increase	DEF	AT
10430 /10430	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT

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Ecozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 20-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 3 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** 004

MID/ I V D		rated top bescription		ECOZOTIE
10460 /10460	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
10729 /10729	DEF	IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF	AT
10730 /10730	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
10760 /10760	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
10790 /10790	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
10850 /10850	DEF	IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
10940 /10940	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF	AT
10970 /10970	DEF	AT salt	DEF	AT
12640 /12640	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
13039 /13039	DEF	AT base of salt	DEF	AT
13040 /13040	DEF	AT out-of-place section	DEF	AT
13070 /13070	POS	IN Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
13190 /13190	POS	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13250 /13250	POS	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
13310 /13310	DEF	AT reworked material	DEF	AT
13430 /13430	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
13520 /13520	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
13550 /13550	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
13580 /13580	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
13790 /13790	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
14238 /14238	DEF	AT unconformity	DEF	AT
14239 /14239	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
14240 /14240	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
14330 /14330	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT

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Paleo Top Description

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 20-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Well Name: 002 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 3 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** 004

	1/ 1/0		Paleo Top Description		Ecozone
14360	/14360	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
14390	/14390	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
14690	/14690	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
14870	/14870	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
15290	/15290	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
15410	/15410	POS	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
15440	/15440	DEF	AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
15560	/15560	DEF	AT reworked material	DEF	AT
15650	/15649	POS	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT
15710	/15709	DEF	AT local marker floral increase	DEF	AT
15799	/15798	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
15800	/15799	POS	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF	AT
15980	/15979	DEF	IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
16040	/16039	DEF	AT local marker floral increase	DEF	AT
16100	/16099	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
16220	/16219	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
16250	/16249	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
16519	/16518	POS	AT transported inner shelf facies	DEF	AT
16520	/16519	DEF	IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
16580	/16579	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
16670	/16669	DEF	IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
16700	/16699	DEF	AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF	AT
16730	/16729	DEF	AT last sample examined	DEF	AT

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Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 23-JUL-2004 First Sample Examined: 8300 Lease Number: G18617 Source of Paleo: OPERATOR **Borehole MD:** 16765 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Sample Range: 8300 - 16765 Paleo Report Num: 4 of 4 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 003

Remark: The occurrence of the Hackberry Facies at 16520 to 16550 is the most downdip occurrence of the classic Hackberry Facies in the Gulf of Mexico Basin, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
8300 / 8300	DEF	AT first sample examined	DEF	AT	
8360 / 8360	DEF	IN Holocene Globorotalia inflata	DEF	AT	
8810 / 8810	DEF	AT reworked material	DEF	AT	
8900 / 8900	DEF	AT faunal change (no faunal increase)	POS	AT	4
9320 / 9320	POS	AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	5
9500 / 9500	DEF	AT faunal change (no faunal increase)	DEF	AT	4
9650 / 9650	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
9770 / 9770	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
9800 / 9800	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	6
9920 / 9920	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	6
9977 / 9977	DEF	AT condensed section	DEF	IN	6
9978 / 9978	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	6
9979 / 9979	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	6
9980 / 9980	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	6
10009 /10009	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	6
10010 /10010	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	6
10100 /10100	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	6
10219 /10219	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	6
10220 /10220	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	6
10280 /10280	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
10520 /10520	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 23-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Well Name: 002 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 4 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** Y 003

MD/ IVD		Paleo Top Description		ECO	zone
10580 /10580	DEF	AT local marker foram increase	DEF	IN	5
10640 /10640	DEF	AT local marker planktic foram increase	DEF	IN	5
10820 /10820	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	6
10879 /10879	DEF	AT limestone	DEF	AT	5
10880 /10880	DEF	AT local marker foram decrease	DEF	AT	5
10970 /10970	DEF	AT salt	POS	AT	5
13039 /13039	DEF	AT base of salt	DEF	IN	4
13040 /13040	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
13130 /13130	DEF	AT limestone	DEF	IN	4
13220 /13220	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13460 /13460	DEF	AT local marker foram decrease	POS	AT	5
13580 /13580	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13820 /13820	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
13940 /13940	DEF	AT faunal change (no faunal increase)	POS	AT	4
14180 /14180	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
14270 /14270	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
14360 /14360	DEF	AT faunal change (no faunal increase)	DEF	AT	5
14419 /14419	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	5
14420 /14420	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
14540 /14540	DEF	AT local marker planktic foram increase	DEF	AT	5
14600 /14600	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15020 /15020	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	4
15200 /15200	DEF	AT cement	POS	AT	4
15260 /15260	DEF	AT faunal change (no faunal increase)	DEF	AT	4

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Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 488 Date of Summary: 23-JUL-2004 First Sample Examined: 8300 Source of Paleo: OPERATOR Lease Number: G18617 **Borehole MD:** 16765 Well Name: 002 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16764 **API Well Number:** 608184004900 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 82 Paleo Report Num: 4 of 4 **Sample Range:** 8300 - 16765 Water Depth: 4725 Public Info Code: Y 30-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 003

	Paleo Top Description			<u>Ecozone</u>
POS	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	AT	4
DEF	AT Middle Miocene (Serravallian) Anomalina adelensis	DEF	AT	4
DEF	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	AT	4
DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	4
DEF	AT condensed section	DEF	IN	5
DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	5
DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	IN	5
DEF	AT Upper Oligocene (Chattian) Heterostegina texana	DEF	IN	5
DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	IN	5
DEF	AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF	IN	5
DEF	AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF	IN	5
DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	5
DEF	AT Upper Oligocene (Chattian) Bolivina mexicana	DEF	AT	6
DEF	AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF	AT	6
DEF	AT last sample examined	DEF	AT	6
	DEF	POS AT Middle Miocene (Serravallian) Cibicides barnetti DEF AT Middle Miocene (Serravallian) Anomalina adelensis DEF AT Middle Miocene (Serravallian) Cibicides barnetti DEF AT Arenaceous fauna (local marker) DEF AT Middle Miocene (Langhian) Amphistegina "B" DEF AT condensed section DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT Lower Miocene (Aquitanian) Siphonina davisi DEF AT Upper Oligocene (Chattian) Heterostegina texana DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis DEF AT Upper Oligocene (Chattian) Cibicides hazzardi DEF AT Upper Oligocene (Chattian) Globorotalia opima opima DEF AT Upper Oligocene (Chattian) Bolivina mexicana DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	POS AT Middle Miocene (Serravallian) Cibicides barnetti DEF DEF AT Middle Miocene (Serravallian) Anomalina adelensis DEF DEF AT Middle Miocene (Serravallian) Cibicides barnetti DEF DEF AT Arenaceous fauna (local marker) DEF DEF AT Middle Miocene (Langhian) Amphistegina "B" DEF DEF AT condensed section DEF DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF DEF AT Lower Miocene (Aquitanian) Siphonina davisi DEF DEF AT Upper Oligocene (Chattian) Heterostegina texana DEF DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis DEF DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis DEF DEF AT Upper Oligocene (Chattian) Globigerina angulisuturalis DEF DEF AT Upper Oligocene (Chattian) Globorotalia opima opima DEF DEF AT Upper Oligocene (Chattian) Globorotalia opima opima DEF DEF AT Upper Oligocene (Chattian) Bolivina mexicana DEF DEF AT Upper Oligocene (Chattian) Bolivina mexicana DEF DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	POS AT Middle Miocene (Serravallian) Cibicides barnetti DEF AT DEF AT Middle Miocene (Serravallian) Anomalina adelensis DEF AT DEF AT Middle Miocene (Serravallian) Cibicides barnetti DEF AT DEF AT Middle Miocene (Serravallian) Cibicides barnetti DEF AT DEF AT Arenaceous fauna (local marker) DEF AT DEF AT Middle Miocene (Langhian) Amphistegina "B" DEF AT condensed section DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT Lower Miocene (Regurdigalian) Catapsydrax dissimilis DEF AT Upper Oligocene (Chattian) Heterostegina texana DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis DEF AT Upper Oligocene (Chattian) Cibicides hazzardi DEF AT Upper Oligocene (Chattian) Globorotalia opima opima DEF AT Upper Oligocene (Chattian) Bolivina mexicana DEF AT Upper Oligocene (Chattian) Bolivina mexicana DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 489 Date of Summary: 04-DEC-2002 8136 Source of Paleo: OPERATOR Lease Number: G15632 **Borehole MD:** 12243 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12200 **API Well Number:** 608184003300 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 8136 - 12240 Water Depth: 4578 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
8136 / 8135	DEF	AT first sample examined	DEF	AT	5
9420 / 9419	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
9570 / 9569	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
9630 / 9629	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
9660 / 9659	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
9690 / 9689	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
9719 / 9718	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
9720 / 9719	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
9750 / 9749	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
9810 / 9809	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
9900 / 9899	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
9930 / 9929	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
10050 /10049	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5
10110 /10109	POS	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
10230 /10228	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
10320 /10318	DEF	IN salt	DEF	AT	5
11700 /11668	DEF	AT base of salt	DEF	AT	5
11701 /11669	DEF	AT out-of-place section	DEF	AT	5
12240 /12198	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 489 Date of Summary: 04-DEC-2002 First Sample Examined: 8136 Lease Number: G15632 Source of Paleo: OPERATOR **Borehole MD:** 12243 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12200 **API Well Number:** 608184003300 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 8136 - 12240 Water Depth: 4578 Public Info Code: Y 30-JUN-2005 Paleo ID: Ecozone Eq MMS: N 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description	<u>Ecozone</u>
8136 / 8135	DEF	AT first sample examined	DEF AT
9210 / 9209	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
9450 / 9449	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
9480 / 9479	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9570 / 9569	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
9630 / 9629	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9660 / 9659	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9690 / 9689	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9780 / 9779	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9810 / 9809	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9900 / 9899	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9930 / 9929	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10050 /10049	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10110 /10109	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10140 /10139	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10230 /10228	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10290 /10288	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10350 /10348	DEF	IN salt	DEF AT
11700 /11668	DEF	AT base of salt	DEF AT
11701 /11669	DEF	AT out-of-place section	DEF AT
11800 /11765	POS	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12240 /12198	DEF	AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 489 Date of Summary: 04-DEC-2002 11400 Source of Paleo: OPERATOR Lease Number: G15632 **Borehole MD:** 18170 Paleo Done By: PALEO-DATA, INC. Well Name: 001 **Borehole TVD:** 18082 **API Well Number:** 608184003301 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 11400 - 18170 Water Depth: 4578 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
11400 /11380	DEF	AT first sample examined	DEF	AT
11401 /11381	DEF	IN salt	DEF	AT
12120 /12091	DEF	AT base of salt	DEF	IN 4
12121 /12092	POS	IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN 4
12150 /12121	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN 4
12300 /12271	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 4
12330 /12301	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN 4
12840 /12811	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN 4
13020 /12991	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN 4
13080 /13051	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN 4
13174 /13145	DEF	AT salt	DEF	IN 4
18170 /18082	DEF	AT last sample examined	DEF	IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 489 Date of Summary: 04-DEC-2002 First Sample Examined: 11400 Lease Number: G15632 Source of Paleo: OPERATOR **Borehole MD:** 18170 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18082 **API Well Number:** 608184003301 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 11400 - 18170 Water Depth: 4578 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

	Paleo Top Description		Ecozone
DEF	AT first sample examined	DEF	AT
DEF	IN salt	DEF	AT
DEF	AT base of salt	DEF	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
DEF	IN salt	DEF	AT
DEF	AT last sample examined	DEF	AT
	DEF	DEF AT first sample examined DEF IN salt DEF AT base of salt DEF AT Upper Pliocene (Gelasian) Discoaster brouweri DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus DEF AT Upper Pliocene (Gelasian) Discoaster surculus DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei DEF AT Upper Miocene (Messinian) Discoaster berggrenii DEF AT Upper Miocene (Tortonian) Catinaster coalitus POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus DEF IN salt	DEF AT first sample examined DEF DEF IN salt DEF AT base of salt DEF AT Upper Pliocene (Gelasian) Discoaster brouweri DEF DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus DEF DEF AT Upper Pliocene (Gelasian) Discoaster surculus DEF DEF AT Lower Pliocene (Gelasian) Reticulofenestra pseudoumbilica DEF DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus DEF DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus DEF DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus DEF DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei DEF DEF AT Upper Miocene (Messinian) Discoaster berggrenii DEF DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus DEF DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus DEF DEF IN salt

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: AT 575 Date of Summary: 29-SEP-1995 First Sample Examined: 8110 Lease Number: G08036 Source of Paleo: OPERATOR **Borehole MD:** 19012 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19009 **API Well Number:** 608184000500 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 46 Paleo Report Num: 1 of 2 **Sample Range:** 8110 - 19000 Water Depth: 6220 Public Info Code: Y 26-OCT-2005 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, 16690=Helicosphaera euphratis

MD/TVD		Paleo Top Description		Ecozone
8110 / 8109	DEF	AT first sample examined	DEF	AT
8520 / 8519	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
14040 /14038	DEF	IN Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
14640 /14638	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
14850 /14848	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14890 /14888	POS	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
14900 /14898	POS	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
15290 /15288	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF .	AT
15540 /15538	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF .	AT
15570 /15568	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF .	AT
15970 /15968	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF .	AT
16110 /16108	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF .	AT
16690 /16688	POS	AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF .	AT
16950 /16948	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF .	AT
17250 /17247	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF .	AT
17450 /17447	POS	AT Lower Miocene (Burdigalian) Discoaster calculosus (variety?)	DEF .	AT
17460 /17457	DEF	AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF .	AT
17880 /17877	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF .	AT
18610 /18607	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF .	AT
18700 /18697	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF .	AT
18720 /18717	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF .	AT
19000 /18997	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: AT 575 Date of Summary: 03-OCT-1995 8110 Source of Paleo: OPERATOR Lease Number: G08036 **Borehole MD:** 19012 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 19009 **API Well Number:** 608184000500 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 46 Paleo Report Num: 2 of 2 **Sample Range:** 8110 - 19000 Water Depth: 6220 Public Info Code: Y 26-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	Ecozone
8110 / 8109	DEF	AT first sample examined	DEF	AT	
8111 / 8110	DEF	AT cement	DEF	AT	
8400 / 8399	DEF	AT faunal change (no faunal increase)	DEF	IN	4
8820 / 8819	DEF	AT faunal change (no faunal increase)	POS	IN	4
11790 /11789	DEF	AT faunal change (no faunal increase)	DEF	IN	4
11940 /11939	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	4
12360 /12359	DEF	AT faunal change (no faunal increase)	DEF	IN	4
14130 /14128	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
14860 /14858	DEF	AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	5
14910 /14908	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
15150 /15148	DEF	AT faunal change (no faunal increase)	DEF	IN	4
15510 /15508	POS	IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS	IN	4
15850 /15848	DEF	AT faunal change (no faunal increase)	DEF	IN	4
15860 /15858	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	4
15930 /15928	DEF	AT faunal change (no faunal increase)	DEF	AT	5
16020 /16018	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
16950 /16948	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
17530 /17527	DEF	IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF	AT	5
17590 /17587	POS	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	5
18999 /18996	POS	IN Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	5
19000 /18997	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: BA 397	Date of Summary: 07-MAR-2006	First Sample Examined:	4012
Lease Number: G23160	Source of Paleo: OPERATOR	Borehole MD:	9236
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	7132
API Well Number: 427044035500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation:	87
Paleo Report Num: 1 of 1	Sample Range: 4012 - 9237	Water Depth:	80
Public Info Code: Y 30-NOV-2006	Ecozone Eg MMS: Y	Paleo ID:	001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozo	ne
4012 / 3461	DEF AT first sample examined	DEF AT	1
4600 / 3875	DEF AT	DEF AT 2	2
4630 / 3895	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2	2
6940 / 5442	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2	2
7450 / 5795	DEF AT	DEF AT :	3
8680 / 6699	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT :	3
9236 / 7132	DEF AT last sample examined	DEF AT 3	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 490 Date of Summary: 10-JUN-2003 First Sample Examined: 4890 Source of Paleo: OPERATOR Lease Number: G22193 **Borehole MD:** 16000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15911 **API Well Number:** 427044034200 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 110 Paleo Report Num: 1 of 2 **Sample Range:** 4890 - 16000 Water Depth: 70 Public Info Code: Y 04-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	cozone
4890 / 4890	DEF	AT first sample examined	DEF	AT	2
4920 / 4920	DEF	IN Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	2
5340 / 5340	DEF	AT	DEF	AT	3
5430 / 5430	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	3
5580 / 5580	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	3
5640 / 5640	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
6240 / 6240	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
7110 / 7109	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	AT	3
7620 / 7619	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	3
8100 / 8098	POS	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	3
8820 / 8816	DEF	AT	DEF	AT	4
11670 /11659	DEF	AT	DEF	AT	5
12690 /12677	DEF	AT	DEF	AT	4
13650 /13635	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	4
13710 /13695	DEF	AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT	4
15060 /15036	POS	AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT	4
15450 /15411	POS	AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF	AT	4
15720 /15659	DEF	AT salt	DEF	AT	4
16000 /15911	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 490 Date of Summary: 10-JUN-2003 First Sample Examined: 8820 Source of Paleo: OPERATOR Lease Number: G22193 **Borehole MD:** 16000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15911 **API Well Number:** 427044034200 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 110 Paleo Report Num: 2 of 2 Sample Range: 8820 - 16000 Water Depth: 70 Public Info Code: Y 04-MAY-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8820 / 8816	DEF AT first sample examined	DEF AT
8821 / 8817	DEF IN Middle Miocene (Langhian) Discoaster calculosus	DEF AT
10200 /10196	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13500 /13485	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
16000 /15911	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 494 Date of Summary: 03-DEC-1996 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G06071 **Borehole MD:** 15130 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14049 **API Well Number:** 427044030100 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 99 Paleo Report Num: 1 of 2 **Sample Range:** 11000 - 13700 Water Depth: 87 Public Info Code: Y 26-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Original hole report

MD/TVD		Paleo Top Description		Ec	ozone
11000 /10335	DEF	AT first sample examined	DEF	AT	3
11060 /10390	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	3
12890 /11993	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
13700 /12736	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 494 Date of Summary: 03-DEC-1996 First Sample Examined: 13680 Source of Paleo: OPERATOR Lease Number: G06071 **Borehole MD:** 15130 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14049 **API Well Number:** 427044030100 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 99 Paleo Report Num: 2 of 2 **Sample Range:** 13680 - 15130 Water Depth: 87 Public Info Code: Y 26-JAN-2005 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Sidetrack 1 report, no diagnostic foram markers noted

MD/TVD	Paleo Top Description	Ecozone
13680 /12717	DEF AT first sample examined	DEF AT 3
15130 /14049	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: BA 494	Date of Summary: 12-AUG-1996	First Sample Examined:	0
Lease Number: G06071	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14560
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD:	13835
API Well Number: 427044028900	Drilling Operator: AQUILA ENERGY RESOURCES CORPORATION	Rkb Elevation:	115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	79
Public Info Code: Y 26- IAN-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ecozone
6990 / 6988	DEF	IN Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT
7490 / 7488	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
8500 / 8498	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
12230 /11988	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT
14500 /13784	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: BA 541	Date of Summary: 12-OCT-1999	First Sample Examined:	0
Lease Number: G14812	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8775
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8493
API Well Number: 427044032200	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation:	95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	108
Public Info Code: Y 14-AUG-2006	Ecozone Ea MMS:	Paleo ID:	001

MD/TVD		Paleo Top Description		Ecozone
4795 / 4795	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF /	ΑT
5830 / 5830	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF /	ΑT
6637 / 6626	DEF	AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF /	ΑT
7270 / 7217	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF /	ΑT

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Paleo for Public Release (Date Specific)

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 542 Date of Summary: 07-AUG-2000 First Sample Examined: 10500 Source of Paleo: OPERATOR Lease Number: G12465 **Borehole MD:** 18535 Well Name: 003 Paleo Done By: PALEO CONTROL INC. **Borehole TVD:** 18506 **API Well Number:** 427044032400 **Drilling Operator: COCKRELL OIL CORPORATION Rkb Elevation:** 94 Paleo Report Num: 1 of 2 **Sample Range:** 4200 - 18538 Water Depth: 123 Public Info Code: Y 01-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	cozone
10500 /10498	DEF	AT first sample examined	DEF	IN	2
10501 /10499	DEF	IN Middle Miocene (Serravallian) Textularia "W"	DEF	IN	2
11010 /11008	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	2
12000 /11997	DEF	AT	DEF	AT	3
12240 /12237	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	3
12420 /12417	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	3
12510 /12507	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	3
12630 /12627	DEF	AT	DEF	IN	2
13230 /13227	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	2
14220 /14215	DEF	AT	DEF	AT	2
14730 /14725	DEF	AT	POS	AT	2
14880 /14875	DEF	AT	DEF	AT	2
14910 /14905	DEF	AT	POS	AT	2
15270 /15265	DEF	AT	DEF	AT	2
15330 /15325	DEF	AT	POS	AT	2
15600 /15595	DEF	AT	DEF	AT	2
15690 /15685	DEF	AT	POS	AT	2
16080 /16075	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	2
16140 /16135	DEF	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	2
16440 /16435	DEF	AT	DEF	IN	2
16500 /16495	DEF	AT	DEF	AT	2
16530 /16525	DEF	AT	POS	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA 542 Date of Summary: 07-AUG-2000 First Sample Examined: 10500 Source of Paleo: OPERATOR Lease Number: G12465 **Borehole MD:** 18535 Well Name: 003 Paleo Done By: PALEO CONTROL INC. **Borehole TVD:** 18506 **API Well Number:** 427044032400 **Drilling Operator: COCKRELL OIL CORPORATION Rkb Elevation:** 94 Paleo Report Num: 1 of 2 Sample Range: 4200 - 18538 Water Depth: 123 Public Info Code: Y 01-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Eco	ozone
17189 /17183	DEF	AT unconformity	DEF	AT	4
17190 /17184	POS	AT faunal change (no faunal increase)	DEF	AT	4
17191 /17185	POS	IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
17400 /17393	DEF	AT	POS	AT	4
17640 /17630	DEF	AT drilling material	DEF	AT	
17670 /17660	DEF	AT	DEF	AT	4
17790 /17778	DEF	IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
18150 /18132	DEF	AT	POS	AT	4
18510 /18482	DEF	AT last sample examined	POS	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: BA 542	Date of Summary: 02-OCT-2000	First Sample Examined:	0
Lease Number: G12465	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	18535
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD:	18506
API Well Number: 427044032400	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation:	94
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth:	123
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12510 /12507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
16140 /16135	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
17190 /17184	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: BA A 21 Date of Summary: 29-APR-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G08120 **Borehole MD:** 12380 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 10241 **API Well Number:** 427044030700 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 121 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 122 Public Info Code: Y 22-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8157 / 7558	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8804 / 7966	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
10908 / 9297	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: BA A 21 Date of Summary: 19-JUL-2001

Lease Number: G08120 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: B001 Paleo Done By: OPERATOR

API Well Number: 427044029400 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 22-JAN-2006 Ecozone Eq MMS:

	•
Borehole MD:	10685
Borehole TVD:	9600
Rkb Elevation:	121
Water Depth:	122
Paleo ID:	001

First Sample Examined:

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6156 / 6154	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7803 / 7786	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: BA A 21 Date of Summary: 28-AUG-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G08120 **Borehole MD:** 11890 Paleo Done By: OPERATOR Well Name: B002 **Borehole TVD:** 9309 **API Well Number:** 427044030000 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 80 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 125

Remark: In=sand

Public Info Code: Y 24-AUG-2006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6330 / 5778	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8553 / 7413	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: BA A 47 Date of Summary: 29-DEC-1998 First Sample Examined: Lease Number: G03940 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9954 Paleo Done By: OPERATOR Well Name: A005 **Borehole TVD:** 7925 **API Well Number:** 427054014000 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:**

> 99 Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 140

Public Info Code: Y 30-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone** DEF IN Middle Miocene (Serravallian) Textularia "W" DEF AT 8338 / 7097

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 177 Date of Summary: 01-JUN-1997 First Sample Examined: 11000 Lease Number: G10445 Source of Paleo: OPERATOR **Borehole MD:** 14006 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 13752 **API Well Number:** 608234000300 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 14000 Water Depth: 6740 Public Info Code: Y 26-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, paleoenvironments also poorly controlled, but generally

indicate upper slope

MD/TVD		Paleo Top Description		Ecc	ozone
11000 /10944	DEF	AT first sample examined	DEF	AT	3
11060 /11000	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	4
11120 /11055	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	POS	AT	4
11270 /11193	DEF	AT	DEF	AT	4
11300 /11220	DEF	AT Upper Miocene (Tortonian) Discoaster bellus	POS	AT	4
11360 /11275	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	POS	AT	4
11540 /11441	DEF	AT	DEF	AT	3
11570 /11469	DEF	AT	DEF	AT	4
11660 /11551	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	4
11720 /11606	DEF	AT	POS	AT	4
11960 /11826	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	POS	AT	4
12050 /11909	DEF	AT	DEF	AT	4
12140 /11991	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	4
12260 /12102	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	4
12320 /12158	DEF	AT	DEF	AT	5
12350 /12186	DEF	AT	DEF	AT	4
12830 /12635	DEF	AT	POS	AT	4
12920 /12720	DEF	IN Upper Miocene (Tortonian) Discoaster exilis	POS	AT	4
12950 /12748	DEF	AT	DEF	AT	3
13010 /12805	DEF	AT	DEF	AT	5
13040 /12833	DEF	AT	POS	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 177 Date of Summary: 01-JUN-1997 First Sample Examined: 11000 Lease Number: G10445 Source of Paleo: OPERATOR **Borehole MD:** 14006 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 13752 **API Well Number:** 608234000300 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 14000 Water Depth: 6740 Public Info Code: Y 26-APR-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Ec	ozone
13100 /12890	DEF	AT	DEF	AT	4
13190 /12975	DEF	AT	POS	AT	5
13220 /13004	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS	AT	5
13340 /13118	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	3
13400 /13175	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	3
13460 /13232	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT	3
13550 /13318	DEF	AT	POS	AT	3
13580 /13346	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS	AT	3
13670 /13432	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	3
13700 /13460	DEF	AT	POS	AT	3
13850 /13603	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	POS	AT	3
13970 /13718	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS	AT	3
14000 /13746	DEF	AT last sample examined	POS	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 927 Date of Summary: 17-APR-2003 First Sample Examined: 11400 Lease Number: G10480 Source of Paleo: OPERATOR **Borehole MD:** 19285 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19279 **API Well Number:** 608234000500 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 11400 - 19285 Water Depth: 8469 Public Info Code: Y 13-MAY-2005 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, 17480=Paleocene Cruciplacolithus edwardsii

MD/TVD	Paleo Top Description	Ecozone
11400 /11399	DEF AT first sample examined DE	EF AT
12590 /12589	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus DE	EF AT
12680 /12679	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus DE	EF AT
12800 /12799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii DE	EF AT
12860 /12859	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	EF AT
13010 /13009	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	EF AT
13380 /13379	DEF AT Upper Miocene (Tortonian) Discoaster bollii DE	EF AT
13680 /13679	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	EF AT
13890 /13889	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	EF AT
15150 /15148	DEF AT sample gap top DE	EF AT
15389 /15387	DEF AT sample gap bottom DE	EF AT
15390 /15388	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	EF AT
15510 /15508	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	EF AT
16520 /16517	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta DE	EF AT
16820 /16817	DEF AT out-of-place section DE	EF AT
16850 /16847	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos DE	EF AT
16970 /16967	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	EF AT
17000 /16997	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	EF AT
17180 /17177	DEF AT out-of-place section DE	EF AT
17300 /17297	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	EF AT
17330 /17327	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis DE	EF AT
17360 /17357	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus DE	EF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 927 Date of Summary: 17-APR-2003 First Sample Examined: 11400 Lease Number: G10480 Source of Paleo: OPERATOR **Borehole MD:** 19285 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19279 **API Well Number:** 608234000500 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 11400 - 19285 Water Depth: 8469 Public Info Code: Y 13-MAY-2005 Paleo ID: **Ecozone Eq MMS:** 002

MD/TVD		Paleo Top Description		<u>Ecozone</u>
17390 /17387	DEF	AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF	AT
17420 /17417	DEF	AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	AT
17480 /17476	DEF	AT local marker floral increase	DEF	AT
17540 /17536	DEF	IN Upper Cretaceous (Maastrichtian) Micula decussata	DEF	AT
17600 /17596	DEF	AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF	AT
17990 /17986	DEF	AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF	AT
18140 /18136	DEF	IN Lower Cretaceous (Aptian) Conusphaera mexicana	DEF	AT
19285 /19279	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 927 First Sample Examined: 11400 Date of Summary: 22-APR-2003 Lease Number: G10480 Source of Paleo: OPERATOR **Borehole MD:** 19285 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19279 **API Well Number:** 608234000500 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 11400 - 19285 Water Depth: 8469 Public Info Code: Y 13-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: The interval from 17210 to 18140 is a stacked condensed section with multiple unconformities and/or faulting events, 17540=lowermost

Maastrichtian Globorotalia ventricosa with Globotruncana fornicata and Globotruncana lapparenti, 17570=in Turonian Helvetoglobotruncana helvetica

with Dicarinella algeriana, 18260=lithologic change, with coral fragments observed sporadically over the interval 18260 to 19070

MD/TVD		Paleo Top Description		<u> </u>	cozone
11400 /11399	DEF	AT first sample examined	DEF	AT	5
12530 /12529	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	5
12560 /12559	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
12590 /12589	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	5
12680 /12679	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	5
12890 /12889	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	5
13500 /13499	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	5
13710 /13709	DEF	AT	DEF	AT	5
14130 /14129	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
15150 /15148	DEF	AT sample gap top	POS	AT	5
15389 /15387	DEF	AT sample gap bottom	DEF	AT	5
15390 /15388	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
15420 /15418	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
15450 /15448	DEF	AT	DEF	IN	5
15540 /15538	DEF	AT	DEF	AT	5
16160 /16158	DEF	AT	DEF	IN	5
16610 /16607	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	5
16880 /16877	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	5
16910 /16907	DEF	AT	DEF	AT	5
17209 /17206	DEF	AT condensed section	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: DC 927 Date of Summary: 22-APR-2003 First Sample Examined: 11400 Lease Number: G10480 Source of Paleo: OPERATOR **Borehole MD:** 19285 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19279 **API Well Number:** 608234000500 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 11400 - 19285 Water Depth: 8469 Public Info Code: Y 13-MAY-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Eco	ozone
17210 /17207	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	5
17270 /17267	DEF	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	5
17330 /17327	DEF	IN Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF	AT	5
17390 /17387	DEF	AT Lower Eocene (Ypresian) Morozovella quetra	DEF	AT	5
17480 /17476	DEF	AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF	AT	5
17540 /17536	DEF	IN Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF	AT	5
17570 /17566	DEF	AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF	AT	5
17600 /17596	DEF	AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF	AT	5
17720 /17716	DEF	AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF	AT	5
17840 /17836	POS	AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF	AT	4
17870 /17866	DEF	AT	DEF	AT	3
18140 /18136	DEF	AT	DEF	AT	2
18260 /18255	DEF	AT reefal material	DEF	AT	2
18440 /18435	DEF	AT	DEF	AT	1
19285 /19279	DEF	AT last sample examined	DEF	AT	1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 624 Date of Summary: 25-FEB-2003 First Sample Examined: 6030 Source of Paleo: OPERATOR Lease Number: G19031 **Borehole MD:** 7637 Well Name: SS001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7332 **API Well Number:** 608044022200 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 60 Paleo Report Num: 1 of 2 **Sample Range:** 6030 - 7637 Water Depth: 3540 Public Info Code: Y 30-SEP-2007 Ecozone Eq MMS: N Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
6030 / 6025	DEF	AT first sample examined	DEF	AT
6031 / 6026	DEF	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
6090 / 6084	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
6210 / 6199	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
6270 / 6256	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
6390 / 6368	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
6450 / 6423	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
6570 / 6531	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
6750 / 6683	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
7020 / 6890	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
7050 / 6912	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
7230 / 7040	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
7260 / 7062	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
7380 / 7148	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
7637 / 7332	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 624 Date of Summary: 26-FEB-2003 First Sample Examined: 6030 Source of Paleo: OPERATOR Lease Number: G19031 **Borehole MD:** 7637 Well Name: SS001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7332 **API Well Number:** 608044022200 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 60 Paleo Report Num: 2 of 2 **Sample Range:** 6030 - 7637 Water Depth: 3540 Public Info Code: Y 30-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
6030 / 6025	DEF	AT first sample examined	DEF A	T 6
6031 / 6026	DEF	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF A	T 6
6210 / 6199	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF A	T 6
6450 / 6423	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF A	T 6
6630 / 6583	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	T 6
7109 / 6954	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF A	T 6
7110 / 6955	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	T 6
7140 / 6976	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF A	T 6
7170 / 6998	DEF	AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF A	T 6
7230 / 7040	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF A	T 6
7380 / 7148	DEF	AT	DEF A	T 5
7440 / 7191	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF A	T 5
7637 / 7332	DEF	AT last sample examined	DEF A	T 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EB 642 Date of Summary: 13-JAN-1998 5594 Source of Paleo: OPERATOR Lease Number: G09184 **Borehole MD:** 11642 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11028 **API Well Number:** 608044016800 Drilling Operator: READING & BATES DEVELOPMENT CO **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 5594 - 11620 Water Depth: 3668 Public Info Code: Y 18-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	cozone
5594 / 5594	DEF	AT first sample examined	DEF	AT	4
5595 / 5595	POS	IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	4
7030 / 7030	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	4
7690 / 7690	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
8020 / 8020	DEF	AT local marker foram decrease	DEF	IN	5
8200 / 8200	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5
8350 / 8350	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
8500 / 8500	DEF	AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	IN	5
8920 / 8920	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
9220 / 9217	DEF	AT faunal change (no faunal increase)	DEF	AT	5
10270 /10170	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
11590 /11002	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
11620 /11017	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 642 Date of Summary: 13-JAN-1998 First Sample Examined: 5594 Lease Number: G09184 Source of Paleo: OPERATOR **Borehole MD:** 11642 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11028 **API Well Number:** 608044016800 Drilling Operator: READING & BATES DEVELOPMENT CO **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 5594 - 11620 Water Depth: 3668 Public Info Code: Y 18-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
5594 / 5594	DEF	AT first sample examined	DEF	AT
5595 / 5595	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
7690 / 7690	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
7720 / 7720	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
8350 / 8350	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
8410 / 8410	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
10270 /10170	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
10810 /10564	DEF	AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
11470 /10942	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
11620 /11017	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EB 688 Date of Summary: 22-APR-1997 First Sample Examined: 0

Lease Number: G09191Source of Paleo: COMPLETION REPORT (WELL SUMMARY)Borehole MD:10350Well Name: 002Paleo Done By: OPERATORBorehole TVD:9684

Well Name:002Paleo Done By: OPERATORBorehole TVD:9684API Well Number:608044016401Drilling Operator: READING & BATES DEVELOPMENT CORkb Elevation:85

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 3752

Public Info Code: Y 02-APR-2007 Ecozone Eq MMS: Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8873 / 8477	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9370 / 8873	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 712 Date of Summary: 19-FEB-2003 First Sample Examined: 6030 Lease Number: G23244 Source of Paleo: OPERATOR **Borehole MD:** 8200 Well Name: SS001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8199 **API Well Number:** 608044021500 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 60 Paleo Report Num: 1 of 2 **Sample Range:** 6030 - 8190 Water Depth: 3672 Public Info Code: Y 27-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TV	<u>'D</u>	Paleo Top Description		E	cozone
6030 / 60	029 DEF	AT first sample examined	DEF	AT	5
6031 / 60	030 DEF	IN Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	5
6150 / 61	149 DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
6300 / 62	299 DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
6420 / 64	419 POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
6450 / 64	449 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
6480 / 64	479 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
6510 / 65	509 DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
7290 / 72	POS POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
7530 / 75	529 DEF	AT	DEF	IN	4
7740 / 77	739 POS	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	IN	4
8190 / 81	189 DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 712 Date of Summary: 19-FEB-2003 First Sample Examined: 6030 Source of Paleo: OPERATOR Lease Number: G23244 **Borehole MD:** 8200 Well Name: SS001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8199 **API Well Number:** 608044021500 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 60 Paleo Report Num: 2 of 2 **Sample Range:** 6030 - 8190 Water Depth: 3672 Public Info Code: Y 27-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
6030 / 6029	DEF	AT first sample examined	DEF	AT
6031 / 6030	DEF	IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
6150 / 6149	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
6180 / 6179	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
6210 / 6209	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
6270 / 6269	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
6300 / 6299	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
6330 / 6329	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
6440 / 6439	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
6480 / 6479	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
6496 / 6495	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
6510 / 6509	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
7290 / 7289	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
7380 / 7379	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
7650 / 7649	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
7740 / 7739	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
7940 / 7939	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
8010 / 8009	DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT
8190 / 8189	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 946 Date of Summary: 01-FEB-1996 First Sample Examined: 6570 Source of Paleo: OPERATOR Lease Number: G08211 **Borehole MD:** 11100 Paleo Done By: OPERATOR Well Name: DA003 **Borehole TVD:** 10818 **API Well Number:** 608044016200 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 6570 - 11330 Water Depth: 4653 Public Info Code: Y 25-MAR-2006 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
6750 / 6750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
7290 / 7273	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8510 / 8323	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
8570 / 8375	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
8630 / 8427	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
8930 / 8694	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9470 / 9199	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10850 /10568	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
10970 /10688	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11330 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EB 946 Date of Summary: 01-APR-1996 First Sample Examined: 6570 Source of Paleo: OPERATOR Lease Number: G08212 **Borehole MD:** 11586 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11257 **API Well Number:** 608044016300 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 6570 - 11587 Water Depth: 4653 Public Info Code: Y 02-MAY-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8580 / 8393	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8700 / 8496	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9240 / 8968	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10830 /10501	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11370 /11041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
11550 /11221	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11587 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 38	Date of Summary: 11-OCT-1998	First Sample Examined:	0
Lease Number: G02562	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12511
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD:	12343
API Well Number: 177034085900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation:	85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	40
Public Info Code: Y 16-SEP-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6038 / 6036	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
7608 / 7543	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8079 / 7988	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8723 / 8596	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9568 / 9410	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9973 / 9810	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11893 /11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 38 Date of Summary: 08-JAN-1999 First Sample Examined: 4055 Source of Paleo: OPERATOR Lease Number: G02562 **Borehole MD:** 11080 Well Name: 007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11079 **API Well Number:** 177034086000 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 4055 - 16020 Water Depth: 42 Public Info Code: Y 16-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
4055 / 4055	DEF	AT first sample examined	DEF	AT	1
5370 / 5370	DEF	AT	DEF	AT	2
5550 / 5550	POS	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
6720 / 6720	POS	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
6900 / 6900	DEF	AT Upper Miocene (Tortonian) Bigenerina "B"	DEF	AT	2
7440 / 7440	POS	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	2
7860 / 7860	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
8340 / 8340	DEF	AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF	AT	3
8430 / 8430	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT	3
8969 / 8968	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	3
8970 / 8969	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	3
9000 / 8999	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	3
9300 / 9299	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
9360 / 9359	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	3
9540 / 9539	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	3
10470 /10469	POS	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
10560 /10559	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	3
11080 /11079	DEF	AT last sample examined	DEF	AT	3

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 38 Date of Summary: 08-JAN-1999 First Sample Examined: 11080 Source of Paleo: OPERATOR Lease Number: G02562 **Borehole MD:** 16050 Well Name: 007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16048 **API Well Number:** 177034086001 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 11080 - 16020 Water Depth: 42 Public Info Code: Y 16-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone	
11080 /11079	DEF AT first sample examined	DEF AT 3	
11081 /11080	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 3	
11219 /11218	DEF AT local marker benthic foram increase	DEF AT 3	
11220 /11219	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3	
12180 /12178	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3	
13080 /13078	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3	
13770 /13768	DEF AT local marker benthic foram increase	DEF AT 3	
14010 /14008	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3	
16020 /16017	DEF AT last sample examined	DEF AT 3	

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 38	Date of Summary: 05-MAY-2000	First Sample Examined:	0
Lease Number: G02562	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10202
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD:	10201
API Well Number: 177034087800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation:	121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	45
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6560 / 6560	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7590 / 7590	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9455 / 9454	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 40	Date of Summary: 26-NOV-2001	First Sample Examined:	0
Lease Number: G21570	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	18000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	17936
API Well Number: 177034091000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	45
Public Info Code: Y 30-JUN-2005	Ecozone Ea MMS:	Paleo ID:	001

MD/TVD		Paleo Top Description		Ecozone
9090 / 9090	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT
9480 / 9480	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT
9570 / 9570	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT
10890 /10889	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT
12840 /12839	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
15480 /15479	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT
17220 /17191	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 57	Date of Summary: 03-JAN-1995	First Sample Examined:	0
Lease Number: G03289	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15142
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD:	15140
API Well Number: 177034067700	Drilling Operator: CONOCO INC	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	46
Public Info Code: Y 02-JAN-2005	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
10290 /10290	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12120 /12119	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13020 /13019	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 104	Date of Summary: 25-JUN-2001	First Sample Examined:	0
Lease Number: G21572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10539
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8587
API Well Number: 177034089300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation:	89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	65
Public Info Code: Y 28-JUN-2005	Facozone Fa MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3600 / 3600	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5463 / 5433	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7090 / 6727	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 104 Date of Summary: 25-JUN-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G21572 **Borehole MD:** 10057 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 7983 **API Well Number:** 177034089700 Drilling Operator: WESTPORT OIL AND GAS COMPANY LP **Rkb Elevation:** 89 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 65 Public Info Code: Y 28-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5448 / 5417	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8900 / 7409	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 7886	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 126 Date of Summary: 11-AUG-2003 First Sample Examined: 7680 Source of Paleo: OPERATOR Lease Number: G22583 **Borehole MD:** 16214 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15100 **API Well Number: 177034095401 Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 7680 - 16200 Water Depth: 77 Public Info Code: Y 30-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
7680 / 7676	DEF	AT first sample examined	DEF IN	N 3
7710 / 7706	POS	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN	N 3
7890 / 7886	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN	N 3
8790 / 8786	DEF	AT	DEF A	AT 4
9480 / 9476	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF A	AT 4
11250 /11115	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF A	AT 4
13050 /12523	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF A	AT 4
13890 /13206	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF A	AT 4
14310 /13549	DEF	AT	DEF A	AT 5
14400 /13623	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	AT 5
14490 /13696	DEF	AT	DEF A	AT 4
15450 /14476	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	AT 5
15480 /14500	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF A	AT 5
16200 /15089	DEF	AT last sample examined	DEF A	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Source of Paleo: OPERATOR Lease Number: G21575 **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Poblano Prospect, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	ozone
5190 / 5190	DEF	AT first sample examined	DEF	IN	1
5280 / 5280	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	2
5310 / 5310	DEF	AT faunal change (no faunal increase)	DEF	IN	1
5340 / 5340	DEF	AT faunal change (no faunal increase)	DEF	AT	2
5370 / 5370	DEF	AT faunal change (no faunal increase)	DEF	IN	1
5460 / 5460	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	1
5910 / 5910	DEF	AT local marker foram decrease	DEF	IN	1
6180 / 6180	DEF	AT local marker benthic foram increase	DEF	AT	2
6240 / 6240	DEF	AT local marker foram decrease	DEF	AT	2
6360 / 6360	DEF	AT faunal change (no faunal increase)	DEF	IN	1
6810 / 6810	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	2
6840 / 6840	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	IN	1
6900 / 6900	DEF	AT faunal change (no faunal increase)	DEF	AT	2
6930 / 6930	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	2
6960 / 6960	DEF	AT faunal change (no faunal increase)	DEF	IN	1
6990 / 6990	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	2
7050 / 7050	DEF	AT local marker foram decrease	DEF	AT	2
7080 / 7080	DEF	AT faunal change (no faunal increase)	DEF	IN	1
7500 / 7499	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT	2
7830 / 7829	DEF	AT faunal change (no faunal increase)	DEF	IN	1
7980 / 7979	DEF	AT faunal change (no faunal increase)	DEF	IN	2
8010 / 8009	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	2

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Eag-ana

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Source of Paleo: OPERATOR Lease Number: G21575 **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD_		Paleo Top Description		Ecoz	zone
8100 / 8098	DEF	AT local marker foram decrease	DEF	IN	2
8310 / 8308	DEF	AT faunal change (no faunal increase)	DEF	AT	2
8610 / 8608	DEF	AT local marker benthic foram increase	DEF	AT	2
8670 / 8668	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT	3
8700 / 8698	DEF	AT faunal change (no faunal increase)	DEF	IN	2
8760 / 8758	DEF	AT local marker foram decrease	DEF	AT	2
8910 / 8908	POS	AT local marker benthic foram increase	DEF	AT	2
9060 / 9057	DEF	AT faunal change (no faunal increase)	DEF	IN	2
9150 / 9147	DEF	AT faunal change (no faunal increase)	DEF	AT	2
9270 / 9267	POS	AT local marker benthic foram increase	DEF	AT	2
9300 / 9297	DEF	AT faunal change (no faunal increase)	DEF	IN	2
9330 / 9327	DEF	AT faunal change (no faunal increase)	DEF	AT	2
9389 / 9386	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
9390 / 9387	DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	3
9510 / 9507	DEF	AT pyrite	DEF	AT	3
9660 / 9657	DEF	AT faunal change (no faunal increase)	DEF	IN	2
9690 / 9687	DEF	AT faunal change (no faunal increase)	DEF	AT	3
9750 / 9747	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	3
9900 / 9897	DEF	AT local marker foram decrease	DEF	AT	3
10200 /10197	DEF	AT faunal change (no faunal increase)	DEF	IN	2
10230 /10227	POS	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	IN	2
10260 /10257	DEF	AT faunal change (no faunal increase)	DEF	AT	3
10290 /10287	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	3
10380 /10377	DEF	AT local marker foram decrease	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Source of Paleo: OPERATOR Lease Number: G21575 **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

WD/TVD_		Paleo Top Description		ECC	ozone
10500 /10497	DEF	IN Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
10860 /10856	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	3
10979 /10975	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
10980 /10976	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
11070 /11066	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
11160 /11156	DEF	AT local marker planktic foram increase	DEF	AT	3
11190 /11186	DEF	AT pyrite	DEF	AT	3
11250 /11246	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11280 /11276	DEF	AT faunal change (no faunal increase)	DEF	AT	3
11640 /11636	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
11699 /11695	DEF	AT cement	DEF	IN	2
11700 /11696	DEF	AT local marker foram decrease	DEF	IN	2
11760 /11756	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	IN	3
11849 /11845	DEF	AT pyrite	DEF	AT	3
11850 /11846	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	3
12030 /12026	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
12060 /12056	DEF	AT local marker benthic foram increase	DEF	AT	3
12150 /12146	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12270 /12266	DEF	AT local marker foram decrease	DEF	AT	3
12360 /12356	DEF	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	IN	3
12419 /12415	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	IN	3
12420 /12416	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	3
12540 /12536	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12690 /12686	DEF	AT local marker foram decrease	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Source of Paleo: OPERATOR Lease Number: G21575 **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

MID/ IVD		Paleo Top Description		ECOZ	zone
12750 /12746	DEF	AT local marker benthic foram increase	DEF	AT	4
12900 /12896	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12990 /12986	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13080 /13076	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
13170 /13166	DEF	AT local marker foram increase	DEF	AT	4
13380 /13375	DEF	AT local marker deep water fauna	DEF	IN	4
13470 /13465	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4
13529 /13524	DEF	AT local marker foram decrease	DEF	AT	3
13530 /13525	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	3
13620 /13615	DEF	AT Bathysiphon fauna	DEF	AT	3
13740 /13735	DEF	AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF	AT	4
13829 /13824	DEF	AT siltstone	DEF	AT	3
13830 /13825	DEF	AT local marker foram decrease	DEF	AT	3
13860 /13855	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
13920 /13915	DEF	AT Upper Miocene (Tortonian) Bigenerina "B"	DEF	AT	3
14130 /14125	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	3
14232 /14227	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	IN	3
14250 /14245	DEF	AT foram flood	DEF	IN	3
14280 /14275	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	IN	3
14310 /14305	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14339 /14334	DEF	AT foram flood	DEF	IN	3
14340 /14335	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	3
14760 /14755	DEF	AT foram flood	DEF	IN	3
14768 /14763	DEF	AT foram flood	DEF	IN	3

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Lease Number: G21575 Source of Paleo: OPERATOR **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD		Paleo Top Description		Ec	ozone
14820 /14815	DEF	AT local marker foram decrease	DEF	AT	3
14969 /14964	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	3
14970 /14965	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	3
15030 /15025	DEF	AT local marker foram decrease	DEF	IN	3
15150 /15145	DEF	AT local marker benthic foram increase	DEF	IN	3
15209 /15203	DEF	AT siltstone	DEF	IN	3
15210 /15204	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
15270 /15264	DEF	AT local marker deep water fauna	DEF	AT	4
15330 /15324	DEF	AT local marker foram decrease	DEF	AT	3
15360 /15354	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	3
15390 /15384	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	3
15420 /15414	DEF	AT local marker deep water fauna	DEF	IN	4
15450 /15444	DEF	AT local marker foram increase	DEF	IN	4
15480 /15474	DEF	AT local marker benthic foram increase	DEF	IN	4
15540 /15534	DEF	AT deepwater facies Harang	DEF	AT	4
15570 /15564	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
15630 /15624	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
15690 /15684	DEF	AT local marker foram decrease	DEF	AT	4
15870 /15864	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
15930 /15924	DEF	AT local marker benthic foram increase	DEF	AT	3
15960 /15954	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15990 /15984	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
16020 /16014	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16050 /16044	DEF	AT local marker planktic foram increase	DEF	AT	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 22-SEP-2004 First Sample Examined: 15190 Lease Number: G21575 Source of Paleo: OPERATOR **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number: 177034097300** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: Ecozone Eq MMS: Y 002

		Paleo Top Description			cozone
16110 /16104	DEF	AT local marker foram decrease	DEF	IN	3
16140 /16134	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16320 /16314	DEF	AT local marker foram decrease	DEF	AT	4
16380 /16374	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16410 /16404	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16440 /16434	DEF	AT local marker foram decrease	DEF	AT	3
16470 /16464	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16500 /16494	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16530 /16524	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	IN	4
16560 /16554	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
16620 /16614	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16710 /16704	DEF	AT local marker foram decrease	DEF	AT	3
16890 /16884	POS	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	AT	4
17000 /16994	DEF	AT last sample examined	DEF	AT	4

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 04-OCT-2004 Area Block: EC 137 First Sample Examined: 9480 Lease Number: G21575 Source of Paleo: OPERATOR **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 100 Paleo Report Num: 2 of 2 **Sample Range:** 9480 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Poblano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
9480 / 9477	DEF	AT first sample examined	DEF	AT
9481 / 9478	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
9720 / 9717	DEF	AT local marker floral increase	DEF	AT
9780 / 9777	DEF	AT local marker floral increase	DEF	AT
10050 /10047	DEF	AT local marker floral decrease	DEF	AT
10110 /10107	POS	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10170 /10167	DEF	AT local marker floral decrease	DEF	AT
10470 /10467	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10680 /10676	DEF	AT local marker floral decrease	DEF	AT
11160 /11156	DEF	AT local marker floral increase	DEF	AT
11380 /11376	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
11560 /11556	DEF	AT local marker floral decrease	DEF	AT
11820 /11816	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11940 /11936	DEF	AT local marker floral decrease	DEF	AT
12120 /12116	POS	AT local marker floral increase	DEF	AT
12720 /12716	DEF	AT local marker floral increase	DEF	AT
12960 /12956	DEF	AT local marker floral decrease	DEF	AT
13740 /13735	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
13860 /13855	DEF	AT local marker floral decrease	DEF	AT
14160 /14155	DEF	AT local marker floral increase	DEF	AT
14232 /14227	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
14370 /14365	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 137 Date of Summary: 04-OCT-2004 First Sample Examined: 9480 Lease Number: G21575 Source of Paleo: OPERATOR **Borehole MD:** 17000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16995 **API Well Number:** 177034097300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 2 of 2 **Sample Range:** 9480 - 17000 Water Depth: 81 Public Info Code: Y 06-APR-2005 Paleo ID: **Ecozone Eq MMS:** 001

MD/TVD		Paleo Top Description		Ecozone
14550 /14545	DEF	AT local marker floral decrease	DEF	AT
14790 /14785	DEF	AT local marker floral increase	DEF	AT
14850 /14845	DEF	AT local marker floral decrease	DEF	AT
14970 /14965	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
15090 /15085	DEF	AT local marker floral decrease	DEF	AT
15330 /15324	DEF	AT local marker floral increase	DEF	AT
15390 /15384	DEF	AT local marker floral decrease	DEF	AT
15450 /15444	DEF	AT local marker floral increase	DEF	AT
15510 /15504	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
15630 /15624	DEF	AT local marker floral decrease	DEF	AT
15690 /15684	DEF	AT reworked material	DEF	AT
15930 /15924	POS	AT local marker floral increase	DEF	AT
16080 /16074	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
16200 /16194	DEF	AT local marker floral decrease	DEF	AT
16260 /16254	DEF	AT local marker floral increase	DEF	AT
16410 /16404	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
16470 /16464	DEF	AT local marker floral decrease	DEF	AT
16590 /16584	DEF	AT local marker floral increase	DEF	AT
16710 /16704	DEF	AT local marker floral decrease	DEF	AT
16890 /16884	POS	AT local marker floral increase	DEF	AT
16950 /16944	DEF	AT local marker floral decrease	DEF	AT
17000 /16994	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 142 Date of Summary: 19-APR-2001 0 Lease Number: G16239 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9400 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 8811 **API Well Number:** 177034088900 Drilling Operator: TRANSWORLD EXPLORATION AND PRODUCTION INC **Rkb Elevation:** 94 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 75 Public Info Code: Y 17-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6782 / 6537	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8470 / 8000	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
9243 / 8672	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 157 Date of Summary: 16-DEC-1996 First Sample Examined: 7010 Source of Paleo: OPERATOR Lease Number: G12831 **Borehole MD:** 9957 Well Name: A005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8726 **API Well Number:** 177034081800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 127 Paleo Report Num: 1 of 2 **Sample Range:** 7010 - 9950 Water Depth: 76 Public Info Code: Y 08-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

M	D/TVD		Paleo Top Description		Ecozone
7010	0 / 6151	DEF	AT first sample examined	DEF	AT
7520	0 / 6571	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
8510	0 / 7401	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9500	0 / 8289	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
9650	0 / 8431	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
9950	0 / 8719	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 157 Date of Summary: 18-DEC-1996 First Sample Examined: 3832 Source of Paleo: OPERATOR Lease Number: G12831 **Borehole MD:** 9957 Well Name: A005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8726 **API Well Number:** 177034081800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 127 Paleo Report Num: 2 of 2 **Sample Range:** 3832 - 9950 Water Depth: 76 Public Info Code: Y 08-NOV-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/T	VD	Paleo Top Description		Eco	zone
3830 / 3	3499 DE	F AT first sample examined	DEF	AT	1
5870 / 5	5200 PC	S AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	1
5960 / 5	5276 DE	F AT	DEF	AT	2
7250 / 6	6350 PC	S AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
8450 / 7	7349 DE	F AT	DEF	AT	3
8570 / 7	7454 PC	S AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
9260 / 8	8067 DE	F AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	3
9380 / 8	8178 PC	S AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	3
9500 / 8	8289 DE	F AT	DEF	AT	4
9560 / 8	8346 PC	S AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
9620 / 8	8403 DE	F AT	DEF	AT	6
9800 / 8	8574 DE	F AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT	6
9920 / 8	8690 DE	F AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	6
9950 / 8	8719 DE	F AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 157	Date of Summary: 07-MAR-1997	First Sample Examined:	0
Lease Number: G12831	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11260
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD:	9987
API Well Number: 177034082100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation:	127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	76
Public Info Code: Y 08-NOV-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5570 / 5377	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7010 / 6558	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10610 / 9457	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 171 Date of Summary: 01-MAY-1996 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G12836 **Borehole MD:** 13700 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A001 **Borehole TVD:** 13634 **API Well Number:** 177034080500 Drilling Operator: EL PASO PRODUCTION GOM INC **Rkb Elevation:** 149 Paleo Report Num: 1 of 1 **Sample Range:** 8000 - 13700 Water Depth: 80 Public Info Code: Y 29-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
8000 / 7999	DEF	AT first sample examined	DEF	AT	1
8090 / 8089	POS	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	1
8570 / 8569	DEF	AT shell fragments	DEF	AT	1
9230 / 9229	DEF	AT faunal change (no faunal increase)	DEF	IN	1
9290 / 9289	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	1
9350 / 9349	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	1
9799 / 9798	POS	AT unconformity	DEF	AT	2
9800 / 9799	DEF	AT local marker benthic foram increase	DEF	AT	2
9860 / 9859	DEF	AT local marker foram increase	DEF	AT	2
10190 /10189	DEF	AT faunal change (no faunal increase)	DEF	IN	1
10310 /10308	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	2
10370 /10368	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	2
10610 /10608	DEF	AT faunal change (no faunal increase)	DEF	IN	1
10730 /10728	DEF	AT faunal change (no faunal increase)	DEF	AT	2
10820 /10817	DEF	AT faunal change (no faunal increase)	POS	IN	1
10970 /10967	POS	AT unconformity	DEF	IN	2
11000 /10997	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	IN	2
11060 /11057	DEF	AT local marker benthic foram increase	DEF	IN	2
11120 /11117	DEF	AT faunal change (no faunal increase)	DEF	AT	2
11240 /11236	DEF	AT faunal change (no faunal increase)	DEF	IN	1
11330 /11326	DEF	AT faunal change (no faunal increase)	DEF	AT	1
11959 /11955	POS	AT unconformity	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 171 Date of Summary: 01-MAY-1996 First Sample Examined: 8000 Lease Number: G12836 Source of Paleo: OPERATOR **Borehole MD:** 13700 Well Name: A001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 13634 **API Well Number: 177034080500** Drilling Operator: EL PASO PRODUCTION GOM INC **Rkb Elevation:** 149 Paleo Report Num: 1 of 1 **Sample Range:** 8000 - 13700 Water Depth: 80 Public Info Code: Y 29-JUN-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD		Paleo Top Description		Ec	ozone
11960 /11956	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	3
12020 /12016	DEF	AT local marker benthic foram increase	DEF	IN	3
12030 /12026	POS	AT condensed section	DEF	IN	3
12260 /12255	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12500 /12495	DEF	AT faunal change (no faunal increase)	DEF	IN	2
12740 /12735	DEF	AT Arenaceous fauna (local marker)	DEF	IN	2
12830 /12825	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	2
13010 /13005	POS	AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF	IN	2
13310 /13304	DEF	AT faunal change (no faunal increase)	POS	AT	3
13430 /13424	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS	AT	3
13520 /13514	DEF	AT pyrite	DEF	AT	3
13550 /13544	POS	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	AT	3
13700 /13694	DEF	AT last sample examined	POS	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 172	Date of Summary: 30-JUN-1998	First Sample Examined:	0
Lease Number: G17858	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14650
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	14591
API Well Number: 177034083700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	80
Public Info Code: Y 13-DEC-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7850 / 7848	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9100 / 9095	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
11800 /11791	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 187 Date of Summary: 22-FEB-2002 13160 Source of Paleo: OPERATOR 13249 Lease Number: G22586 **Borehole MD:** Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12673 **API Well Number:** 177034092000 **Drilling Operator: MURPHY EXPLORATION & PRODUCTIO Rkb Elevation:** 98 Paleo Report Num: 1 of 1 **Sample Range:** 8020 - 13160 Water Depth: 91 Public Info Code: Y 31-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecc	ozone
8020 / 8019	DEF	AT first sample examined	DEF	AT	2
8370 / 8369	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
11320 /11032	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
12399 /11949	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
12400 /11950	POS	AT Lower Pliocene (Zanclian) Cibicides marsi	POS	AT	4
13160 /12598	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 195 Date of Summary: 18-JUL-1969 7010 Source of Paleo: OPERATOR 12749 Lease Number: G00958 **Borehole MD:** Paleo Done By: CROSBIE-MACOMBER Well Name: 002 **Borehole TVD:** 12749 **API Well Number:** 177030023000 Drilling Operator: BURMAH OIL & GAS COMPANY **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 7010 - 12750 Water Depth: 40 Public Info Code: Y 30-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
7010 /	DEF	AT first sample examined	DEF	AT
7910 /	DEF	AT local marker benthic foram increase	DEF	AT
8030 /	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT
8600 /	DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT
9600 /	POS	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT
10080 /	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT
11880 /	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT
12750 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: 12870 Area Block: EC 195 Date of Summary: 15-JUL-1970 Source of Paleo: OPERATOR Lease Number: G00959 **Borehole MD:** 13355 Paleo Done By: CROSBIE-MACOMBER Well Name: A002 **Borehole TVD:** 12954 **API Well Number: 177032002300 Drilling Operator:** AMINOIL INC. **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 Sample Range: 12870 - 13340 Water Depth: 102 Public Info Code: Y 30-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Sidetrack report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12870 /	DEF AT first sample examined	DEF AT
12871 /	DEF AT Eggerella sp. (local marker)	DEF AT
13340 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 196 Date of Summary: 28-OCT-1997 First Sample Examined: 0

Lease Number: G16244Source of Paleo: COMPLETION REPORT (WELL SUMMARY)Borehole MD:13300Well Name: 001Paleo Done By: OPERATORBorehole TVD:12383

Well Name:001Paleo Done By: OPERATORBorehole TVD:12383API Well Number:177034082800Drilling Operator: MARINER ENERGY INCRkb Elevation:86

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 100

Public Info Code: Y 20-AUG-2007 Ecozone Eq MMS: Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone

11942 /11593 DEF AT Upper Miocene (Messinian) Textularia "X" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 204 Date of Summary: 15-JUL-1969 First Sample Examined: 5000 Source of Paleo: OPERATOR Lease Number: G00959 **Borehole MD:** 12949 Paleo Done By: CROSBIE-MACOMBER Well Name: 001 **Borehole TVD:** 12949 **API Well Number: 177030022800** Drilling Operator: BURMAH OIL & GAS COMPANY **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 5000 - 12950 Water Depth: 107 Public Info Code: Y 30-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
5000 /	DEF	AT first sample examined	DEF	AT
6180 /	DEF	AT local marker benthic foram increase	DEF	AT
7200 /	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT
8192 /	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
8193 /	POS	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	AT
8758 /	DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT
9524 /	POS	IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT
9525 /	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT
11240 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT
11360 /	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT
12830 /	DEF	AT Eggerella 3 (local marker)	DEF	AT
12950 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 222	Date of Summary: 07-SEP-1995	First Sample Examined:	0
Lease Number: G02037	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14429
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD:	14427
API Well Number: 177034068200	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	118
Public Info Code: Y 06-AUG-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8500 / 8500	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11100 /11099	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12880 /12878	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13360 /13358	DEF AT local marker benthic foram increase	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 272 Date of Summary: 18-AUG-1997 First Sample Examined: 7300 Source of Paleo: OPERATOR Lease Number: G02047 **Borehole MD:** 9505 Paleo Done By: OPERATOR Well Name: H009 **Borehole TVD:** 7531 **API Well Number: 177044094500** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 121 Paleo Report Num: 1 of 1 **Sample Range:** 7300 - 9300 Water Depth: 182 Public Info Code: Y 03-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecc	ozone
7300 / 5581	DEF	AT first sample examined	DEF	AT	1
8670 / 6783	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	1
9150 / 7213	DEF	AT	DEF	AT	2
9180 / 7240	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT	2
9240 / 7294	DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	AT	2
9300 / 7347	DEF	AT last sample examined	DEF	AT	2

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Borehole TVD:

0

6754

4600

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:EC 294Date of Summary:26-MAR-2001First Sample Examined:Lease Number:G17874Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:

Well Name: 001 Paleo Done By: OPERATOR

API Well Number: 177044101600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA Rkb Elevation: 77

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 190

Public Info Code: Y 29-DEC-2005 Ecozone Eq MMS: Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone

2432 / 2352 DEF AT Middle Pleistocene (Ionian) Trimosina "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 324 Date of Summary: 27-DEC-1995 First Sample Examined: 1058 Source of Paleo: OPERATOR Lease Number: G02255 **Borehole MD:** 6266 Well Name: 008 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 4466 **API Well Number:** 177044082201 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 1058 - 6266 Water Depth: 199 Public Info Code: Y 21-JAN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
1058 / 1056	DEF	AT first sample examined	DEF A	Γ 2
1320 / 1314	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF A	Γ 2
1830 / 1721	POS	AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF A	Г 3
2070 / 1832	DEF	AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF A	Г 3
2670 / 2005	DEF	AT local marker foram increase	DEF A	Г 3
3450 / 2289	DEF	AT pyrite	DEF A	Г 3
3480 / 2305	DEF	AT Turtle Grass fauna = Amphistegina Mound	DEF A	Г 3
3510 / 2321	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF A	Г 3
3540 / 2337	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF A	Г 3
6266 / 4463	DEF	AT last sample examined	DEF A	Г 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 328 Date of Summary: 06-JUN-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G10638 **Borehole MD:** 9400 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 9387 **API Well Number:** 177044095600 Drilling Operator: ARENA OFFSHORE LLC **Rkb Elevation:** 90 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 252 Public Info Code: Y 09-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
5940 / 5938	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF A	λT
6540 / 6538	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	λT
6630 / 6628	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF A	λT
7530 / 7526	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF A	λT
7950 / 7944	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF A	λT
8130 / 8124	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF A	λT
8190 / 8183	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF A	λT
8370 / 8363	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF A	λT
8460 / 8452	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF A	λT
8760 / 8751	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	λT
8970 / 8959	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF A	λT

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Borehole TVD:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 328 Date of Summary: 31-JAN-1995 First Sample Examined: 0 Lease Number: G10638 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 4000

Well Name: 005 Paleo Done By: OPERATOR

4000 **API Well Number: 177044080800** Drilling Operator: EL PASO PRODUCTION GOM INC **Rkb Elevation:** 96

Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth:

Public Info Code: Y 31-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" DEF AT 3350 / 3350

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Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EC 348 Date of Summary: 09-MAY-2001 0 Lease Number: G21584 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 10047 **Borehole TVD:** 7400

Well Name: 001 Paleo Done By: OPERATOR

Drilling Operator: WESTPORT OIL AND GAS COMPANY LP **API Well Number: 177044101900 Rkb Elevation:** 106

0 - 0 Paleo Report Num: 1 of 1 Sample Range:

Public Info Code: Y 31-MAY-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8850 / 6650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9290 / 6944	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 364 Date of Summary: 22-FEB-2000 First Sample Examined:

Lease Number: G21080 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD: 7050

Well Name: A001 Paleo Done By: OPERATOR Borehole TVD: 5550

API Well Number: 177044100300 Drilling Operator: VENTURA OPERATING COMPANY INC Rkb Elevation: 93

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:373Public Info Code:Y 27-DEC-2005Ecozone Eq MMS:Paleo ID:001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

6568 / 5232 DEF IN Middle Pleistocene (Ionian) Trimosina "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 364 Date of Summary: 07-DEC-2000 First Sample Examined: 0 Lease Number: G21080 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9566 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 5045

API Well Number: 177044101200 Drilling Operator: REMINGTON OIL AND GAS CORPORATION **Rkb Elevation:** 93

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 373 Public Info Code: Y 27-DEC-2005 **Ecozone Eq MMS:** Paleo ID:

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Middle Pleistocene (Ionian) Trimosina "A" DEF AT 9230 / 4922

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 373	Date of Summary: 19-SEP-1995	First Sample Examined:	3350
Lease Number: G14391	Source of Paleo: OPERATOR	Borehole MD:	6182
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	6182
API Well Number: 177044081800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation:	82
Paleo Report Num: 1 of 1	Sample Range: 3350 - 6182	Water Depth:	394
Public Info Code: Y 09-OCT-2005	Ecozone Ea MMS: Y	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3350 / 3350	DEF AT first sample examined	DEF AT 3
3351 / 3351	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6182 / 6182	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 31-JAN-1997 First Sample Examined: 12010 Source of Paleo: OPERATOR 16773 Lease Number: G02267 **Borehole MD:** Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14157 **API Well Number:** 177044094300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 1 of 4 **Sample Range:** 12010 - 15070 Water Depth: 446 Public Info Code: Y 28-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 004

Remark: Calcareous nannofossil report for original hole

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12010 /10685	DEF AT first sample examined	DEF AT
12011 /10686	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12850 /11299	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
13870 /12025	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyrei (increase)	DEF AT
15070 /12870	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 31-JAN-1997 First Sample Examined: 12731 Source of Paleo: OPERATOR 16773 Lease Number: G02267 **Borehole MD:** Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14157 **API Well Number:** 177044094300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 2 of 4 **Sample Range:** 12731 - 16780 Water Depth: 446 Public Info Code: Y 28-JAN-2007 Paleo ID: **Ecozone Eq MMS:** 005

Remark: Calcareous nannofossil report for sidetrack

MI	D/TVD		Paleo Top Description		Ecozone
12731	/11212	DEF	AT first sample examined	DEF	AT
12911	/11343	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13751	/11942	DEF	AT Upper Pliocene (Gelasian) Calcidiscus macintyrei (increase)	DEF	AT
16780) /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 17-MAY-1997 Area Block: EC 381 First Sample Examined: 12730 Lease Number: G02267 Source of Paleo: OPERATOR **Borehole MD:** 16773 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14157 **API Well Number: 177044094300** Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 3 of 4 **Sample Range:** 12730 - 16780 Water Depth: 446 Public Info Code: Y 28-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Sidetrack report

MD/TVD		Paleo Top Description		Eco	ozone
12730 /11211	DEF	AT first sample examined	DEF	AT	3
12880 /11320	DEF	IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS	IN	3
12970 /11385	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13210 /11558	DEF	AT faunal change (no faunal increase)	DEF	IN	3
13240 /11580	DEF	AT local marker foram increase	DEF	AT	3
13630 /11858	DEF	AT faunal change (no faunal increase)	DEF	AT	2
13690 /11900	DEF	AT local marker foram increase	DEF	AT	3
13750 /11941	DEF	AT local marker foram increase	DEF	AT	3
13930 /12066	DEF	AT faunal change (no faunal increase)	DEF	IN	2
14170 /12236	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14260 /12299	DEF	AT faunal change (no faunal increase)	DEF	IN	2
14440 /12424	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14500 /12465	DEF	AT faunal change (no faunal increase)	DEF	IN	2
14620 /12549	DEF	AT Arenaceous fauna (local marker)	DEF	IN	2
15070 /12870	DEF	AT faunal change (no faunal increase)	DEF	AT	3
15280 /13027	DEF	AT faunal change (no faunal increase)	DEF	IN	2
15550 /13228	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15610 /13273	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15699 /13340	DEF	IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
15700 /13341	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	4
15760 /13387	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15850 /13455	DEF	AT faunal change (no faunal increase)	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 17-MAY-1997 First Sample Examined: 12730 Lease Number: G02267 Source of Paleo: OPERATOR **Borehole MD:** 16773 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14157 **API Well Number: 177044094300** Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 3 of 4 **Sample Range:** 12730 - 16780 Water Depth: 446 Public Info Code: Y 28-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
15940 /13524	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF I	N 3
16000 /13570	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF /	AT 4
16060 /13615	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF I	N 4
16140 /13676	DEF	AT faunal change (no faunal increase)	DEF /	AT 3
16150 /13684	DEF	AT faunal change (no faunal increase)	DEF /	AT 3
16330 /13821	DEF	AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF /	AT 3
16450 /13912	DEF	AT Arenaceous fauna (local marker)	DEF /	AT 3
16780 /	DEF	AT last sample examined	DEF /	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 17-MAY-1997 First Sample Examined: 11980 Lease Number: G02267 Source of Paleo: OPERATOR **Borehole MD:** 16773 Well Name: A002 Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS **Borehole TVD:** 14157 **API Well Number:** 177044094300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 4 of 4 **Sample Range:** 11980 - 15110 Water Depth: 446 Public Info Code: Y 28-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Original hole report

MD/TVD		Paleo Top Description		ļ	<u>Ecozone</u>
11980 /10662	DEF	AT first sample examined	DEF	AT	3
12100 /10751	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	3
12370 /10949	DEF	AT faunal change (no faunal increase)	DEF	IN	2
12820 /11277	DEF	AT local marker foram increase	DEF	ΑT	3
12850 /11299	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	4
12940 /11364	DEF	AT faunal change (no faunal increase)	DEF	IN	3
13000 /11407	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13150 /11515	DEF	AT faunal change (no faunal increase)	DEF	IN	3
13210 /11558	DEF	AT local marker foram increase	DEF	IN	3
13270 /11602	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13360 /11667	DEF	AT faunal change (no faunal increase)	DEF	IN	2
13450 /11733	DEF	AT faunal change (no faunal increase)	DEF	ΑT	2
13480 /11754	DEF	AT faunal change (no faunal increase)	DEF	IN	2
13690 /11900	DEF	AT local marker foram increase	POS	AT	3
13720 /11920	DEF	AT faunal change (no faunal increase)	DEF	IN	2
13840 /12004	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	3
13930 /12066	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	3
14050 /12151	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14110 /12193	DEF	AT faunal change (no faunal increase)	DEF	IN	3
14230 /12278	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14350 /12361	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	3
14500 /12465	DEF	AT faunal change (no faunal increase)	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 17-MAY-1997 First Sample Examined: 11980 Source of Paleo: OPERATOR Lease Number: G02267 **Borehole MD:** 16773 Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS Well Name: A002 **Borehole TVD:** 14157 **API Well Number:** 177044094300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 4 of 4 **Sample Range:** 11980 - 15110 Water Depth: 446 Public Info Code: Y 28-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 003

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14560 /12507	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14680 /12591	DEF AT faunal change (no faunal increase)	DEF AT 3
14830 /12695	DEF AT faunal change (no faunal increase)	POS IN 3
15110 /12900	DEF AT last sample examined	POS IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 28-JUL-1996 First Sample Examined: 7000 Source of Paleo: OPERATOR Lease Number: G15161 **Borehole MD:** 15128 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14968 **API Well Number:** 177044083600 **Drilling Operator: CHEVRON CORPORATION Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 7000 - 15128 Water Depth: 446 Public Info Code: Y 24-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Barite South Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
7000 / 6999	DEF	AT first sample examined	DEF	AT
8920 / 8919	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
9100 / 9099	DEF	AT local marker floral decrease	DEF	AT
9640 / 9639	DEF	AT local marker floral increase	DEF	AT
9880 / 9879	DEF	AT local marker floral increase	DEF	AT
9940 / 9939	DEF	AT local marker floral decrease	DEF	AT
10300 /10299	DEF	AT local marker floral increase	DEF	AT
10360 /10359	DEF	AT local marker floral decrease	DEF	AT
10760 /10759	DEF	AT local marker floral increase	DEF	AT
10940 /10939	DEF	AT local marker floral decrease	DEF	AT
11840 /11836	POS	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
12080 /12071	DEF	AT local marker floral decrease	DEF	AT
12490 /12465	DEF	AT local marker floral increase	DEF	AT
12550 /12522	DEF	AT local marker floral decrease	DEF	AT
14350 /14243	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
14470 /14358	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
14650 /14528	DEF	AT local marker floral decrease	DEF	AT
14830 /14695	DEF	AT local marker floral increase	DEF	AT
14950 /14805	DEF	AT local marker floral decrease	DEF	AT
15128 /14968	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 02-SEP-1996 First Sample Examined: 7000 Lease Number: G15161 Source of Paleo: OPERATOR **Borehole MD:** 15128 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14968 **API Well Number:** 177044083600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 7000 - 15128 Water Depth: 446 Public Info Code: Y 24-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Barite South Prospect

MD/TVD		Paleo Top Description		Eco	ozone
7000 / 6999	DEF	AT first sample examined	DEF	AT	2
7001 / 7000	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	2
7060 / 7059	DEF	AT faunal change (no faunal increase)	DEF	IN	1
7090 / 7089	DEF	AT local marker foram decrease	DEF	IN	1
7180 / 7179	DEF	AT local marker foram increase	DEF	AT	2
7300 / 7299	DEF	AT local marker foram decrease	DEF	IN	1
7720 / 7719	DEF	AT faunal change (no faunal increase)	DEF	AT	2
7750 / 7749	DEF	AT faunal change (no faunal increase)	DEF	AT	1
7870 / 7869	DEF	AT faunal change (no faunal increase)	DEF	AT	2
8320 / 8319	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	2
8380 / 8379	DEF	AT local marker foram decrease	DEF	IN	1
8530 / 8529	POS	AT local marker foram increase	DEF	AT	2
8560 / 8559	DEF	AT local marker foram decrease	DEF	AT	2
8890 / 8889	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	2
9160 / 9159	DEF	AT local marker foram decrease	DEF	AT	2
9250 / 9249	DEF	AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF	IN	2
9400 / 9399	DEF	AT local marker foram decrease	DEF	IN	2
9640 / 9639	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	3
9820 / 9819	DEF	AT	DEF	AT	3
9970 / 9969	DEF	AT local marker foram decrease	DEF	IN	2
10120 /10119	DEF	AT local marker foram increase	DEF	AT	3
10180 /10179	DEF	AT local marker foram decrease	DEF	AT	2

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EC 381 Date of Summary: 02-SEP-1996 First Sample Examined: 7000 Lease Number: G15161 Source of Paleo: OPERATOR **Borehole MD:** 15128 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14968 **API Well Number:** 177044083600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 7000 - 15128 Water Depth: 446 Public Info Code: Y 24-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD		Paleo Top Description			Ecozone
10720 /10719	DEF	AT local marker foram increase	DEF	AT	2
10750 /10749	DEF	AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF	AT	3
10960 /10959	DEF	AT faunal change (no faunal increase)	DEF	ΑT	2
11320 /11319	POS	AT local marker foram increase	DEF	ΑT	2
11830 /11826	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	3
12040 /12032	DEF	AT faunal change (no faunal increase)	DEF	ΑT	2
12130 /12119	DEF	AT local marker foram increase	DEF	IN	2
12160 /12148	DEF	AT local marker foram decrease	DEF	IN	2
12250 /12235	DEF	AT local marker benthic foram increase	DEF	IN	2
12310 /12293	DEF	AT local marker foram decrease	DEF	IN	2
12400 /12379	DEF	AT local marker foram increase	DEF	IN	2
12490 /12465	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
12550 /12522	DEF	AT local marker foram decrease	DEF	AT	3
12640 /12609	DEF	AT faunal change (no faunal increase)	DEF	IN	2
12790 /12753	DEF	AT Bathysiphon fauna	DEF	IN	2
12820 /12781	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	2
12850 /12810	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12970 /12925	DEF	AT local marker foram decrease	DEF	AT	3
13120 /13068	DEF	AT local marker foram decrease	DEF	AT	3
13330 /13268	POS	AT local marker foram increase	DEF	AT	3
14320 /14214	DEF	AT local marker planktic foram increase	DEF	AT	3
14440 /14330	DEF	AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF	AT	3
14470 /14358	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
14590 /14472	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	ΑT	3

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EC 381	Date of Summary: 02-SEP-1996	First Sample Examined:	7000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD:	15128
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	14968
API Well Number: 177044083600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation:	79
Paleo Report Num: 2 of 2	Sample Range: 7000 - 15128	Water Depth:	446
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS: Y	Paleo ID:	002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14650 /14528	DEF AT Eggerella sp. (local marker)	DEF IN 3
14890 /14750	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
14920 /14777	DEF AT local marker foram decrease	DEF IN 3
14980 /14832	DEF AT	DEF AT 3
15070 /14915	DEF AT last sample examined	DEF AT 3

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Borehole MD:

Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El Date of Summary: 19-MAY-1997 First Sample Examined: 0

Lease Number: G09574 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR Well Name: B001

Borehole TVD: 11998 **API Well Number: 177094107600** Drilling Operator: PEL-TEX OIL COMPANY **Rkb Elevation:** 124

Sample Range: 0 - 0 Paleo Report Num: 1 of 1

Public Info Code: Y 29-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Upper Miocene (Tortonian) Cibicides carstensi DEF AT 11371 /11370

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: 10020 Area Block: El Date of Summary: 21-FEB-1997 Source of Paleo: OPERATOR 15253 Lease Number: G03560 **Borehole MD:** Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15071 **API Well Number:** 177094112800 Drilling Operator: COCKRELL OIL AND GAS L P **Rkb Elevation:** 95 Paleo Report Num: 1 of 1 **Sample Range:** 10020 - 15240 Water Depth: 10 Public Info Code: Y 31-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
10020 /10018	DEF AT first sample examined	DEF AT	2
10021 /10019	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT	2
11040 /11038	DEF AT local marker benthic foram increase	DEF AT	3
11190 /11188	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT	3
11640 /11638	DEF AT Cyclammina cancellata (local marker)	DEF AT	4
12990 /12988	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT	4
13950 /13922	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT	4
14550 /14472	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT	4
14580 /14498	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT	4
14790 /14680	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT	4
15240 /15060	DEF AT last sample examined	DEF AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 40 Date of Summary: 08-MAR-2004 First Sample Examined: 10000 Lease Number: G21635 Source of Paleo: OPERATOR **Borehole MD:** 14638 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 14632 **API Well Number: 177094139300** Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 97 Paleo Report Num: 1 of 1 **Sample Range:** 10000 - 14620 Water Depth: 9 Public Info Code: Y 30-APR-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
10000 / 9999	DEF	AT first sample examined	DEF	AT	1
10090 /10089	DEF	IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	3
10240 /10239	DEF	AT	DEF	AT	1
10600 /10599	POS	AT	POS	AT	1
10720 /10719	DEF	AT	DEF	AT	2
10840 /10839	DEF	AT	DEF	IN	2
10960 /10959	DEF	AT	DEF	AT	1
11200 /11199	DEF	AT	DEF	AT	2
11320 /11319	DEF	AT	DEF	AT	1
11440 /11439	DEF	AT	DEF	AT	2
11560 /11559	DEF	AT	DEF	AT	1
11799 /11797	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	3
11800 /11798	POS	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	3
11920 /11918	DEF	AT	DEF	AT	2
12160 /12158	DEF	AT	DEF	AT	3
12280 /12278	DEF	AT	DEF	AT	2
12460 /12457	DEF	AT	DEF	AT	3
12520 /12517	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
12640 /12637	DEF	AT	DEF	AT	2
12700 /12697	DEF	AT	DEF	AT	1
12820 /12817	DEF	AT	DEF	AT	3
12940 /12937	DEF	AT	DEF	IN	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 40 Date of Summary: 08-MAR-2004 First Sample Examined: 10000 Lease Number: G21635 Source of Paleo: OPERATOR **Borehole MD:** 14638 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 14632 **API Well Number:** 177094139300 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 97 Paleo Report Num: 1 of 1 **Sample Range:** 10000 - 14620 Water Depth: 9 Public Info Code: Y 30-APR-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description		Ecozone
13150 /13146	DEF AT Arenaceous fauna (local marker)	DEF I	N 2
13360 /13356	DEF AT	DEF A	AT 1
13420 /13416	DEF AT	POS A	AT 1
13480 /13476	DEF AT	DEF A	AT 1
13540 /13536	DEF AT	DEF A	AT 2
13600 /13596	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF A	AT 2
14020 /14015	DEF AT	DEF A	AT 1
14080 /14075	DEF AT	POS A	AT 1
14170 /14165	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF A	AT 4
14380 /14374	DEF AT	DEF A	AT 3
14500 /14494	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF A	AT 4
14620 /14614	DEF AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 40 Date of Summary: 08-MAR-2004 First Sample Examined: 15500 Lease Number: G21635 Source of Paleo: OPERATOR **Borehole MD:** 21332 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21283 **API Well Number:** 177094139302 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 15500 - 21332 Water Depth: 10 Public Info Code: Y 30-APR-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		E	cozone
14290 /14286	DEF	AT first sample examined	DEF	AT	4
14500 /14496	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
14560 /14555	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14710 /14705	DEF	AT faunal change (no faunal increase)	POS	AT	3
15190 /15184	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15550 /15543	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
15580 /15573	DEF	AT faunal change (no faunal increase)	DEF	AT	3
15729 /15722	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	4
15730 /15723	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
17110 /17100	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17230 /17219	DEF	AT faunal change (no faunal increase)	DEF	AT	4
17350 /17339	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
17680 /17668	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17860 /17847	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18429 /18416	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT	4
18430 /18417	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	4
19359 /19341	DEF	IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT	4
19360 /19342	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
19870 /19840	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	5
19990 /19957	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20110 /20075	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	4
20380 /20340	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 08-MAR-2004 15500 Source of Paleo: OPERATOR 21332 Lease Number: G21635 **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21283 **API Well Number:** 177094139302 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 15500 - 21332 Water Depth: 10 Public Info Code: Y 30-APR-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		Ecozone
20410 /20369	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
20680 /20636	DEF	AT faunal change (no faunal increase)	POS A	√T 4
21010 /20963	DEF	AT faunal change (no faunal increase)	DEF A	√T 4
21100 /21053	DEF	AT faunal change (no faunal increase)	POS A	√T 4
21250 /21202	DEF	AT faunal change (no faunal increase)	DEF A	√T 4
21332 /21283	DEF	AT last sample examined	DEF A	λT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 42 Date of Summary: 04-APR-1997 First Sample Examined:

Lease Number:G04858Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:14060

Well Name: 007 Paleo Done By: OPERATOR Borehole TVD: 14057

API Well Number: 177094110700 Drilling Operator: EL PASO PRODUCTION COMPANY Rkb Elevation: 85

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:14Public Info Code:Y 13-OCT-2006Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11485 /11484	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
12920 /12919	DEF AT unconformity	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 14-FEB-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G17958 **Borehole MD:** 11825 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11347 **API Well Number:** 177094118500 **Drilling Operator: FOREST OIL CORPORATION Rkb Elevation:** 84 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 14 Public Info Code: Y 23-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9026 / 9025	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9551 / 9537	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10230 /10149	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11664 /11237	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 45	Date of Summary: 30-OCT-2000	First Sample Examined:	0
Lease Number: G19785	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11352
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	11162
API Well Number: 177094129300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation:	113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	23
Public Info Code: Y 06-JUL-2006	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6494 / 6494	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8040 / 8040	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10496 /10426	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 45 Date of Summary: 15-JAN-2001 First Sample Examined: 0 Lease Number: G19785 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 13589 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 10915 **API Well Number:** 177094129500 **Drilling Operator: WESTPORT RESOURCES CORPORATION Rkb Elevation:** 91 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 0 - 0 23 Public Info Code: Y 06-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
9458 / 9178	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10310 / 9570	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
12200 /10340	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 21-FEB-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13617 **Borehole MD:** 11100 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 11100 **API Well Number:** 177094111500 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 137 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 21 Public Info Code: Y 19-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7430 / 7429	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8650 / 8649	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9300 / 9299	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10400 /10399	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 26-SEP-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G17959 **Borehole MD:** 16963 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 16600 **API Well Number:** 177094128800 Drilling Operator: HUNT PETROLEUM (AEC) INC **Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 20 Public Info Code: Y 26-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10740 /10738	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11715 /11713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13470 /13468	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14010 /14004	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14816 /14754	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 06-JUL-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G17960 **Borehole MD:** 17275 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16369 **API Well Number:** 177094122902 Drilling Operator: HUNT PETROLEUM (AEC) INC **Rkb Elevation:** 96 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 23 Public Info Code: Y 05-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10480 /10478	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11500 /11476	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13840 /13437	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14980 /14405	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
16000 /15281	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 30-JUN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: 00479 **Borehole MD:** 14265 Paleo Done By: OPERATOR Well Name: 010 **Borehole TVD:** 14105 **API Well Number:** 177094113000 **Drilling Operator: FOREST OIL CORPORATION Rkb Elevation:** 77 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 19 Public Info Code: Y 29-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		<u>Ecozone</u>
9060 / 9059	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT
9210 / 9209	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT
11820 /11817	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT
12630 /12597	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 53 Date of Summary: 30-JUN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: 00479 **Borehole MD:** 12722 Paleo Done By: OPERATOR Well Name: 011 **Borehole TVD:** 12722 **API Well Number:** 177094114500 **Drilling Operator: FOREST OIL CORPORATION Rkb Elevation:** 76 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 20 Public Info Code: Y 01-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9925 /	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 /	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12030 /	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
12610 /	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 53	Date of Summary: 30-JUL-2001	First Sample Examined:	0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14388
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD:	14272
API Well Number: 177094115300	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation:	103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	20
Public Info Code: Y 12-SEP-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10100 /10093	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 /11081	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12610 /12596	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13365 /13350	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 71 Date of Summary: 25-NOV-1998

First Sample Examined: 0

Lease Number: G12906

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Borehole MD: 11800

Well Name: A001

Paleo Done By: OPERATOR

Borehole TVD: 11797

API Well Number: 177094109400

Drilling Operator: PETROBRAS AMERICA INC

Rkb Elevation: 88

Paleo Report Num: 1 of 1

Sample Range: 0 - 0 Water Depth:

Public Info Code: Y 08-JUN-2006

Ecozone Eq MMS:

Paleo ID: 001

Remark: In=sand

MD/TVD

Paleo Top Description

Ecozone

22

11506 /11503

DEF IN Upper Miocene (Tortonian) Discorbis 12

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 74 Date of Summary: 18-AUG-1997 First Sample Examined: 9500 Source of Paleo: OPERATOR Lease Number: G02099 **Borehole MD:** 16609 Paleo Done By: OPERATOR Well Name: 008 **Borehole TVD:** 15013 **API Well Number:** 177094112900 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 128 Paleo Report Num: 1 of 1 **Sample Range:** 9500 - 16580 Water Depth: 18 Public Info Code: Y 13-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
9500 / 9498	DEF	AT first sample examined	DEF	AT	1
9560 / 9558	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	1
9561 / 9559	POS	IN Upper Miocene (Tortonian) Robulus "E"	DEF	AT	1
9680 / 9677	DEF	AT	DEF	AT	2
9770 / 9767	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
9860 / 9857	DEF	AT	DEF	AT	1
10760 /10747	DEF	AT	DEF	IN	1
12470 /12283	DEF	AT	DEF	AT	2
12920 /12636	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
13100 /12770	DEF	AT	DEF	IN	1
13610 /13135	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	2
13730 /13219	DEF	AT	DEF	AT	3
15170 /14105	DEF	AT Upper Miocene (Tortonian) Bigenerina "B"	DEF	IN	2
15530 /14320	DEF	AT	DEF	AT	3
15920 /14553	DEF	AT	DEF	IN	1
16580 /14991	DEF	AT last sample examined	DEF	IN	1

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Paleo ID:

001

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 87	Date of Summary: 10-JUL-2001	First Sample Examined:	0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	18125
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD:	18058
API Well Number: 177094127300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation:	131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	23

Remark:

Public Info Code: Y 12-SEP-2007

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13940 /13935	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
15570 /15520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

Ecozone Eq MMS:

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001

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 87 Date of Summary: 15-JAN-1996 First Sample Examined: 0

Lease Number: G09580 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A002 Paleo Done By: OPERATOR

API Well Number: 177094103500 Drilling Operator: ANADARKO E&P COMPANY LP

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 29-JAN-2005 Ecozone Eq MMS:

Remark:

MD/TVD Paleo Top Description Ecozone

14200 /14198 DEF AT Upper Miocene (Tortonian) Discorbis 12 DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El Date of Summary: 21-DEC-1995 7590 Source of Paleo: OPERATOR Lease Number: G10721 **Borehole MD:** 13300 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 12140 **API Well Number:** 177094107500 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 130 Paleo Report Num: 1 of 1 **Sample Range:** 7590 - 13290 Water Depth: 15 Public Info Code: Y 28-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone	<u>e</u>
7590 / 7586	DEF AT first sample examined	DEF AT 1	
8790 / 8697	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2	
9930 / 9605	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2	
11040 /10424	DEF AT	DEF AT 3	
11460 /10752	DEF AT	DEF AT 2	
12030 /11193	DEF AT	DEF AT 3	
12600 /11624	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 3	
13290 /12132	DEF AT last sample examined	DEF AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 90	Date of Summary: 09-JUN-2000	First Sample Examined:	0
Lease Number: 00229	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10335
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD:	9884
API Well Number: 177094103001	Drilling Operator: GULFSTREAM RESOURCES, INC.	Rkb Elevation:	131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	21
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD_		Paleo Top Description		<u>Ecozone</u>
8610 / 8379	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT
9030 / 8788	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT
10010 /	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 93 Date of Summary: 21-DEC-1995 8980 Source of Paleo: OPERATOR Lease Number: 00228 **Borehole MD:** 15409 Paleo Done By: OPERATOR Well Name: 013 **Borehole TVD:** 15103 **API Well Number: 177094106000 Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 107 Paleo Report Num: 1 of 1 **Sample Range:** 8980 - 15409 Water Depth: 25 Public Info Code: Y 08-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
8980 / 8967	DEF	AT first sample examined	DEF	AT	3
9070 / 9054	DEF	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
10120 /10070	DEF	AT	DEF	AT	1
10810 /10733	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	2
11830 /11708	DEF	AT	DEF	AT	3
12220 /12085	DEF	AT	DEF	AT	2
12880 /12718	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	3
13780 /13583	DEF	AT	DEF	AT	2
14290 /14066	DEF	AT	DEF	AT	3
15409 /15102	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 95 Date of Summary: 12-OCT-1995 First Sample Examined: 5574 Source of Paleo: OPERATOR Lease Number: 00046 **Borehole MD:** 10795 Paleo Done By: OPERATOR Well Name: 015 **Borehole TVD:** 10673 **API Well Number:** 177094102801 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 79 Paleo Report Num: 1 of 1 **Sample Range:** 5574 - 12922 Water Depth: 20 Public Info Code: Y 17-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Eco	zone
5574 / 5574	DEF	AT first sample examined	DEF	AT	1
6303 / 6300	DEF	AT local marker foram increase	DEF	AT	1
7621 / 7607	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
7746 / 7731	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	3
7874 / 7857	DEF	AT local marker foram increase	DEF	AT	3
8446 / 8424	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	3
8830 / 8804	DEF	AT	DEF	AT	2
9130 / 9101	DEF .	AT	DEF	AT	3
9700 / 9664	DEF	AT	DEF	AT	2
9850 / 9811	DEF .	AT	DEF	AT	3
10818 /	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	3
10945 /	DEF	AT	DEF	AT	1
11675 /	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	3
11845 /	DEF	AT	DEF	AT	1
12510 /	DEF	AT	DEF	AT	2
12922 /	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 95 Date of Summary: 08-AUG-1995 9200 Source of Paleo: OPERATOR Lease Number: 00046 **Borehole MD:** 13592 Paleo Done By: OPERATOR Well Name: 017 **Borehole TVD:** 13546 **API Well Number: 177094104800 Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 70 Paleo Report Num: 1 of 1 **Sample Range:** 9200 - 13570 Water Depth: 20 Public Info Code: Y 05-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone	<u>e</u>
9200 / 9197	DEF AT first sample examined	DEF AT 2	
9249 / 9246	DEF AT local marker foram increase	DEF AT 2	
10235 /10210	DEF AT	DEF IN 1	
10640 /10604	DEF AT	DEF AT 2	
10670 /10634	DEF AT	DEF AT 3	
11120 /11081	DEF AT	DEF IN 2	
11330 /11291	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 3	
12290 /12250	DEF AT	DEF IN 3	
12347 /12307	DEF AT	DEF AT 3	
12910 /12869	DEF AT	DEF IN 3	
13570 /13525	DEF AT last sample examined	DEF IN 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 95 Date of Summary: 10-AUG-1995 7500 Source of Paleo: OPERATOR Lease Number: 00046 **Borehole MD:** 12460 Paleo Done By: OPERATOR Well Name: 018 **Borehole TVD:** 11308 **API Well Number:** 177094106900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 130 Paleo Report Num: 1 of 1 **Sample Range:** 7500 - 12430 Water Depth: 15 Public Info Code: Y 27-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		E	cozone
7500 / 7333	DEF AT first sample examined	DEF	AT	2
8190 / 7893	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF	IN	2
8460 / 8108	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	IN	2
9360 / 8832	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	2
10110 / 9434	DEF AT	DEF	IN	2
10340 / 9619	DEF AT	DEF	AT	3
10760 / 9956	DEF AT	DEF	IN	2
11180 /10288	DEF AT	DEF	AT	2
11750 /10744	DEF AT	DEF	AT	3
12430 /11284	DEF AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 107 Date of Summary: 08-MAY-1997 7990 Source of Paleo: OPERATOR Lease Number: G15241 **Borehole MD:** 17800 Paleo Done By: PALEO-DATA, INC. Well Name: B001 **Borehole TVD:** 17795 **API Well Number:** 177094109000 **Drilling Operator: NORCEN EXPLORER INC Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 7990 - 17800 Water Depth: 30 Public Info Code: Y 26-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		ļ	Ecozone
7990 / 7989	DEF	AT first sample examined	DEF	AT	2
8560 / 8559	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	2
10420 /10418	POS	AT local marker planktic foram increase	DEF	AT	3
11559 /11557	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	4
11560 /11558	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
11590 /11588	DEF	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	AT	4
11620 /11618	DEF	AT Bathysiphon fauna	DEF	AT	4
11650 /11648	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	4
11950 /11948	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	4
12220 /12218	POS	AT local marker foram decrease	DEF	AT	3
13480 /13478	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	3
16150 /16146	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	AT	4
17800 /17796	DEF	AT last sample examined	DEF	AT	4

This report contains public paleo reports only for the time period stated $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac$

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 108	Date of Summary: 19-NOV-1997	First Sample Examined:	0
Lease Number: G15241	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	17350
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD:	16558
API Well Number: 177094112100	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation:	93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	33
Public Info Code: Y 27-FFB-2007	Facozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10100 /10099	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11410 /11409	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11760 /11759	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13880 /13856	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 118 Date of Summary: 25-JUL-1996 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G15242 **Borehole MD:** 18350 Paleo Done By: PALEO-DATA, INC. Well Name: 001 **Borehole TVD:** 18328 **API Well Number:** 177094109800 **Drilling Operator: NORCEN EXPLORER INC Rkb Elevation:** 123 Paleo Report Num: 1 of 1 **Sample Range:** 8000 - 18350 Water Depth: 34 Public Info Code: Y 09-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
8000 / 7999	DEF	AT first sample examined	DEF /	AT 2
9800 / 9798	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF /	AT 2
11570 /11566	DEF	AT Cyclammina cancellata (local marker)	DEF /	AT 4
11600 /11596	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF /	AT 4
11690 /11686	POS	AT Upper Miocene (Messinian) Bolivina denticulata	DEF /	AT 4
11720 /11716	POS	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF /	AT 4
11810 /11806	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF /	AT 4
11900 /11896	POS	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF /	AT 4
11960 /11956	POS	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF /	AT 4
12620 /12616	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF /	AT 4
18350 /18328	DEF	AT last sample examined	DEF /	AT 4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 128A	Date of Summary: 03-NOV-1999	First Sample Examined:	0
Lease Number: 00442	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13607
Well Name: JE024	Paleo Done By: OPERATOR	Borehole TVD:	13400
API Well Number: 177094111300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation:	82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	51
Public Info Code: Y 19-DEC-2006	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6695 / 6571	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8130 / 7996	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9330 / 9190	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 133 Date of Summary: 06-JUN-1996 First Sample Examined: 11690 Source of Paleo: OPERATOR Lease Number: G04445 **Borehole MD:** 17800 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 17766 **API Well Number:** 177094108200 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 11690 - 17800 Water Depth: 65 Public Info Code: Y 03-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		!	Ecozone
11690 /11689	DEF	AT first sample examined	DEF	IN	2
11870 /11869	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	2
12080 /12079	DEF	AT	DEF	IN	1
12290 /12289	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	IN	1
12470 /12469	DEF	AT	DEF	IN	2
13050 /13048	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
13560 /13558	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	2
13620 /13618	DEF	AT	DEF	AT	4
13680 /13678	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	ΑT	4
13710 /13708	DEF	AT	DEF	IN	1
14310 /14307	DEF	AT	DEF	AT	3
14760 /14757	DEF	AT	DEF	AT	4
14820 /14817	DEF	AT	DEF	IN	2
15570 /15566	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	ΑT	2
15960 /15955	DEF	AT	DEF	ΑT	4
15990 /15985	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	4
16080 /16074	DEF	AT	DEF	IN	2
17400 /17374	DEF	AT	DEF	AT	1
17730 /17697	DEF	AT	DEF	AT	2
17800 /17765	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 133 Date of Summary: 06-JUN-1996 First Sample Examined: 15500 17726 Lease Number: G04445 Source of Paleo: OPERATOR **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17137 **API Well Number:** 177094108201 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 15500 - 17720 Water Depth: 65 Public Info Code: Y 23-MAY-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description				Ecozone
15500 /15496	DEF AT first sample examined		DEF	IN	2
15620 /15616	DEF AT Upper Miocene (Tortonian) Cr	stellaria "K"	DEF	IN	2
16010 /15999	DEF AT Upper Miocene (Tortonian) Ca	tinaster mexicanus	DEF	IN	2
17120 /16788	DEF AT Upper Miocene (Tortonian) Di	scorbis 12	DEF	IN	2
17150 /16805	DEF AT		DEF	IN	1
17450 /16980	DEF AT		DEF	IN	2
17510 /17014	DEF IN Upper Miocene (Tortonian) Di	scoaster prepentaradiatus	DEF	IN	2
17720 /17134	DEF AT last sample examined		DEF	IN	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 135 Date of Summary: 01-SEP-1997 13500 Lease Number: G14467 Source of Paleo: OPERATOR **Borehole MD:** 19431 Well Name: A002 Paleo Done By: STORK & ASS. **Borehole TVD:** 18932 **API Well Number:** 177094113700 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 95 Paleo Report Num: 1 of 1 Sample Range: 12000 - 19431 Water Depth: 68 Public Info Code: Y 06-AUG-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
13500 /13396	DEF	AT first sample examined	DEF	IN	1
13501 /13397	DEF	IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	IN	1
14100 /13965	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	2
14280 /14138	DEF	AT	DEF	IN	1
14370 /14224	DEF	AT Arenaceous fauna (local marker)	DEF	IN	1
14430 /14280	DEF	AT	DEF	AT	2
14730 /14562	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	3
14970 /14784	DEF	AT	DEF	AT	3
15000 /14811	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
15360 /15141	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
15420 /15196	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	3
15720 /15475	DEF	AT	DEF	IN	3
15869 /15614	DEF	AT Eggerella 3 (local marker)	DEF	AT	3
15870 /15615	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
16110 /15838	DEF	AT Bathysiphon fauna	DEF	AT	3
16260 /15976	DEF	AT local marker planktic foram increase	DEF	IN	3
16530 /16221	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	IN	3
16560 /16248	DEF	AT local marker deep water fauna	DEF	AT	4
16830 /16489	POS	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
16950 /16597	POS	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	4
17069 /16706	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
17070 /16706	DEF	IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 135 Date of Summary: 01-SEP-1997 First Sample Examined: 13500 Lease Number: G14467 Source of Paleo: OPERATOR **Borehole MD:** 19431 Well Name: A002 Paleo Done By: STORK & ASS. **Borehole TVD:** 18932 **API Well Number: 177094113700 Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 95 Paleo Report Num: 1 of 1 Sample Range: 12000 - 19431 Water Depth: 68 Public Info Code: Y 06-AUG-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Ecozone
17310 /16931	DEF	AT	DEF II	N 3
17430 /17044	DEF	AT Arenaceous fauna (local marker)	DEF A	AT 4
17640 /17242	DEF	AT	DEF I	N 3
17760 /17354	DEF	AT local marker planktic foram increase	DEF A	AT 4
17970 /17551	DEF	AT Arenaceous fauna (local marker)	DEF A	AT 4
18029 /17607	DEF	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF A	AT 4
18030 /17608	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF A	AT 4
18360 /17917	DEF	AT local marker benthic foram increase	DEF A	·T 4
18510 /18058	DEF	AT local marker benthic foram increase	DEF A	AT 4
19260 /18769	DEF	AT local marker benthic foram increase	DEF A	AT 4
19400 /18902	DEF	AT last sample examined	DEF A	·T 4

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 147 Date of Summary: 04-MAR-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15243 **Borehole MD:** 14000 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 13777 **API Well Number:** 177094108500 Drilling Operator: AMERICAN EXPLORER INC. **Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 55

Public Info Code: Y 27-MAR-2006

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11012 /10975	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 /12427	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT

Ecozone Eq MMS:

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 147 Date of Summary: 06-DEC-2000 First Sample Examined: 0 Lease Number: G15243 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 16606 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 16272 **API Well Number:** 177094128101 **Drilling Operator: PETROQUEST ENERGY LLC Rkb Elevation:** 85 Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 53

Remark:

Public Info Code: Y 18-APR-2007

MD/TVD Paleo Top Description Ecozone

15750 /15445 DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 176	Date of Summary: 15-DEC-1995	First Sample Examined: 7790
Lease Number: 00445	Source of Paleo: OPERATOR	Borehole MD: 9583
Well Name: JA013	Paleo Done By: OPERATOR	Borehole TVD: 9332
API Well Number: 177094105501	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range : 7790 - 9548	Water Depth: 80
Public Info Code: Y 30-JAN-2005	Ecozone Ea MMS: Y	Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
7790 / 7546	DEF	AT first sample examined	POS	AT	2
8269 / 8019	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	2
9162 / 8912	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	2
9548 / 9297	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 190 Date of Summary: 25-MAR-2004 First Sample Examined: 4230 Lease Number: G08434 Source of Paleo: OPERATOR **Borehole MD:** 8501 Well Name: A006 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8171 **API Well Number:** 177094138802 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 130 Paleo Report Num: 1 of 2 **Sample Range:** 4230 - 8490 Water Depth: 70 Public Info Code: Y 18-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		į	Ecozone
4230 / 4052 DEF	AT first sample examined	POS	AT	3
4231 / 4053 DEF	AT cement	POS	AT	3
4410 / 4218 DEF	AT	DEF	AT	3
4439 / 4245 DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
4440 / 4246 DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
4739 / 4523 DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	3
4740 / 4524 DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
4859 / 4635 DEF	AT anhydrite	DEF	AT	3
4860 / 4636 DEF	AT salt	DEF	AT	3
4950 / 4721 DEF	AT out-of-place section	POS	AT	3
5310 / 5066 POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	3
5670 / 5414 DEF	AT out-of-place section	DEF	AT	3
5970 / 5701 DEF	AT sample gap top	POS	AT	3
6330 / 6044 DEF	AT sample gap bottom	DEF	AT	3
7440 / 7114 DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
8160 / 7831 POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
8490 / 8160 DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 190 Date of Summary: 25-MAR-2004 First Sample Examined: 4230 Lease Number: G08434 Source of Paleo: OPERATOR **Borehole MD:** 8501 Well Name: A006 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8171 **API Well Number:** 177094138802 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 130 Paleo Report Num: 2 of 2 **Sample Range:** 4230 - 8490 Water Depth: 70 Public Info Code: Y 18-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD)/TVD		Paleo Top Description		Ecozone
4230	/ 4052	DEF	AT first sample examined	DEF	AT
4290	/ 4107	POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
4710	/ 4496	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
4800	/ 4580	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
4889	/ 4664	DEF	AT salt	DEF	AT
4890	/ 4665	DEF	AT out-of-place section	DEF	AT
5970	/ 5701	DEF	AT sample gap top	DEF	AT
6330	/ 6044	DEF	AT sample gap bottom	DEF	AT
6930	/ 6619	POS	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
7860	/ 7531	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
8490	/ 8160	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 190 Date of Summary: 22-OCT-2004 First Sample Examined: 8820 Lease Number: G08434 Source of Paleo: OPERATOR **Borehole MD:** 18095 Well Name: A007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18065 **API Well Number:** 177094142300 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 131 Paleo Report Num: 1 of 2 **Sample Range:** 8820 - 18095 Water Depth: 71 Public Info Code: Y 18-MAR-2006 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
8820 / 8806	DEF	AT first sample examined	DEF	AT	3
8821 / 8807	DEF	IN Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
11790 /11761	DEF	AT	DEF	AT	4
13170 /13141	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	4
14610 /14581	POS	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
15270 /15241	POS	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	AT	5
15390 /15361	DEF	AT	DEF	AT	6
15899 /15870	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	6
15900 /15871	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	6
17910 /17880	POS	IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT	6
17940 /17910	DEF	AT	DEF	AT	5
18095 /18065	DEF	AT last sample examined	DEF	AT	5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 190 Date of Summary: 22-OCT-2004 First Sample Examined: 13500 Source of Paleo: OPERATOR Lease Number: G08434 **Borehole MD:** 18095 Well Name: A007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18065 **API Well Number:** 177094142300 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 131 Paleo Report Num: 2 of 2 Sample Range: 13500 - 18095 Water Depth: 71 Public Info Code: Y 18-MAR-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
13500 /13471	DEF AT first sample examined	DEF	AT
13501 /13472	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
14940 /14911	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
15840 /15811	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
17790 /17760	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
18095 /18065	DEF AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 213 Date of Summary: 15-JUN-2004 First Sample Examined: 5310 Lease Number: G21639 Source of Paleo: OPERATOR **Borehole MD:** 19820 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19819 **API Well Number:** 177094140700 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 105 Paleo Report Num: 1 of 2 **Sample Range:** 5310 - 19770 Water Depth: 90 Public Info Code: Y 01-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		1	Ecozone
5310 / 5310	DEF	AT first sample examined	POS	AT	3
5311 / 5311	DEF	AT cement	POS	AT	3
5380 / 5380	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
6490 / 6490	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
9370 / 9370	POS	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
11200 /11200	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
11890 /11890	DEF	AT	DEF	AT	4
11980 /11980	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	4
12010 /12010	DEF	AT	DEF	AT	3
13630 /13630	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
13660 /13660	DEF	AT	DEF	AT	4
15760 /15760	DEF	AT	DEF	AT	5
15820 /15820	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	ΑT	5
16390 /16389	DEF	AT	DEF	AT	6
16630 /16629	DEF	AT	DEF	AT	5
17350 /17349	DEF	AT	DEF	AT	6
17830 /17829	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	6
19389 /19388	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	ΑT	6
19390 /19389	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	6
19770 /19769	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 213 Date of Summary: 15-JUN-2004 First Sample Examined: 11980 Lease Number: G21639 Source of Paleo: OPERATOR **Borehole MD:** 19820 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19819 **API Well Number:** 177094140700 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 105 Paleo Report Num: 2 of 2 **Sample Range:** 11980 - 19770 Water Depth: 90 Public Info Code: Y 01-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
11980 /11980	DEF AT first sample examined	DEF	AT
11981 /11981	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13660 /13660	DEF AT local marker floral increase	DEF	AT
14680 /14680	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
15460 /15460	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
17110 /17109	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
17440 /17439	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
17830 /17829	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
17860 /17859	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
19360 /19359	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
19770 /19769	DEF AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 213 Date of Summary: 03-SEP-2004 First Sample Examined: 19555 Source of Paleo: OPERATOR Lease Number: G21639 **Borehole MD:** 21021 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21002 **API Well Number:** 177094140701 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 105 Paleo Report Num: 1 of 2 **Sample Range:** 19555 - 21010 Water Depth: 90 Public Info Code: Y 01-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone	
19555 /19537	DEF AT first sample examined	DEF AT	
19556 /19538	DEF AT cement	DEF AT	
20500 /20482	DEF AT	DEF AT 6	
20650 /20631	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 6	
21010 /20991	DEF AT last sample examined	DEF AT 6	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 213 Date of Summary: 03-SEP-2004 First Sample Examined: 19555 Source of Paleo: OPERATOR Lease Number: G21639 **Borehole MD:** 21021 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21002 **API Well Number:** 177094140701 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 105 Paleo Report Num: 2 of 2 **Sample Range:** 19555 - 21010 Water Depth: 90 Public Info Code: Y 01-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
19555 /19537	DEF AT first sample examined	DEF AT
20530 /20512	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20770 /20751	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21010 /20991	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 224	Date of Summary: 03-JUL-1997	First Sample Examined:	0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14320
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD:	13457
API Well Number: 177094111600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation:	116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	136
Public Info Code: Y 22-MAY-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9465 / 9344	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11115 /10758	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13560 /12813	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 224 Date of Summary: 29-SEP-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G05504 **Borehole MD:** 14752 Paleo Done By: OPERATOR Well Name: C001 **Borehole TVD:** 14251 **API Well Number:** 177094112500 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 94 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 139 Public Info Code: Y 13-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
12735 /12537	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13370 /13085	DEF AT local marker benthic foram increase	DEF AT
14050 /13664	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 229 Date of Summary: 26-FEB-1996 First Sample Examined: 7366 Source of Paleo: OPERATOR Lease Number: G05505 **Borehole MD:** 18316 Paleo Done By: OPERATOR Well Name: C001 **Borehole TVD:** 18307 **API Well Number:** 177094107300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 105 Paleo Report Num: 1 of 1 **Sample Range:** 7366 - 18316 Water Depth: 120 Public Info Code: Y 05-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Eco	ozone
7366 / 7365	DEF	AT first sample examined	DEF	AT	2
7380 / 7379	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	2
7950 / 7949	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
8010 / 8009	DEF	AT	DEF	IN	2
8250 / 8249	DEF	AT	DEF	AT	4
8340 / 8339	DEF	AT	DEF	AT	3
8490 / 8489	DEF	AT	DEF	IN	2
8580 / 8579	DEF	AT	DEF	AT	2
8690 / 8689	DEF	AT	DEF	IN	1
9750 / 9749	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN	1
12260 /12259	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
12390 /12389	DEF	AT	DEF	IN	1
14430 /14427	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
14610 /14606	DEF	AT	DEF	IN	2
15930 /15924	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	IN	2
17910 /17901	DEF	AT	DEF	AT	4
18000 /17991	DEF	AT	DEF	AT	3
18316 /18306	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 229 Date of Summary: 10-MAR-1998 First Sample Examined: 14400 Lease Number: G05505 Source of Paleo: OPERATOR **Borehole MD:** 17460 Paleo Done By: OPERATOR Well Name: C001 **Borehole TVD:** 17189 **API Well Number: 177094107301** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 118 Paleo Report Num: 1 of 1 **Sample Range:** 14400 - 17460 Water Depth: 151 Public Info Code: Y 18-OCT-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description		Ecozone
14400 /14397	DEF AT first sample examined	DEF	AT 3
14850 /14834	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT 3
15540 /15474	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT 3
15570 /15501	DEF AT	DEF	AT 2
16380 /16216	DEF AT	DEF	AT 3
16680 /16482	DEF AT	DEF	AT 2
17460 /17189	DEF AT last sample examined	DEF	AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 237 Date of Summary: 05-MAR-1997 First Sample Examined: 8030 Source of Paleo: OPERATOR Lease Number: G00981 **Borehole MD:** 9250 Paleo Done By: OPERATOR Well Name: K004 **Borehole TVD:** 7465 **API Well Number:** 177094110500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 Sample Range: 8030 - 9240 Water Depth: 139 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8030 / 6246	DEF AT first sample examined	DEF AT
8031 / 6247	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9240 / 7454	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 02-JAN-1995 First Sample Examined: 5180 Source of Paleo: OPERATOR Lease Number: G00982 **Borehole MD:** 11078 Paleo Done By: OPERATOR Well Name: E007 **Borehole TVD:** 9974 **API Well Number: 177094103800** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 5180 - 11060 125 Water Depth: Public Info Code: Y 02-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/	TVD		Paleo Top Description		E	cozone
5180 /	4760	DEF	AT first sample examined	DEF	AT	1
5370 /	4924	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	1
5840 /	5327	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	1
6650 /	6035	DEF	IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	1
7040 /	6377	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	1
7520 /	6797	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	1
7760 /	7008	DEF	AT	DEF	AT	2
8420 /	7583	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
9080 /	8158	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	2
9890 /	8880	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	2
10460 /	9396	DEF	IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	2
11060 /	9949	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 12-AUG-1995 First Sample Examined: 7000 Source of Paleo: OPERATOR Lease Number: G00982 **Borehole MD:** 12420 Paleo Done By: OPERATOR Well Name: E008 **Borehole TVD:** 10789 **API Well Number:** 177094104500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 7000 - 12400 Water Depth: 127 Public Info Code: Y 07-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
7000 / 6297	DEF	AT first sample examined	DEF A	√T 1
7120 / 6397	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF A	·T 1
7210 / 6472	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF A	·Τ 1
7390 / 6621	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF A	·Τ 1
7750 / 6919	DEF	IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF A	·T 1
7810 / 6968	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF A	·T 1
8110 / 7216	DEF	AT	DEF A	AT 2
8380 / 7440	DEF	IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF A	AT 2
8470 / 7514	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF A	AT 2
8889 / 7856	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF A	AT 3
8890 / 7856	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	AT 3
9550 / 8403	DEF	AT	DEF A	AT 2
10150 / 8902	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF A	AT 2
11680 /10169	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF A	AT 2
12400 /10773	DEF	AT last sample examined	DEF A	AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 238	Date of Summary: 10-MAR-1998	First Sample Examined: 11040
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 2	Sample Range: 11040 - 12640	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eg MMS: Y	Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description	Ecozon	e
11040 /10210	DEF AT first sample examined	DEF AT 2	
11820 /10918	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2	
12640 /11692	DEF AT last sample examined	DEF AT 2	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 238	Date of Summary: 10-MAR-1998	First Sample Examined: 9000
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USAINC	Rkb Elevation: 122
Paleo Report Num: 2 of 2	Sample Range: 9000 - 12300	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eg MMS: Y	Paleo ID: 003

Remark: Bypass 1 report, company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
9000 / 8423	DEF AT	first sample examined	DEF /	AT 2
9150 / 8551	DEF AT	Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF /	AT 2
9210 / 8603	DEF AT		DEF /	AT 1
9990 / 9290	DEF AT		DEF /	AT 2
10290 / 9554	DEF AT		DEF /	AT 1
10350 / 9606	DEF AT	Lower Pliocene (Zanclian) Sphenolithus abies	DEF /	AT 1
12300 /11370	DEF AT	last sample examined	DEF /	AT 1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 18-AUG-1997 First Sample Examined: 10890 Source of Paleo: OPERATOR Lease Number: G00982 **Borehole MD:** 13016 Paleo Done By: OPERATOR Well Name: H003 **Borehole TVD:** 12126 **API Well Number:** 177094038002 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 122 Paleo Report Num: 1 of 2 **Sample Range:** 10890 - 12960 Water Depth: 140 Public Info Code: Y 09-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10890 /10315	DEF AT first sample examined	DEF AT
10950 /10365	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12960 /12076	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 10-MAR-1998 First Sample Examined: 10860 Lease Number: G00982 Source of Paleo: OPERATOR **Borehole MD:** 13016 Paleo Done By: OPERATOR Well Name: H003 **Borehole TVD:** 12126 **API Well Number:** 177094038002 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 122 Paleo Report Num: 2 of 2 **Sample Range:** 10860 - 12960 Water Depth: 140 Public Info Code: Y 09-AUG-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: No diagnostic foram markers noted

MD/TVD	Paleo Top Description	<u>Eco</u>	ozone
10860 /10289	DEF AT first sample examined	DEF AT	1
11100 /10493	DEF AT	DEF AT	2
11610 /10927	DEF AT	DEF AT	1
11880 /11151	DEF AT	DEF AT	2
12960 /12076	DEF AT last sample examined	DEF AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 18-AUG-1997 First Sample Examined: 10470 Source of Paleo: OPERATOR 13620 Lease Number: G00982 **Borehole MD:** Paleo Done By: OPERATOR Well Name: H015 **Borehole TVD:** 12382 **API Well Number: 177094050201** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 127 Paleo Report Num: 1 of 2 **Sample Range:** 10470 - 13620 Water Depth: 147 Public Info Code: Y 19-JUL-2007 Ecozone Eq MMS: N Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10470 / 9529	DEF AT first sample examined	DEF AT
10529 / 9581	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10530 / 9582	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13620 /12382	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10470
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13620
Well Name: H015	Paleo Done By: OPERATOR	Borehole TVD: 12382
API Well Number: 177094050201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 127
Paleo Report Num: 2 of 2	Sample Range: 10470 - 13620	Water Depth: 147
Public Info Code: Y 19-JUL-2007	Ecozone Eq MMS: Y	Paleo ID : 003

Remark:

MD/TVD	Paleo To	op Description		Ecozone
10470 / 9529	DEF AT first sam	nple examined	POS	AT 1
11100 /10096	DEF AT		DEF	AT 1
11370 /10347	DEF AT		DEF	AT 2
12060 /10982	DEF AT		DEF	AT 1
12690 /11554	DEF AT		DEF	AT 2
13200 /12008	DEF AT		DEF	AT 3
13380 /12168	POS AT Lower P	Pliocene (Zanclian) Buliminella 1	DEF	AT 3
13620 /12382	DEF AT last sam	nple examined	DEF	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 238 Date of Summary: 10-MAR-1998 First Sample Examined: 10300 Lease Number: G00983 Source of Paleo: OPERATOR **Borehole MD:** 13180 Paleo Done By: OPERATOR Well Name: H009 **Borehole TVD:** 12225 **API Well Number: 177094044801** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 93 Paleo Report Num: 1 of 1 **Sample Range:** 10300 - 13165 Water Depth: 147 Public Info Code: Y 19-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description		E	cozone
10300 / 9730	DEF AT first sample examined	DEF	AT	1
10301 / 9730	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	1
11140 /10461	DEF AT	DEF	AT	2
11470 /10750	DEF AT	DEF	AT	1
11920 /11149	DEF AT	DEF	AT	2
12340 /11506	DEF AT	DEF	AT	1
12610 /11736	DEF AT	DEF	AT	2
12820 /11915	DEF AT	DEF	AT	1
13165 /12213	DEF AT last sample examined	DEF	AT	1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 240 Date of Summary: 03-AUG-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G04453 **Borehole MD:** 18240 Paleo Done By: OPERATOR Well Name: A007 **Borehole TVD:** 16884 **API Well Number:** 177094104000 Drilling Operator: VASTAR OFFSHORE INC **Rkb Elevation:** 117 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 139 Public Info Code: Y 10-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14910 /13907	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
18000 /16649	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:El243Date of Summary:04-NOV-1996First Sample Examined:0Lease Number:G02899Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:13514Well Name:008Paleo Done By:OPERATORBorehole TVD:11900PI Well Number:177094109600Drilling Operator:STONE PETROLEUM CORPORATIONRkb Elevation:97

API Well Number: 177094109600 Drilling Operator: STONE PETROLEUM CORPORATION Rkb Elevation: 97
Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 140

Public Info Code: Y 31-OCT-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11150 /10287	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
12230 /10918	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 252 Date of Summary: 02-MAY-1997 7500 Source of Paleo: OPERATOR Lease Number: G00983 **Borehole MD:** 14400 Paleo Done By: OPERATOR Well Name: G004 **Borehole TVD:** 12241 **API Well Number:** 177094031901 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 7500 - 14400 Water Depth: 157 Public Info Code: Y 27-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecc	ozone
7500 / 7431	DEF	AT first sample examined	DEF	AT	1
8100 / 7917	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
8130 / 7940	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	3
8500 / 8208	DEF	AT	DEF	AT	1
11880 /10627	DEF	AT	DEF	AT	3
13710 /11851	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
14400 /12241	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 252 Date of Summary: 05-AUG-1997 10630 Source of Paleo: OPERATOR 13478 Lease Number: G00983 **Borehole MD:** Paleo Done By: OPERATOR Well Name: 1006 **Borehole TVD:** 12358 **API Well Number: 177094058001** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 10630 - 13478 Water Depth: 151 Public Info Code: Y 09-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
10630 /10528	DEF	AT first sample examined	DEF A	Г 3
11500 /11360	DEF	AT	DEF A	Γ 1
11710 /11539	DEF	AT	DEF A	Γ 2
12070 /11771	DEF	AT	DEF A	Г 3
12220 /11847	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF A	Г 3
12850 /12105	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF A	Г 3
13210 /12254	DEF	AT	DEF A	Γ 2
13330 /12301	DEF	AT	DEF A	Γ 1
13478 /12359	DEF	AT last sample examined	DEF A	Γ 1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 252 Date of Summary: 18-AUG-1997 First Sample Examined: 7000 Lease Number: G00983 Source of Paleo: OPERATOR **Borehole MD:** 13550 Paleo Done By: OPERATOR Well Name: 1009 **Borehole TVD:** 12644 **API Well Number: 177094111900** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 7000 - 13550 Water Depth: 155 Public Info Code: Y 15-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		E	cozone
7000 / 6959	DEF AT first sample examined	DEF	IN	1
7270 / 7201	DEF AT	DEF	AT	2
8260 / 8073	DEF AT	DEF	AT	3
8350 / 8153	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
8530 / 8312	DEF AT	DEF	IN	3
8980 / 8708	DEF AT	DEF	IN	2
10240 / 9795	DEF AT	DEF	AT	2
10420 / 9948	DEF AT cement	POS	AT	2
10450 / 9974	DEF AT	DEF	AT	3
10720 /10204	DEF AT	DEF	AT	2
11890 /11217	DEF AT	DEF	AT	3
11920 /11243	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
12430 /11685	DEF AT	DEF	AT	2
12730 /11941	DEF AT	DEF	IN	2
12760 /11967	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	IN	2
13090 /12249	DEF AT	DEF	AT	3
13550 /12648	DEF AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 281	Date of Summary: 16-APR-1997	First Sample Examined:	0
Lease Number: G09591	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	7850
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD:	7406
API Well Number: 177104145800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation:	81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	187
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4030 / 4029	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5530 / 5469	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 305 Date of Summary: 25-MAR-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02108 **Borehole MD:** 14960 Paleo Done By: OPERATOR Well Name: B011 **Borehole TVD:** 13999 **API Well Number:** 177104139700 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 118 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 230 Public Info Code: Y 02-MAR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4000 / 4000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4060 / 4060	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
5320 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10240 /10030	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10630 /10357	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14230 /13367	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: El 323 Date of Summary: 21-MAY-1996 1600 Source of Paleo: OPERATOR Lease Number: G15261 **Borehole MD:** 11600 Well Name: 001 Paleo Done By: THOMAS REILLY **Borehole TVD:** 10140 **API Well Number:** 177104143200 **Drilling Operator: MURPHY EXPLORATION & PRODUCTIO Rkb Elevation:** 90 Paleo Report Num: 1 of 2 **Sample Range:** 1600 - 8575 Water Depth: 255 Public Info Code: Y 08-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Original hole report

MD/TVD	Paleo Top Description		Ec	ozone
1600 / 1600	DEF AT first sample examined	DEF	AT	5
2320 / 2320	DEF AT	DEF	AT	3
2590 / 2590	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
2650 / 2650	DEF AT	DEF	IN	3
2740 / 2740	DEF AT	DEF	AT	3
3070 / 3070	DEF AT	DEF	IN	3
3670 / 3670	DEF AT	DEF	AT	4
4510 / 4510	DEF AT	DEF	IN	4
4990 / 4989	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	4
5050 / 5048	DEF AT	DEF	IN	3
6340 / 6241	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF	AT	5
6550 / 6412	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
6820 / 6614	DEF AT	DEF	AT	3
7780 / 7282	DEF AT	DEF	IN	4
7920 / 7384	DEF AT	DEF	IN	3
8575 / 7847	DEF AT last sample examined	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 323 Date of Summary: 21-MAY-1996 First Sample Examined: 8183 Lease Number: G15261 Source of Paleo: OPERATOR **Borehole MD:** 11600 Well Name: 001 Paleo Done By: THOMAS REILLY **Borehole TVD:** 10140 **API Well Number:** 177104143200 **Drilling Operator: MURPHY EXPLORATION & PRODUCTIO Rkb Elevation:** 90 Paleo Report Num: 2 of 2 **Sample Range:** 8183 - 11601 Water Depth: 255 Public Info Code: Y 08-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Sidetrack report

MD/TVD	Paleo Top Description			Ecozone	
8183 / 7570	DEF	AT first sample examined	DEF IN	1 3	
8827 / 8023	DEF	AT	DEF IN	1 2	
9508 / 8511	DEF	AT	DEF IN	1 3	
9877 / 8787	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT	Г 5	
10257 / 9079	DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN	1 5	
10756 / 9469	DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN	1 5	
11175 / 9801	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT	Т 6	
11601 /	DEF	AT last sample examined	DEF AT	T 6	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 341	Date of Summary: 24-AUG-1995	First Sample Examined: 4500
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 7715
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD: 7480
API Well Number: 177104092401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 4500 - 7740	Water Depth: 275
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic coccolith markers noted

MD/TVD	Paleo Top Description		<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF	AT 1
5130 / 5105	DEF AT	DEF	AT 2
5160 / 5131	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT 2
6180 / 5974	DEF AT	DEF	AT 1
6420 / 6196	DEF AT	DEF	AT 3
6780 / 6550	DEF AT	DEF	AT 1
7140 / 6906	DEF AT	DEF	AT 2
7440 / 7205	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT 2
7560 / 7325	DEF AT	DEF	AT 1
7740 /	DEF AT last sample examined	DEF	AT 1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 341 Date of Summary: 24-AUG-1995 First Sample Examined: 1030 Source of Paleo: OPERATOR Lease Number: G02914 **Borehole MD:** 11092 Well Name: A014 Paleo Done By: OPERATOR **Borehole TVD:** 8810 **API Well Number:** 177104140400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 1030 - 11080 Water Depth: 275 Public Info Code: Y 02-JUL-2005 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Company-integrated foram and nanno report

	MD/TVD		Paleo Top Description		į	Ecozone
	1030 / 1029	DEF	AT first sample examined	DEF	AT	1
	1330 / 1325	DEF	AT	DEF	AT	2
	1600 / 1585	DEF	AT	DEF	AT	3
	2230 / 2158	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	3
	2920 / 2619	DEF	AT	DEF	AT	1
	4210 / 3319	DEF	AT	DEF	AT	3
	4750 / 3597	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
	5230 / 3847	DEF	AT	DEF	AT	2
	6220 / 4397	DEF	AT	DEF	AT	1
	6820 / 4775	DEF	AT	DEF	AT	2
	9700 /	DEF	AT	DEF	AT	4
•	10870 /	DEF	AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF	AT	4
•	10990 /	DEF	AT salt	DEF	AT	4
•	11080 /	DEF	AT last sample examined	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: E	El 349	Date of Summary: 08-MAR-1996	First Sample Examined:	3530
Lease Number: 0	902322	Source of Paleo: OPERATOR	Borehole MD:	11342
Well Name:	B021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	8702
API Well Number: 1	77104141100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	95
Paleo Report Num:	1 of 2	Sample Range: 3530 - 11330	Water Depth:	298
Public Info Code: Y	/ 07-FFB-2006	Ecozone Ea MMS: Y	Paleo ID:	002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	MD / TVD Paleo Top Description	
3530 / 3134	DEF AT first sample examined	DEF AT 2
4640 / 3859	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5000 / 4087	DEF AT	DEF AT 2
8870 / 6916	DEF AT	DEF AT 3
9440 / 7335	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
11330 / 8694	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 349 Date of Summary: 08-MAR-1996 First Sample Examined: 3530 Lease Number: G02322 Source of Paleo: OPERATOR **Borehole MD:** 11342 Well Name: B021 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8702 **API Well Number:** 177104141100 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 95 Paleo Report Num: 2 of 2 **Sample Range:** 3530 - 11330 Water Depth: 298 Public Info Code: Y 07-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/	TVD		Paleo Top Description		Ecozone
3530 /	3134	DEF	AT first sample examined	DEF	AT
4310 /	3649	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
8960 /	6983	POS	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
9110 /	7095	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
10670 /	8219	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
11330 /	8694	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: El 349 Date of Summary: 25-NOV-1996 First Sample Examined: 8200 Lease Number: G02322 Source of Paleo: OPERATOR **Borehole MD:** 12400 Well Name: B023 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9435 **API Well Number:** 177104144400 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 8200 - 12400 Water Depth: 298 Public Info Code: Y 10-DEC-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8200 / 6265	DEF AT first sample examined	DEF AT 3
10240 / 7796	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
10300 / 7841	DEF AT	DEF AT 4
10360 / 7886	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
10600 / 8066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10660 / 8111	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11170 / 8499	DEF AT	DEF AT 3
12400 / 9436	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: El 349	Date of Summary: 25-NOV-1996	First Sample Examined:	8200
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD:	12400
Well Name: B023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	9435
API Well Number: 177104144400	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation:	100
Paleo Report Num: 2 of 2	Sample Range: 8200 - 12400	Water Depth:	298
Public Info Code: Y 10-DEC-2006	Ecozone Ea MMS:	Paleo ID:	002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/	TVD		Paleo Top Description		Ecozone
8200 /	6265	DEF	AT first sample examined	DEF	AT
8560 /	6529	POS	IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
9460 /	7207	POS	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
10030 /	7637	POS	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
10240 /	7796	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
12400 /	9436	DEF	AT last sample examined	DEF	AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 834 Date of Summary: 26-AUG-1998 First Sample Examined: 4980 Lease Number: G18168 Source of Paleo: OPERATOR **Borehole MD:** 9514 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 9500 **API Well Number:** 608105008900 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 4980 - 9514 Water Depth: 1105 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Hummingbird Prospect

MD/TVD		Paleo Top Description		E	cozone
4980 / 4980	DEF	AT first sample examined	DEF	AT	4
5010 / 5010	DEF	AT	DEF	AT	0
5190 / 5190	DEF	AT	DEF	AT	4
5220 / 5220	DEF	AT	DEF	AT	0
5340 / 5340	DEF	AT	DEF	AT	4
5640 / 5640	DEF	AT	DEF	AT	0
5700 / 5700	DEF	AT	DEF	AT	4
5730 / 5730	DEF	AT local marker foram increase	DEF	AT	4
5760 / 5760	DEF	AT local marker foram increase	DEF	AT	4
5850 / 5850	DEF	AT	DEF	AT	0
5880 / 5880	DEF	AT	DEF	AT	4
6030 / 6030	DEF	AT	DEF	AT	0
6090 / 6090	DEF	AT local marker foram increase	DEF	AT	4
6240 / 6240	DEF	AT	DEF	IN	4
6300 / 6300	DEF	AT sample gap top	DEF	AT	
6360 / 6360	DEF	AT sample gap bottom	DEF	IN	4
6390 / 6390	DEF	AT sample gap top	DEF	AT	
6420 / 6420	DEF	AT sample gap bottom	DEF	IN	4
6480 / 6480	DEF	AT	DEF	AT	4
6630 / 6630	DEF	AT sample gap top	DEF	AT	
6660 / 6660	DEF	AT sample gap bottom	DEF	AT	4
6690 / 6690	DEF	AT	DEF	AT	0

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 834 Date of Summary: 26-AUG-1998 First Sample Examined: 4980 Lease Number: G18168 Source of Paleo: OPERATOR **Borehole MD:** 9514 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 9500 **API Well Number:** 608105008900 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 82 Sample Range: 4980 - 9514 Paleo Report Num: 1 of 1 Water Depth: 1105 Public Info Code: Y 30-JUN-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

		raled top bescription		ECC	320He
6780 / 6780	DEF	AT drilling material	POS	AT	
6810 / 6810	DEF	AT	DEF	AT	0
6960 / 6960	DEF	AT	POS	AT	0
6990 / 6990	DEF	AT transported shelf fauna	DEF	AT	
7020 / 7020	DEF	AT sample gap top	DEF	AT	
7079 / 7079	DEF	AT sample gap bottom	DEF	AT	
7080 / 7080	DEF	AT transported shelf fauna	DEF	AT	
7110 / 7110	DEF	AT	DEF	IN	4
7500 / 7498	DEF	AT local marker foram increase	DEF	IN	4
7920 / 7911	DEF	AT sample gap top	DEF	AT	
7950 / 7940	DEF	AT sample gap bottom	DEF	IN	4
8100 / 8088	DEF	AT	DEF	AT	0
8130 / 8118	DEF	AT	POS	AT	0
8250 / 8237	DEF	AT sample gap top	DEF	AT	
8310 / 8297	DEF	AT sample gap bottom	DEF	AT	
8340 / 8327	DEF	AT sample gap top	DEF	AT	
8370 / 8357	DEF	AT sample gap bottom	DEF	IN	4
8371 / 8358	DEF	AT local marker foram increase	DEF	IN	4
8460 / 8447	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	4
8490 / 8477	DEF	AT sample gap top	DEF	AT	
8520 / 8507	DEF	AT sample gap bottom	DEF	IN	4
8530 / 8517	DEF	AT sample gap top	DEF	AT	
8600 / 8587	DEF	AT sample gap bottom	DEF	IN	4
8601 / 8588	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	IN	4

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 834 Date of Summary: 26-AUG-1998 First Sample Examined: 4980 Lease Number: G18168 Source of Paleo: OPERATOR **Borehole MD:** 9514 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 9500 **API Well Number:** 608105008900 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 4980 - 9514 Water Depth: 1105 Public Info Code: Y 30-JUN-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description		<u>Ecozone</u>	
8620 / 8607	DEF AT sample gap top	DEF	AT	
8630 / 8617	DEF AT sample gap bottom	DEF	AT	
8690 / 8677	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 4	
8710 / 8697	DEF AT sample gap top	POS	AT	
8730 / 8717	DEF AT sample gap bottom	POS	AT	
8840 / 8827	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN 4	
9120 / 9107	DEF AT sample gap top	DEF	AT	
9160 / 9147	DEF AT sample gap bottom	DEF	IN 4	
9230 / 9217	DEF AT	DEF	AT 0	
9290 / 9276	DEF AT	DEF	IN 4	
9370 / 9356	DEF AT drilling material	DEF	IN 4	
9514 / 9500	DEF AT last sample examined	DEF	IN 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 910 Date of Summary: 15-JUL-1997 First Sample Examined: 4990 Lease Number: G13079 Source of Paleo: OPERATOR **Borehole MD:** 14550 Well Name: 004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14550 **API Well Number:** 608105007300 **Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 4990 - 14540 Water Depth: 630 Public Info Code: Y 02-AUG-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
4990 / 4989	DEF	AT first sample examined	POS	AT	5
5410 / 5409	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
6430 / 6429	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
7060 / 7058	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
7120 / 7118	POS	AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	POS	AT	5
8590 / 8586	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
8770 / 8766	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	5
9790 / 9785	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	5
10360 /10355	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	POS	AT	5
10450 /10445	DEF	AT local marker deep water fauna	DEF	IN	5
11139 /11134	DEF	AT foram flood	DEF	IN	5
11140 /11135	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
11200 /11195	DEF	AT local marker benthic foram increase	DEF	IN	5
11340 /11335	POS	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	5
11429 /11424	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	5
11430 /11425	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
11580 /11575	DEF	AT pyrite	DEF	IN	5
11990 /11985	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	IN	5
12320 /12315	DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF	IN	5
12980 /12974	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
13220 /13214	DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	IN	5
13940 /13934	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	5

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Paleo ID:

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 910 Date of Summary: 15-JUL-1997 First Sample Examined: 4990 Lease Number: G13079 Source of Paleo: OPERATOR **Borehole MD:** 14550 Well Name: 004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14550 **API Well Number:** 608105007300 **Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 84 **Sample Range:** 4990 - 14540 Water Depth: 630

Paleo Report Num: 1 of 2

Public Info Code: Y 02-AUG-2007 Ecozone Eq MMS: Y

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
14240 /14234	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
14540 /14534	DEF AT last sample examined	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 910 Date of Summary: 15-JUL-1997 First Sample Examined: 2000 Lease Number: G13079 Source of Paleo: OPERATOR **Borehole MD:** 14550 Well Name: 004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14550 **API Well Number:** 608105007300 **Drilling Operator:** KERR-MCGEE CORPORATION **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 2000 - 14540 Water Depth: 630 Public Info Code: Y 02-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
2000 / 2000	DEF	AT first sample examined	DEF	AT
2700 / 2700	DEF	AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF	AT
2760 / 2760	DEF	AT local marker floral decrease	DEF	AT
2880 / 2880	DEF	AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF	AT
2970 / 2970	DEF	AT local marker floral decrease	DEF	AT
5020 / 5019	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
6360 / 6359	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF	AT
6450 / 6449	DEF	AT local marker floral decrease	DEF	AT
6610 / 6609	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
7109 / 7107	DEF	AT floral flood	DEF	AT
7110 / 7108	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
7260 / 7258	DEF	AT local marker floral decrease	DEF	AT
7650 / 7648	POS	AT local marker floral increase	DEF	AT
7710 / 7708	DEF	AT local marker floral decrease	DEF	AT
8710 / 8706	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
8770 / 8766	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9609 / 9604	DEF	AT local marker floral increase	DEF	AT
9610 / 9605	POS	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
9810 / 9805	DEF	AT local marker floral decrease	DEF	AT
10390 /10385	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
10420 /10415	DEF	AT Upper Pliocene (Gelasian) Calcidiscus macintyrei (increase)	DEF	AT
10480 /10475	DEF	AT local marker floral decrease	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: EW 910 Date of Summary: 15-JUL-1997 2000 Source of Paleo: OPERATOR Lease Number: G13079 **Borehole MD:** 14550 Paleo Done By: PALEO-DATA, INC. Well Name: 004 **Borehole TVD:** 14550 **API Well Number:** 608105007300 **Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 2000 - 14540 Water Depth: 630 Public Info Code: Y 02-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD		Paleo Top Description			Ecozone
10810 /10805	DEF	AT local marker floral increase	DEF	- AT	
11138 /11133	DEF	AT foram flood	DEF	- AT	
11139 /11134	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	- AT	
11140 /11135	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	- AT	
11170 /11165	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	- AT	
11430 /11425	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	- AT	
14030 /14024	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	- AT	
14150 /14144	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	- AT	
14540 /14534	DEF	AT last sample examined	DEF	- AT	

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001

First Sample Examined:

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: EW 910 Date of Summary: 15-JAN-1999

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A001 Paleo Done By: OPERATOR

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 25-AUG-2006 Ecozone Eq MMS:

Remark: In=sand

Lease Number: G13079

MD/TVD Paleo Top Description Ecozone

10789 /10780 DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 917 Date of Summary: 15-NOV-1996 First Sample Examined: 3630 Source of Paleo: OPERATOR Lease Number: G12139 **Borehole MD:** 12312 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12311 **API Well Number:** 608105006500 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 3630 - 12312 Water Depth: 1195 Public Info Code: Y 05-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
3630 / 3630	DEF	AT first sample examined	DEF	AT
6210 / 6210	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
8610 / 8610	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
9690 / 9690	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
9720 / 9720	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
10980 /10979	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11340 /11339	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
11760 /11759	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
11790 /11789	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
11850 /11849	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
12312 /12311	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 917 Date of Summary: 18-NOV-1996 First Sample Examined: 3630 Lease Number: G12139 Source of Paleo: OPERATOR **Borehole MD:** 12312 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12311 **API Well Number:** 608105006500 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 3630 - 12312 Water Depth: 1195 Public Info Code: Y 05-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozo	ne
3630 / 3630	DEF AT first sample examined	DEF AT 4	1
5940 / 5940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4	1
6360 / 6360	DEF AT	DEF AT	5
10920 /10919	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT	5
10980 /10979	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT	5
11760 /11759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT	5
12312 /12311	DEF AT last sample examined	DEF AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 Date of Summary: 19-JUN-1996 First Sample Examined: 4500 Lease Number: G13084 Source of Paleo: OPERATOR **Borehole MD:** 13100 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13096 **API Well Number:** 608105006000 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 4500 - 13100 Water Depth: 1740 Public Info Code: Y 12-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
4500 / 4500	DEF	AT first sample examined	DEF	AT
4740 / 4740	POS	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
7560 / 7560	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
9630 / 9630	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
10470 /10470	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
12090 /12088	POS	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
12120 /12118	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
12420 /12418	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
12810 /12807	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
12840 /12837	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
12870 /12867	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
12960 /12956	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
13020 /13016	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
13100 /13096	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 Date of Summary: 21-JUN-1996 First Sample Examined: 4500 Source of Paleo: OPERATOR Lease Number: G13084 **Borehole MD:** 13100 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13096 **API Well Number:** 608105006000 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 4500 - 13100 1740 Water Depth: Public Info Code: Y 12-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			Ecozone
4500 / 4500	DEF	AT first sample examined	DEF	IN	5
4590 / 4590	DEF	AT	DEF	AT	4
6120 / 6120	DEF	AT	DEF	AT	5
6480 / 6480	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
6570 / 6570	DEF	AT	DEF	AT	4
10470 /10470	DEF	AT	DEF	IN	5
10530 /10530	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
12420 /12418	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
12780 /12777	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
12900 /12897	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
12930 /12927	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
12990 /12986	DEF	AT	DEF	AT	6
13100 /13096	DEF	AT last sample examined	DEF	ΑT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 Date of Summary: 09-JAN-1997 First Sample Examined: 5230 Lease Number: G13084 Source of Paleo: OPERATOR **Borehole MD:** 15924 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13266 **API Well Number:** 608105006800 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 72 Paleo Report Num: 1 of 2 Sample Range: 5230 - 15924 Water Depth: 1758 Public Info Code: Y 21-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u> </u>	cozone
5230 / 4942	DEF AT first sample examined	POS AT	4
6880 / 6128	DEF AT	DEF AT	5
8320 / 7185	DEF AT	DEF IN	5
11200 / 9282	DEF AT	DEF AT	4
11740 / 9682	DEF AT	DEF AT	5
14590 /12060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT	5
15310 /12698	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT	5
15460 /12834	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT	5
15700 /13055	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT	5
15924 /13266	DEF AT last sample examined	DEF AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 Date of Summary: 09-JAN-1997 First Sample Examined: 5230 Lease Number: G13084 Source of Paleo: OPERATOR **Borehole MD:** 15924 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13266 **API Well Number:** 608105006800 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 72 Paleo Report Num: 2 of 2 **Sample Range:** 5230 - 15924 Water Depth: 1758 Public Info Code: Y 21-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
5230 / 4942	DEF	AT first sample examined	DEF	AT
8290 / 7163	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
11830 / 9750	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
13540 /11157	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
14620 /12086	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14950 /12377	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
15145 /12550	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
15190 /12590	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
15220 /12617	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
15400 /12779	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
15520 /12889	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
15880 /13224	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
15924 /13266	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 Date of Summary: 13-MAR-1997 First Sample Examined: 5000 Lease Number: G13084 Source of Paleo: OPERATOR **Borehole MD:** 13605 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11801 **API Well Number:** 608105006900 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 72 Paleo Report Num: 1 of 2 **Sample Range:** 5000 - 13510 Water Depth: 1758 Public Info Code: Y 17-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u> </u>	<u>Ecozone</u>
5000 / 4909	DEF	AT first sample examined	DEF	AT	
5001 / 4910	DEF	IN cement	DEF	AT	
5060 / 4962	DEF	AT sample gap top	DEF	AT	
5120 / 5015	DEF	AT sample gap bottom	POS	AT	4
5330 / 5200	DEF	AT sample gap top	POS	AT	4
5450 / 5306	DEF	AT sample gap bottom	DEF	AT	4
6020 / 5812	DEF	AT	DEF	AT	5
6980 / 6665	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
7220 / 6877	DEF	AT	DEF	IN	5
8180 / 7728	DEF	AT	DEF	AT	5
10690 / 9793	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS	AT	5
12700 /11163	DEF	AT	DEF	IN	5
12730 /11184	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
12970 /11351	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13180 /11497	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
13510 /11732	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 963 First Sample Examined: 5000 Date of Summary: 13-MAR-1997 Lease Number: G13084 Source of Paleo: OPERATOR **Borehole MD:** 13605 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11801 **API Well Number:** 608105006900 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 72 Paleo Report Num: 2 of 2 **Sample Range:** 5000 - 13510 Water Depth: 1758 Public Info Code: Y 17-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

	MD/TVD		Paleo Top Description			<u>Ecozone</u>
50	000 / 4909	DEF	AT first sample examined	DEF	AT	
72	220 / 6877	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT	
95	590 / 8971	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	
104	180 / 9650	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	ΑT	
115	530 /10369	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	
126	640 /11122	POS	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	ΑT	
128	350 /11267	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	ΑT	
130	030 /11392	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	ΑT	
130	090 /11434	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	ΑT	
131	180 /11497	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	
132	240 /11539	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	
133	360 /11624	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	
135	510 /11732	DEF	AT last sample examined	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 965 Date of Summary: 30-SEP-1996 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G12145 **Borehole MD:** 15370 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15369 **API Well Number:** 608105006200 Drilling Operator: ENI PETROLEUM CO INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 Sample Range: 11000 - 14920 Water Depth: 1694 Public Info Code: Y 08-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT
11540 /11540	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
11630 /11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11900 /11900	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11930 /11930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11960 /11960	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12110 /12110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12410 /12410	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14750 /14749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14920 /14919	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 965 Date of Summary: 28-AUG-1998 First Sample Examined: 11000 Lease Number: G12145 Source of Paleo: OPERATOR **Borehole MD:** 15370 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15369 **API Well Number:** 608105006200 Drilling Operator: ENI PETROLEUM CO INC **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 11000 - 14920 Water Depth: 1694 Public Info Code: Y 08-OCT-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Revised calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
11000 /11000	DEF	AT first sample examined	DEF	AT
11540 /11540	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11630 /11630	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
11900 /11900	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
11930 /11930	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
11960 /11960	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
12110 /12110	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
12410 /12410	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
12620 /12620	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
13190 /13190	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
13400 /13400	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
13670 /13670	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
14920 /14919	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 1010 Date of Summary: 09-JAN-2001 First Sample Examined: 5390 Source of Paleo: OPERATOR Lease Number: G18189 **Borehole MD:** 7867 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 001 **Borehole TVD:** 7866 **API Well Number:** 608104010900 **Drilling Operator:** SHELL DEEPWATER DEVELOPMENT INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 5390 - 7550 Water Depth: 1657 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Hurricane Prospect

MD/TVD		Paleo Top Description		ļ	Ecozone
5390 / 5390	DEF	AT first sample examined	DEF	AT	4
5600 / 5600	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	4
5960 / 5960	DEF	AT faunal change (no faunal increase)	DEF	IN	4
5990 / 5990	DEF	AT foram flood	DEF	IN	4
6260 / 6260	DEF	AT faunal change (no faunal increase)	DEF	AT	4
6290 / 6290	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
6350 / 6350	DEF	AT faunal change (no faunal increase)	DEF	IN	4
6410 / 6410	DEF	AT faunal change (no faunal increase)	DEF	AT	4
6830 / 6830	DEF	AT faunal change (no faunal increase)	DEF	IN	4
6890 / 6890	DEF	AT faunal change (no faunal increase)	DEF	AT	4
6920 / 6920	DEF	AT faunal change (no faunal increase)	DEF	AT	4
6980 / 6980	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	4
7009 / 7009	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	4
7010 / 7010	POS	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	4
7040 / 7040	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
7130 / 7130	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
7250 / 7250	DEF	IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
7310 / 7310	DEF	AT gypsum	DEF	AT	4
7370 / 7370	DEF	AT faunal change (no faunal increase)	DEF	AT	4
7429 / 7429	DEF	AT gypsum	DEF	AT	4
7430 / 7430	POS	IN gouge	DEF	AT	4
7520 / 7520	DEF	AT salt	DEF	AT	4

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:EW 1010Date of Summary:09-JAN-2001First Sample Examined:5390Lease Number:G18189Source of Paleo:OPERATORBorehole MD:7867Well Name:001Paleo Done By:TOTAL BIOSTRATIGRPHIC SERVICES, INC.Borehole TVD:7866

API Well Number: 608104010900 Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation: 82

Paleo Report Num: 1 of 1 Sample Range: 5390 - 7550 Water Depth: 1657

Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y

MD/TVD Paleo Top Description

7550 / 7550 DEF AT last sample examined DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 1010 Date of Summary: 28-NOV-2000 First Sample Examined: 0 Lease Number: G18189 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 26048 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 25989 **API Well Number:** 608104010901 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 2 Sample Range: Water Depth: 1657 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Hurricane Prospect, company-integrated foram and nanno report, in=sand

MD/TVD		Paleo Top Description		Ecozone
6710 / 6710	DEF	IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
7323 / 7323	DEF	AT domal material	DEF	AT
14805 /14770	DEF	AT base of salt	DEF	AT
15170 /15134	DEF	AT out-of-place section	DEF	AT
15300 /15264	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
15770 /15734	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
16250 /16214	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17260 /17223	DEF	IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT
18715 /18674	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
19750 /19708	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
21430 /21387	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
22750 /22705	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
25360 /25306	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: EW 1010 Date of Summary: 01-MAR-2001 First Sample Examined: 5390 Lease Number: G18189 Source of Paleo: OPERATOR **Borehole MD:** 26048 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 25989 **API Well Number:** 608104010901 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 5390 - 26020 Water Depth: 1657 Public Info Code: Y 30-JUN-2005 Paleo ID: 002 **Ecozone Eq MMS:**

Remark: Hurricane Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
5600 / 5600	DEF	AT first sample examined	DEF	AT
5601 / 5601	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
6860 / 6860	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
6920 / 6920	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
7010 / 7010	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7040 / 7040	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
7070 / 7070	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
7130 / 7130	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
7250 / 7250	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
15770 /15734	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
15920 /15884	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
16100 /16064	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
16300 /16264	POS	AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF	AT
17110 /17073	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
17200 /17163	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
18460 /18419	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
18700 /18659	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
19810 /19768	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
21430 /21387	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
22750 /22705	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
25360 /25306	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
26020 /25962	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GA 151 Date of Summary: 06-AUG-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15740 **Borehole MD:** 11370 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 11368 **API Well Number:** 427064039200 **Drilling Operator: MARINER ENERGY INC Rkb Elevation:** 97 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 53 Public Info Code: Y 23-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6900 / 6899	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9105 / 9104	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9378 / 9377	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GA 213	Date of Summary: 03-JUN-1998	First Sample Examined:	0
Lease Number: G17120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8805
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8802
API Well Number: 427064040700	Drilling Operator: STONE ENERGY LLC	Rkb Elevation:	84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	60
Public Info Code: Y 25-JAN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
6540 / 6538	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8580 / 8577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GA 272	Date of Summary: 29-MAY-1997	First Sample Examined:	0
Lease Number: G12497	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10018
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD:	9058
API Well Number: 427064039400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation:	98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	62
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6710 / 6537	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
7530 / 7137	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8614 / 7889	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GA 301 Date of Summary: 16-APR-1996 0 Lease Number: G12502 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 13250 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 11886 **API Well Number:** 427064037700 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 97 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 61 Public Info Code: Y 06-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10677 / 9577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11436 /10249	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GA 301 Date of Summary: 07-MAY-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14833 **Borehole MD:** 13055 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 11697 **API Well Number:** 427064038100 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 96 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 61

Remark:

Public Info Code: Y 29-MAR-2006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9402 / 8333	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11390 /10144	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GA 301	Date of Summary: 30-NOV-1995	First Sample Examined:	0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13915
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	11427
API Well Number: 427064036700	Drilling Operator: APACHE CORPORATION	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	61
Public Info Code: Y 07-SEP-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8390 / 8027	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9640 / 8791	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11940 /10202	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GA 303	Date of Summary: 08-MAY-1997	First Sample Examined:	2570
Lease Number: G04565	Source of Paleo: OPERATOR	Borehole MD:	7000
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	7000
API Well Number: 427064039500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation:	91
Paleo Report Num: 1 of 1	Sample Range: 2510 - 7000	Water Depth:	65
Public Info Code: Y 24-APR-2007	Ecozone Eg MMS: Y	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description		Ecozone
2510 / 2510	DEF AT first sample examined	DEF AT	2
2960 / 2960	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT	2
5660 / 5659	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT	2
6830 / 6829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT	2
7000 / 6999	DEF AT last sample examined	DEF AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GA 303 Date of Summary: 16-JUN-1997 First Sample Examined: 4000 Source of Paleo: OPERATOR Lease Number: G04565 **Borehole MD:** 10331 Paleo Done By: PALEO-DATA, INC. Well Name: A002 **Borehole TVD:** 9900 **API Well Number:** 427064039800 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC **Rkb Elevation:** 90 Paleo Report Num: 1 of 1 Sample Range: 4000 - 10331 Water Depth: 65 Public Info Code: Y 18-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
4000 / 3999	DEF	AT first sample examined	DEF A	Γ 1
4870 / 4868	DEF	AT faunal change (no faunal increase)	DEF A	Γ 2
7780 / 7503	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	Г 3
8170 / 7859	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF A	Г 3
8200 / 7887	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF A	Г 3
9100 / 8724	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF A	Г 3
9730 / 9321	POS	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF A	Г 3
10331 / 9901	DEF	AT last sample examined	DEF A	Г 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GA 303 Date of Summary: 08-NOV-1996 First Sample Examined: 4000 Source of Paleo: OPERATOR Lease Number: G04565 **Borehole MD:** 9350 Paleo Done By: PALEO-DATA, INC. Well Name: B001 **Borehole TVD:** 9350 **API Well Number:** 427064039000 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC **Rkb Elevation:** 90 Paleo Report Num: 1 of 1 **Sample Range:** 4000 - 9370 Water Depth: 64 Public Info Code: Y 18-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		Ecozone
4000 / 4000	DEF AT first sample examined	DEF AT	· 1
6400 / 6399	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT	. 2
7000 / 6999	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT	. 3
7180 / 7179	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT	. 3
7930 / 7929	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT	. 3
8500 / 8499	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT	. 3
9370 /	DEF AT last sample examined	DEF AT	. 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GA 343 Date of Summary: 29-SEP-1995 6500 Source of Paleo: OPERATOR Lease Number: G06105 **Borehole MD:** 11500 Paleo Done By: PALEO CONTROL INC. Well Name: 010 **Borehole TVD:** 11500 **API Well Number:** 427064037200 **Drilling Operator: WACKER OIL INC Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 6500 - 11500 Water Depth: 72 Public Info Code: Y 20-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
6500 / 6499	DEF	AT first sample examined	DEF	AT 1
6501 / 6500	POS	IN Middle Miocene	DEF .	AT 1
6559 / 6558	POS	AT unconformity	DEF .	AT 1
6560 / 6559	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF .	AT 1
6590 / 6589	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF .	AT 1
6620 / 6619	DEF	AT	DEF	IN 1
7040 / 7039	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF .	AT 2
7070 / 7069	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF .	AT 2
8030 / 8029	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF .	AT 1
8330 / 8329	DEF	AT	DEF	IN 2
8480 / 8479	DEF	AT	DEF .	AT 2
8630 / 8629	DEF	AT	DEF	IN 1
8720 / 8719	DEF	AT	DEF .	AT 2
9200 / 9199	DEF	AT	DEF	IN 2
9350 / 9349	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF .	AT 2
9700 / 9699	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF .	AT 2
10040 /10039	DEF	AT	DEF .	AT 3
10700 /10698	POS	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF .	AT 3
11500 /11498	DEF	AT last sample examined	DEF .	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GA 344 Date of Summary: 25-JAN-2006 First Sample Examined: 7500 Source of Paleo: OPERATOR Lease Number: G22214 **Borehole MD:** 10682 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10531 **API Well Number:** 427064045101 **Drilling Operator:** GRYPHON EXPLORATION COMPANY **Rkb Elevation:** 83 Paleo Report Num: 1 of 1 **Sample Range:** 7500 - 9300 Water Depth: 69 Public Info Code: Y 22-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
7500 / 7397	DEF	AT first sample examined	DEF II	N 3
7501 / 7398	DEF	IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF II	N 3
7650 / 7540	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF II	N 3
7890 / 7771	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF II	N 3
7980 / 7858	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF II	N 3
9300 / 9160	DEF	AT last sample examined	DEF II	N 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GA A 177	Date of Summary: 06-MAR-2006	First Sample Examined:	509
Lease Number: G24387	Source of Paleo: OPERATOR	Borehole MD:	1300
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	1300
API Well Number: 427074010500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation:	87
Paleo Report Num: 1 of 1	Sample Range: 509 - 1300	Water Depth:	195
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: Y	Paleo ID:	001

Remark: Foram species abundance and diversity chart available, see report for details

MD/	TVD		Paleo Top Description		Ec	cozone
509 /	509	DEF	AT first sample examined	DEF	AT	3
510 /	510	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	3
680 /	680	DEF	AT	DEF	AT	2
1100 /	1100	POS	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	2
1300 /	1300	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 72 Date of Summary: 24-MAY-1996 First Sample Examined: 0 Lease Number: G13363 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 5557 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 5504 **API Well Number:** 608074014600 **Drilling Operator:** FLEXTREND DEVELOPMENT COMPANY LLC **Rkb Elevation:** 100

> Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 517

Public Info Code: Y 19-MAY-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone** DEF AT Middle Pleistocene (Ionian) Trimosina "A" DEF AT 4850 / 4799

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5730

5626

151

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001

Ecozone

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 72 Lease Number: G13363

Well Name: A002 **API Well Number:** 608074014700 Paleo Report Num: 1 of 1

Date of Summary: 02-MAY-1996 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Paleo Done By: OPERATOR

Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC Sample Range: 0 - 0 **Ecozone Eq MMS:**

First Sample Examined: **Borehole MD: Borehole TVD: Rkb Elevation:** Water Depth: Paleo ID:

Remark:

Public Info Code: Y 29-APR-2006

MD/TVD

Paleo Top Description

DEF AT

5116 / 5043

DEF AT Middle Pleistocene (Ionian) Trimosina "A"

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Borehole TVD:

Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 72 Date of Summary: 18-NOV-1996 First Sample Examined: 0 **Borehole MD:** 7015

Lease Number: G13363 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A004 Paleo Done By: OPERATOR

6201 **API Well Number:** 608074015300 **Drilling Operator:** FLEXTREND DEVELOPMENT COMPANY LLC **Rkb Elevation:** 151

Sample Range: 0 - 0 Paleo Report Num: 1 of 1

Public Info Code: Y 25-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Middle Pleistocene (Ionian) Trimosina "A" DEF AT 5830 / 5197

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 72	Date of Summary: 06-JAN-1997	First Sample Examined:	0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	5833
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD:	5445
API Well Number: 608074015500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation:	155
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	520
Public Info Code: Y 12-DEC-2006	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD Paleo Top Description Ecozone
4956 / 4636 DEF AT Middle Pleistocene (Ionian) Trimosina "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 117 Date of Summary: 20-FEB-1997 First Sample Examined: 11005 Source of Paleo: OPERATOR 16297 Lease Number: G12631 **Borehole MD:** Paleo Done By: PALEO-DATA, INC. Well Name: 002 **Borehole TVD:** 14001 **API Well Number:** 608074014900 **Drilling Operator:** FLEXTREND DEVELOPMENT COMPANY LLC **Rkb Elevation:** 102 Paleo Report Num: 1 of 2 **Sample Range:** 11005 - 13940 Water Depth: 924 Public Info Code: Y 28-NOV-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecoz	zone
11005 / 9681	DEF	AT first sample examined	POS	AT	5
11006 / 9682	DEF	AT cement	POS	AT	5
11090 / 9751	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
11180 / 9826	DEF	AT	DEF	IN	5
11930 /10443	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
13670 /11873	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13940 /12094	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 117 Date of Summary: 20-FEB-1997 First Sample Examined: 11005 Source of Paleo: OPERATOR Lease Number: G12631 **Borehole MD:** 16297 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14001 **API Well Number:** 608074014900 **Drilling Operator:** FLEXTREND DEVELOPMENT COMPANY LLC **Rkb Elevation:** 102 Paleo Report Num: 2 of 2 **Sample Range:** 11005 - 13940 Water Depth: 924 Public Info Code: Y 28-NOV-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
11005 / 9681	DEF AT first sample examined	DEF AT
11090 / 9751	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11900 /10418	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
12560 /10963	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13100 /11405	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13520 /11749	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13670 /11873	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 /11996	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13940 /12094	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 117 Date of Summary: 29-MAY-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G12631 **Borehole MD:** 17517 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 15940 **API Well Number:** 608074014901 Drilling Operator: MANTA RAY GATHERING COMPANY LLC **Rkb Elevation:** 102 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 924 Public Info Code: Y 15-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13750 /12253	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15530 /13990	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16490 /14934	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16790 /15228	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16940 /15375	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 12-JUN-1996 First Sample Examined: 2050 Lease Number: G11455 Source of Paleo: OPERATOR **Borehole MD:** 16535 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 1 of 6 **Sample Range:** 2050 - 14380 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
2050 / 2050	DEF	AT first sample examined	DEF	AT	1
2230 / 2230	DEF	AT faunal change (no faunal increase)	DEF	AT	1
2320 / 2320	POS	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	3
3250 / 3246	DEF	AT faunal change (no faunal increase)	DEF	AT	3
3550 / 3537	DEF	AT faunal change (no faunal increase)	DEF	AT	3
3760 / 3734	DEF	AT faunal change (no faunal increase)	DEF	AT	2
3820 / 3790	DEF	AT faunal change (no faunal increase)	DEF	AT	3
4270 / 4207	DEF	AT faunal change (no faunal increase)	DEF	AT	2
4480 / 4391	DEF	AT faunal change (no faunal increase)	DEF	AT	3
4660 / 4543	DEF	AT faunal change (no faunal increase)	DEF	AT	3
4690 / 4568	DEF	AT faunal change (no faunal increase)	DEF	AT	4
4720 / 4593	DEF	AT faunal change (no faunal increase)	DEF	AT	4
4840 / 4690	DEF	IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF	AT	4
5230 / 4978	DEF	AT faunal change (no faunal increase)	DEF	AT	3
5950 / 5438	DEF	AT faunal change (no faunal increase)	DEF	AT	2
5980 / 5456	DEF	AT faunal change (no faunal increase)	DEF	AT	3
6040 / 5494	DEF	AT local marker foram increase	DEF	AT	3
6430 / 5737	DEF	AT faunal change (no faunal increase)	DEF	AT	3
7270 / 6267	DEF	AT faunal change (no faunal increase)	DEF	AT	2
7390 / 6346	DEF	AT local marker foram increase	DEF	AT	3
7450 / 6385	DEF	AT local marker planktic foram increase	DEF	AT	4
7630 / 6501	DEF	AT faunal change (no faunal increase)	DEF	AT	3

MD / TVD

JNITED STATES DEPARTMENT OF THE INTERIOR MINERALS MANAGEMENT SERVICE GULF OF MEXICO REGION

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 12-JUN-1996 First Sample Examined: 2050 Lease Number: G11455 Source of Paleo: OPERATOR **Borehole MD:** 16535 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 1 of 6 **Sample Range:** 2050 - 14380 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD	_	Paleo Top Description			<u>Ecozone</u>
8590 / 7117	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	4
8770 / 7236	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	4
9220 / 7530	DEF	AT faunal change (no faunal increase)	DEF	AT	3
9310 / 7586	DEF	AT faunal change (no faunal increase)	DEF	AT	4
9520 / 7719	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
9580 / 7757	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
9820 / 7913	DEF	AT faunal change (no faunal increase)	DEF	AT	3
9850 / 7933	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
9970 / 8011	DEF	AT faunal change (no faunal increase)	DEF	AT	3
10000 / 8030	DEF	AT faunal change (no faunal increase)	DEF	AT	4
10210 / 8165	DEF	AT faunal change (no faunal increase)	DEF	ΑT	3
10450 / 8322	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
10570 / 8397	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	ΑT	4
10600 / 8415	DEF	AT local marker foram increase	DEF	ΑT	4
10660 / 8452	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	ΑT	4
10990 / 8648	DEF	AT local marker planktic foram increase	DEF	ΑT	4
11050 / 8686	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	4
11200 / 8782	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
11230 / 8802	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	ΑT	4
12879 / 9882	DEF	AT base of salt	POS	ΑT	4
12880 / 9883	DEF	AT local marker foram increase	DEF	ΑT	4
12970 / 9940	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
13150 /10055	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13180 /10075	POS	AT faunal change (no faunal increase)	DEF	ΑT	4

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 128	Date of Summary: 12-JUN-1996	First Sample Examined:	2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD:	16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation:	72
Paleo Report Num: 1 of 6	Sample Range: 2050 - 14380	Water Depth:	663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID:	002

MD/TVD	Paleo Top Description	Ecozone	
13240 /10114	DEF AT sample gap top	DEF AT 4	
13330 /10173	DEF AT sample gap bottom	DEF AT 4	
13349 /10185	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4	
13690 /10407	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4	
13825 /10498	DEF AT cement	DEF AT 4	
14380 /10867	DEF AT last sample examined	DEF AT 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 04-OCT-1996 First Sample Examined: 2050 Source of Paleo: OPERATOR Lease Number: G11455 **Borehole MD:** 16535 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 2 of 6 **Sample Range:** 2050 - 14380 Water Depth: 663 Public Info Code: Y 14-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 004

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description		Ecozone
2050 / 2050 DEF	AT first sample examined	DEF	AT
7420 / 6366 DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
8590 / 7117 DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
9370 / 7624 POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
9550 / 7738 DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
10600 / 8415 DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
10930 / 8612 POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
11140 / 8743 DEF	IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF	AT
11350 / 8880 DEF	AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF	AT
11470 / 8956 DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11700 / 9103 DEF	AT salt	DEF	AT
12880 / 9883 DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13750 /10447 POS	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
14380 /10867 DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 08-OCT-1996 First Sample Examined: 13540 Source of Paleo: OPERATOR Lease Number: G11455 **Borehole MD:** 16535 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 3 of 6 **Sample Range:** 13540 - 16540 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Bypass report

MD/TVD		Paleo Top Description		E	cozone
13540 /10308	DEF	AT first sample examined	DEF	AT	4
13630 /10367	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13660 /10387	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13690 /10407	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13720 /10427	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
14110 /10691	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14470 /10923	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN	3
14560 /10976	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14680 /11043	DEF	AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	4
14920 /11169	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
14950 /11185	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
15430 /11481	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15460 /11501	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16540 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 28-NOV-1996 First Sample Examined: 2050 Lease Number: G11455 Source of Paleo: OPERATOR **Borehole MD:** 16535 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 4 of 6 **Sample Range:** 2050 - 14380 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 006

Remark: Enchilada Prospect, company-integrated foram and nanno report, 12880=inverted section at or below Textularia tatumi, 13750=base of inverted

section, in Discoaster brouweri

MD/TVD		Paleo Top Description		E	Ecozone
2050 / 2050	DEF	AT first sample examined	POS	IN	2
2320 / 2320	POS	IN Upper Pleistocene (Ionian) Sangamon fauna	DEF	IN	2
3340 / 3334	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	IN	3
4690 / 4568	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
4720 / 4593	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
4840 / 4690	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
7420 / 6366	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	IN	3
8590 / 7117	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	4
8770 / 7236	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	4
9370 / 7624	POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	4
9519 / 7718	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	4
9520 / 7719	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
9550 / 7738	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	4
9580 / 7757	DEF	IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
10570 / 8397	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
10600 / 8415	DEF	IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
10660 / 8452	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
10930 / 8612	POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	4
11050 / 8686	DEF	IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
11140 / 8743	DEF	IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF	AT	4
11200 / 8782	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 28-NOV-1996 First Sample Examined: 2050 Lease Number: G11455 Source of Paleo: OPERATOR **Borehole MD:** 16535 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 4 of 6 **Sample Range:** 2050 - 14380 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Paleo ID: **Ecozone Eq MMS:** Y 006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11230 / 8802	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11350 / 8880	DEF AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT 4
11470 / 8956	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11700 / 9103	DEF AT salt	POS AT 4
12879 / 9882	DEF AT base of salt	DEF AT 4
12880 / 9883	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12924 / 9911	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13349 /10185	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
13690 /10407	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
13750 /10447	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14380 /10867	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 128 Date of Summary: 28-NOV-1996 First Sample Examined: 13540 Source of Paleo: OPERATOR 16535 Lease Number: G11455 **Borehole MD:** Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 5 of 6 **Sample Range:** 13540 - 16535 Water Depth: 663 Public Info Code: Y 14-DEC-2006 Paleo ID: 007 Ecozone Eq MMS: Y

Remark: Enchilada Prospect, company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone
13540 /10308	DEF AT first sample examined	DEF AT 4
13541 /10309	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT 4
13750 /10447	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14560 /10976	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14890 /11154	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
14920 /11169	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14950 /11185	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
15790 /11728	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
16535 /12213	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 128 Date of Summary: 02-DEC-1996 13540 Source of Paleo: OPERATOR Lease Number: G11455 **Borehole MD:** 16535 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12213 **API Well Number:** 608074082000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 6 of 6 **Sample Range:** 13540 - 16535 Water Depth: 663 Public Info Code: Y 14-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 005

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
13540 /10308	DEF	AT first sample examined	DEF	AT
13541 /10309	POS	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
13750 /10447	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
14560 /10976	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
14890 /11154	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
15790 /11728	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
16535 /12213	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 159 Date of Summary: 27-APR-2006 First Sample Examined: 2660 Source of Paleo: OPERATOR Lease Number: G23270 **Borehole MD:** 7972 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7968 **API Well Number:** 608074027200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 2660 - 7880 Water Depth: 989 Public Info Code: Y 16-NOV-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Consultant-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone
2660 / 2660	DEF AT first sample examined	DEF AT 4
2661 / 2661	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
2750 / 2750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT 4
3770 / 3770	DEF AT	DEF AT 5
3800 / 3800	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5249 / 5248	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT 5
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6829 / 6826	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT 5
6830 / 6827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7880 / 7877	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 01-DEC-1996 First Sample Examined: 5100 Source of Paleo: OPERATOR Lease Number: G13367 **Borehole MD:** 10800 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 10788 **API Well Number:** 608074015800 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 89 Paleo Report Num: 1 of 2 **Sample Range:** 5100 - 10790 Water Depth: 970 Public Info Code: Y 22-DEC-2006 Paleo ID: Ecozone Eq MMS: Y 002

Remark: 7610=Bulimina rostrata, 5400 to 5829 may represent a slump block

MD/TVD		Paleo Top Description		Eco	ozone
5100 / 5094	DEF	AT first sample examined	DEF	IN	2
5101 / 5095	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	2
5220 / 5214	DEF	AT reworked material	DEF	IN	3
5400 / 5394	POS	AT reworked material	DEF	IN	4
5820 / 5813	DEF	AT faunal change (no faunal increase)	DEF	AT	4
5940 / 5933	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
6150 / 6143	DEF	AT local marker foram increase	DEF	AT	4
6550 / 6543	DEF	AT local marker foram increase	DEF	AT	4
6551 / 6544	DEF	AT pyrite	DEF	AT	4
6600 / 6593	DEF	AT faunal change (no faunal increase)	DEF	AT	4
6660 / 6653	DEF	AT local marker foram decrease	POS	AT	4
6890 / 6882	DEF	AT transported shelf fauna	POS	AT	4
6920 / 6912	DEF	AT faunal change (no faunal increase)	DEF	AT	4
7040 / 7032	DEF	AT faunal change (no faunal increase)	DEF	IN	3
7310 / 7301	DEF	AT faunal change (no faunal increase)	DEF	AT	3
7340 / 7331	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	3
7400 / 7391	DEF	AT faunal change (no faunal increase)	DEF	IN	3
7610 / 7601	DEF	AT local marker benthic foram increase	DEF	IN	4
7729 / 7720	DEF	AT pyrite	DEF	IN	4
7730 / 7721	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	4
7850 / 7841	DEF	AT faunal change (no faunal increase)	DEF	AT	4
8060 / 8051	DEF	AT local marker foram decrease	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 01-DEC-1996 First Sample Examined: 5100 Lease Number: G13367 Source of Paleo: OPERATOR **Borehole MD:** 10800 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 10788 **API Well Number:** 608074015800 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 89 Paleo Report Num: 1 of 2 **Sample Range:** 5100 - 10790 Water Depth: 970 Public Info Code: Y 22-DEC-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD		Paleo Top Description		Ec	ozone
8990 / 8980	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF I	IN	3
9139 / 9129	DEF	AT pyrite	DEF I	IN	4
9140 / 9130	DEF	AT local marker foram increase	DEF I	IN	4
9260 / 9250	DEF	AT faunal change (no faunal increase)	POS I	IN	4
9380 / 9370	DEF	AT gypsum	POS I	IN	4
9410 / 9400	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF I	IN	4
9470 / 9460	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF I	IN	4
9560 / 9550	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF I	IN	4
9680 / 9670	POS	AT gouge	DEF I	IN	4
9740 / 9730	DEF	AT gypsum	DEF I	IN	4
9741 / 9731	DEF	IN salt	DEF I	IN	4
10790 /10778	DEF	AT last sample examined	DEF I	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 05-MAY-1997 First Sample Examined: 5100 Source of Paleo: OPERATOR Lease Number: G13367 **Borehole MD:** 10800 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10788 **API Well Number:** 608074015800 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 89 Paleo Report Num: 2 of 2 **Sample Range:** 5100 - 10790 Water Depth: 970 Public Info Code: Y 22-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description			Ecozone
5100 / 5094	DEF AT first sample examined		DEF	AT
5250 / 5244	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania	lacunosa "A"	DEF	AT
5400 / 5394	DEF AT reworked material		DEF	AT
6120 / 6113	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania	ovata	DEF	AT
7700 / 7691	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa	a aperta (acme)	DEF	AT
7820 / 7811	DEF AT Lower Pleistocene (Calabrian) Scyphosphael	ra pulcherima	DEF	AT
9170 / 9160	POS AT Lower Pleistocene (Calabrian) Helicosphaera	a sellii	DEF	AT
9590 / 9580	POS AT Lower Pleistocene (Calabrian) Calcidiscus m	acintyrei	DEF	AT
9890 / 9880	POS AT Upper Pliocene (Gelasian) Discoaster brouw	eri	DEF	AT
9920 / 9910	DEF AT reworked material		DEF	AT
10790 /10778	DEF AT last sample examined		DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 01-FEB-1999 First Sample Examined: 8060 Source of Paleo: OPERATOR Lease Number: G13367 **Borehole MD:** 17650 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 16870 **API Well Number:** 608074015801 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8060 - 17650 Water Depth: 972 Public Info Code: Y 13-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: 9470=Bulimina rostrata, 16940=Uvigerina byrdi

MD/TVD		Paleo Top Description			<u>Ecozone</u>
8060 / 8051	DEF	AT first sample examined	DEF	AT	
8870 / 8831	DEF	AT local marker foram increase	DEF	IN	2
9110 / 9046	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
9170 / 9100	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	4
9380 / 9290	DEF	AT faunal change (no faunal increase)	DEF	IN	4
9470 / 9373	DEF	AT local marker benthic foram increase	DEF	IN	4
9500 / 9401	DEF	AT local marker benthic foram increase	DEF	IN	5
9529 / 9427	DEF	AT pyrite	DEF	IN	5
9530 / 9428	DEF	AT local marker deep water fauna	DEF	IN	5
10310 /10151	DEF	AT local marker foram decrease	DEF	IN	5
10340 /10179	DEF	AT faunal change (no faunal increase)	DEF	AT	5
10459 /10290	DEF	AT condensed section	DEF	ΑT	5
10460 /10291	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	5
10520 /10347	DEF	AT local marker planktic foram increase	DEF	AT	5
10580 /10403	DEF	AT shell fragments	DEF	AT	5
10700 /10515	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	5
11060 /10847	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
11300 /11067	DEF	AT faunal change (no faunal increase)	DEF	AT	5
11390 /11149	DEF	AT local marker foram decrease	POS	AT	5
11570 /11314	DEF	AT faunal change (no faunal increase)	POS	AT	5
11750 /11481	POS	AT Upper Pliocene (Gelasian) Globorotalia exilis	POS	AT	5
11960 /11676	DEF	AT local marker foram increase	DEF	IN	5

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 01-FEB-1999 First Sample Examined: 8060 Source of Paleo: OPERATOR Lease Number: G13367 **Borehole MD:** 17650 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16870 **API Well Number:** 608074015801 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8060 - 17650 Water Depth: 972 Public Info Code: Y 13-FEB-2007 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD_		Paleo Top Description			Ecoz	zone
11990 /11704	DEF	AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	=	N	5
12410 /12094	DEF	AT faunal change (no faunal increase)	POS	3 I	N	5
12740 /12400	DEF	AT local marker benthic foram increase	POS	3 I	N	5
12770 /12428	DEF	AT faunal change (no faunal increase)	DEF	- J	N	5
12979 /12622	DEF	AT condensed section	DEF	= r	N	5
12980 /12623	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	= r	N	5
13040 /12679	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	= r	N	5
13100 /12734	DEF	AT Arenaceous fauna (local marker)	DEF	= r	N	5
13160 /12789	DEF	AT ash	DEF	- J	N	5
13460 /13065	DEF	AT faunal change (no faunal increase)	DEF	- /	Α Τ	5
13550 /13147	DEF	AT local marker foram decrease	DEF	- /	Α Τ	5
13580 /13175	DEF	AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	- /	Α Τ	5
13640 /13230	DEF	AT faunal change (no faunal increase)	POS	3 F	Α Τ	4
13940 /13504	DEF	AT local marker foram increase	DEF	= r	N	5
14060 /13613	DEF	AT faunal change (no faunal increase)	DEF	- 4	AΤ	4
14120 /13667	DEF	AT Eggerella 3 (local marker)	DEF	- 4	AΤ	4
14240 /13775	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	- 4	AΤ	4
14300 /13829	DEF	AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF	- /	Α Τ	4
14360 /13884	DEF	AT faunal change (no faunal increase)	POS	3 F	Α Τ	4
15080 /14535	POS	AT local marker foram increase	DEF	- 4	AΤ	4
15290 /14725	DEF	AT sample gap top	POS	3 F	AΤ	4
15369 /14796	DEF	AT sample gap bottom	DEF	- 4	AΤ	5
15370 /14796	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	- <i>F</i>	Λ Τ	5
15490 /14905	DEF	AT local marker planktic foram increase	DEF	- /	AT.	5

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 01-FEB-1999 First Sample Examined: 8060 Source of Paleo: OPERATOR Lease Number: G13367 **Borehole MD:** 17650 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16870 **API Well Number:** 608074015801 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8060 - 17650 Water Depth: 972 Public Info Code: Y 13-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		E	cozone
15520 /14932	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
15670 /15068	POS	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	AT	5
15730 /15122	DEF	AT reworked material	DEF	AT	5
15890 /15266	DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT	5
15950 /15321	DEF	AT local marker foram decrease	DEF	AT	5
16280 /15619	DEF	AT local marker foram increase	DEF	IN	5
16340 /15673	DEF	AT Arenaceous fauna (local marker)	DEF	AT	5
16400 /15728	DEF	AT local marker foram increase	DEF	IN	5
16460 /15782	DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF	IN	5
16580 /15891	DEF	AT faunal change (no faunal increase)	DEF	AT	5
16640 /15946	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	AT	5
16940 /16219	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
17090 /16357	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	5
17240 /16494	DEF	AT local marker foram decrease	POS	AT	4
17568 /16795	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
17569 /16796	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
17570 /16797	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
17600 /16825	DEF	AT faunal change (no faunal increase)	DEF	IN	5
17650 /16871	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 161 Date of Summary: 22-OCT-1999 First Sample Examined: 0 Lease Number: G13367 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 17650 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16870 **API Well Number:** 608074015801 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 Sample Range: 0 - 0 Water Depth: 972 Public Info Code: Y 13-FEB-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
5250 / 5244	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
9115 / 9051	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
10100 / 9957	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
10460 /10291	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11930 /11648	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
12980 /12623	POS	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT
13280 /12900	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
14240 /13775	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
15550 /14959	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 17-MAY-2005 Area Block: GB 171 First Sample Examined: 5900 Lease Number: G21379 Source of Paleo: OPERATOR **Borehole MD:** 17594 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17315 **API Well Number:** 608074026700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 5900 - 17594 Water Depth: 921 Public Info Code: Y 30-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
5900 / 5899	DEF	AT first sample examined	DEF	AT
6140 / 6139	POS	IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
6260 / 6259	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
7370 / 7369	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9800 / 9799	DEF	AT sample gap top	DEF	AT
11230 /11228	DEF	AT sample gap bottom	DEF	AT
11270 /11268	POS	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11630 /11628	POS	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
11990 /11988	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
13010 /13007	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
13212 /13209	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
13220 /13217	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT
13340 /13337	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
13370 /13367	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
13430 /13426	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
13610 /13606	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13850 /13845	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13940 /13934	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
14210 /14202	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
14270 /14261	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
14330 /14321	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
14480 /14470	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 171 First Sample Examined: 5900 Date of Summary: 17-MAY-2005 Lease Number: G21379 Source of Paleo: OPERATOR **Borehole MD:** 17594 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17315 **API Well Number:** 608074026700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 5900 - 17594 Water Depth: 921 Public Info Code: Y 30-NOV-2007 Paleo ID: **Ecozone Eq MMS:** 002

MD/TVD	Paleo Top Description	Ecozone
14660 /14650	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14779 /14769	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14780 /14770	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15140 /15127	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15860 /15808	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16340 /16232	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17210 /16978	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17420 /17161	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17480 /17214	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17594 /17315	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 171 Date of Summary: 23-MAY-2005 First Sample Examined: 5900 Source of Paleo: OPERATOR Lease Number: G21379 **Borehole MD:** 17594 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17315 **API Well Number:** 608074026700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 Sample Range: 5900 - 17594 Water Depth: 921 Public Info Code: Y 30-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
5900 / 5899	DEF	AT first sample examined	DEF	AT	4
6170 / 6169	DEF	AT	DEF	AT	5
6860 / 6859	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
8840 / 8839	DEF	AT	DEF	IN	5
9200 / 9199	DEF	AT	DEF	AT	5
9800 / 9799	DEF	AT sample gap top	POS	AT	5
11231 /11229	DEF	AT sample gap bottom	DEF	AT	5
11690 /11688	POS	IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT	5
12620 /12618	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
12710 /12708	DEF	AT	DEF	AT	5
12950 /12947	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
13250 /13247	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
13280 /13277	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
13340 /13337	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
13370 /13367	DEF	AT	DEF	AT	6
13430 /13426	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
13610 /13606	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
13670 /13666	DEF	AT	DEF	AT	5
13790 /13785	DEF	AT	DEF	IN	5
13970 /13964	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	5
14450 /14440	DEF	AT	DEF	AT	5
14750 /14740	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 171 Date of Summary: 23-MAY-2005 First Sample Examined: 5900 Lease Number: G21379 Source of Paleo: OPERATOR **Borehole MD:** 17594 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17315 **API Well Number:** 608074026700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 5900 - 17594 Water Depth: 921 Public Info Code: Y 30-NOV-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		<u>E</u> (cozone
15260 /15244	DEF	AT	DEF	IN	5
15290 /15273	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF	IN	5
15500 /15473	DEF	AT	DEF	AT	5
15889 /15834	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
15890 /15835	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
16340 /16232	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
16460 /16337	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
17210 /16978	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
17330 /17083	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
17420 /17161	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
17480 /17214	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
17594 /17315	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 172 Date of Summary: 17-MAY-1995 First Sample Examined: 1840 Lease Number: G14221 Source of Paleo: OPERATOR **Borehole MD:** 13680 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13100 **API Well Number:** 608074081700 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 73 Paleo Report Num: 1 of 2 **Sample Range:** 1840 - 13680 Water Depth: 818 Public Info Code: Y 28-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		Ecozone
1840 / 1840	DEF AT first sample examined	DEF A	AT 4
3730 / 3730	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF A	AT 4
6130 / 6129	DEF AT	POS A	AT 5
7150 / 7100	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	POS A	AT 5
10060 / 9761	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS A	AT 5
11080 /10694	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	POS A	AT 5
11440 /11023	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS A	AT 5
13480 /12914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS A	AT 5
13680 /13101	DEF AT last sample examined	POS A	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 172 First Sample Examined: 1840 Date of Summary: 18-MAY-1995 Lease Number: G14221 Source of Paleo: OPERATOR **Borehole MD:** 13680 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13100 **API Well Number:** 608074081700 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 73 Paleo Report Num: 2 of 2 **Sample Range:** 1840 - 13680 Water Depth: 818 Public Info Code: Y 28-APR-2005 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
1840 / 1840	DEF	AT first sample examined	DEF A	Α Τ
2800 / 2800	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF A	ΑT
3880 / 3880	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF A	AT.
6070 / 6070	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF A	AT.
6130 / 6129	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF A	ΑT
7150 / 7100	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF A	AT.
7690 / 7594	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF A	AT.
10930 /10558	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF A	AT.
11409 /10994	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF A	AT.
11410 /10995	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF A	AT.
13419 /12857	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF A	AT.
13420 /12858	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF A	AT.
13680 /13101	DEF	AT last sample examined	DEF A	AT.

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 197 Date of Summary: 17-FEB-2003 First Sample Examined: 1848 Source of Paleo: OPERATOR Lease Number: G19084 **Borehole MD:** 7861 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7857 **API Well Number:** 608074025300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 1 of 2 **Sample Range:** 1848 - 7862 Water Depth: 782 Public Info Code: Y 19-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
1848 / 1848	DEF AT first sample examined	DEF AT
2310 / 2310	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
5070 / 5070	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
5850 / 5850	DEF AT out-of-place section	DEF AT
6990 / 6989	POS AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7835 / 7831	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
7862 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 197 Date of Summary: 21-FEB-2003 First Sample Examined: 1848 Source of Paleo: OPERATOR Lease Number: G19084 **Borehole MD:** 7861 Paleo Done By: PALEO-DATA, INC. Well Name: 001 **Borehole TVD:** 7857 **API Well Number:** 608074025300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 2 of 2 **Sample Range:** 1848 - 7862 Water Depth: 782 Public Info Code: Y 19-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
1848 / 1848	DEF AT first sample examined	DEF AT 4
3180 / 3180	DEF AT	DEF IN 4
3840 / 3840	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
5850 / 5850	DEF AT out-of-place section	DEF IN 4
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 4
7440 / 7438	DEF AT out-of-place section	DEF IN 4
7862 /	DEF AT last sample examined	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 197	Date of Summary: 21-AUG-2003	First Sample Examined:	4820
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD:	7327
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	6773
API Well Number: 608074025800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation:	74
Paleo Report Num: 1 of 2	Sample Range: 4820 - 7327	Water Depth:	561
Public Info Code: Y 19-JUN-2007	Ecozone Ea MMS: Y	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description		E	cozone
4820 / 4459	DEF AT first sample examined	DEF	AT	5
5120 / 4704	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
7327 / 6772	DEF AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 197 Date of Summary: 21-AUG-2003 First Sample Examined: 4820 Source of Paleo: OPERATOR Lease Number: G19084 **Borehole MD:** 7327 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 6773 **API Well Number:** 608074025800 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 74 Paleo Report Num: 2 of 2 **Sample Range:** 4820 - 7327 Water Depth: 561 Public Info Code: Y 19-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4820 / 4459	DEF AT first sample examined	DEF AT
4821 / 4460	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
7327 / 6772	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 215 Date of Summary: 01-MAR-1995 First Sample Examined: 2625 Lease Number: G09216 Source of Paleo: OPERATOR **Borehole MD:** 16837 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16500 **API Well Number:** 608074081500 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 99 Paleo Report Num: 1 of 2 **Sample Range:** 2625 - 16837 Water Depth: 1611 Public Info Code: Y 08-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			Ecozone
2625 / 2625	DEF	AT first sample examined	DEF	AT	4
2750 / 2750	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
2840 / 2840	DEF	AT	DEF	AT	5
4700 / 4700	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	ΑT	5
5420 / 5420	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	5
11060 /11060	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	ΑT	5
12260 /12239	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	ΑT	5
13070 /12993	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	ΑT	5
13340 /13245	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	ΑT	5
15620 /15365	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	ΑT	5
16460 /16147	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	5
16760 /16428	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	ΑT	5
16837 /16500	DEF	AT last sample examined	DEF	ΑT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 215 Date of Summary: 02-MAR-1996 First Sample Examined: 2625 Lease Number: G09216 Source of Paleo: OPERATOR **Borehole MD:** 16837 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16500 **API Well Number:** 608074081500 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 99 Paleo Report Num: 2 of 2 **Sample Range:** 2625 - 16837 Water Depth: 1611 Public Info Code: Y 08-MAR-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
2625 / 2625	DEF	AT first sample examined	DEF	AT
2626 / 2626	DEF	IN Upper Pleistocene (Ionian) Emiliania huxleyi (base of acme)	DEF	AT
3980 / 3980	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
7640 / 7640	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
9679 / 9679	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
9680 / 9680	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
10850 /10850	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
12230 /12210	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
12560 /12520	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
13340 /13245	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
13370 /13273	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
13430 /13329	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
15650 /15393	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
16400 /16091	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
16430 /16119	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
16610 /16287	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
16837 /16500	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 215 Date of Summary: 17-JAN-1997 0 Lease Number: G09216 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 17016 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 17000 **API Well Number:** 608074015900 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1462 Public Info Code: Y 05-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11870 /11857	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13700 /13687	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14030 /14016	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15350 /15336	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 215 Date of Summary: 08-APR-1997 First Sample Examined: 0 Lease Number: G09216 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 21692 Paleo Done By: OPERATOR Well Name: 004 **Borehole TVD:** 21683 **API Well Number:** 608074016000 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1451 Public Info Code: Y 07-MAR-2007 Ecozone Eq MMS: Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
11240 /11235	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
13600 /13595	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT
15460 /15455	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
18120 /18114	DEF	AT salt	DEF	AT
19060 /19053	DEF	AT base of salt	DEF	AT
19600 /19592	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 215	Date of Summary: 13-JUN-1995	First Sample Examined:	0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	20171
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	18483
API Well Number: 608074081502	Drilling Operator: HESS CORPORATION	Rkb Elevation:	83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	1611

Remark:

Public Info Code: Y 30-MAY-2005

MD/TVD	Paleo Top Description	Ecozone
13580 /13162	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
16170 /15252	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 215 Date of Summary: 13-JUN-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14224 **Borehole MD:** 20826 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 18331 **API Well Number:** 608074081503 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 83 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1611

Remark:

Public Info Code: Y 19-JUN-2005

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17190 /16036	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
18110 /16623	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 216 Date of Summary: 09-JAN-1996 First Sample Examined: 2600 Lease Number: G14224 Source of Paleo: OPERATOR **Borehole MD:** 16782 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16776 **API Well Number:** 608074081900 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 2600 - 16782 Water Depth: 1456 Public Info Code: Y 07-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
2600 / 2600	DEF	AT first sample examined	DEF	AT	4
2690 / 2690	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
3800 / 3800	DEF	AT	DEF	AT	5
6890 / 6890	DEF	AT	DEF	AT	4
9260 / 9260	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
12650 /12649	DEF	AT	DEF	AT	5
12770 /12769	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
13610 /13609	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
14210 /14208	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
16160 /16152	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
16310 /16302	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
16520 /16511	POS	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
16610 /16600	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
16782 /16771	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 216 Date of Summary: 27-OCT-1997 0 Lease Number: G14224 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 20500 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 20400 **API Well Number:** 608074016700 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1447 Public Info Code: Y 27-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
9290 / 9290	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT
11480 /11480	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
15140 /15054	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT
15980 /15882	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
16250 /16151	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT
16310 /16211	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
16520 /16421	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT
18440 /18340	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 235 Date of Summary: 20-AUG-1990 First Sample Examined: 1700 Source of Paleo: OPERATOR Lease Number: G07454 **Borehole MD:** 11596 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9096 **API Well Number:** 608074062000 Drilling Operator: UNION TEXAS PETROLEUM CORP **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 1700 - 11590 Water Depth: 806 Public Info Code: Y 31-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
1700 / 1700	DEF AT first sample examined	DEF AT
1970 / 1970	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
4280 / 4280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
7610 / 6783	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
11590 / 9093	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 244 Date of Summary: 30-OCT-1997 5670 Source of Paleo: OPERATOR Lease Number: G15860 **Borehole MD:** 17258 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17250 **API Well Number:** 608074017100 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 5670 - 17215 Water Depth: 2124 Public Info Code: Y 14-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
5670 /	DEF	AT first sample examined	DEF	AT	
6480 /	DEF	AT	DEF	AT	4
7770 /	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
15300 /	POS	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
17215 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 244 Date of Summary: 30-OCT-1997 First Sample Examined: 5670 Source of Paleo: OPERATOR Lease Number: G15860 **Borehole MD:** 17258 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17250 **API Well Number:** 608074017100 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 5670 - 17215 Water Depth: 2124 Public Info Code: Y 14-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
5670 /	DEF	AT first sample examined	DEF	AT
6330 /	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
9180 /	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
12090 /	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
12180 /	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
12660 /	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
13770 /	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14520 /	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
15270 /	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
15450 /	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
17215 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 260 Date of Summary: 07-OCT-1998 First Sample Examined: 0

Lease Number: G07462Source of Paleo: COMPLETION REPORT (WELL SUMMARY)Borehole MD:17239Well Name: A001Paleo Done By: OPERATORBorehole TVD:17000

Well Name: A001 Paleo Done By: OPERATOR Borehole TVD: 17000
Well Number: 608074016800 Prilling Operator: HESS CORPORATION 82

API Well Number: 608074016800 Drilling Operator: HESS CORPORATION Rkb Elevation: 82

 Paleo Report Num:
 1 of 1
 Sample Range:
 0 - 0
 Water Depth:
 1648

 Public Info Code:
 Y 01-OCT-2007
 Ecozone Eq MMS:
 Paleo ID:
 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15737 /15499	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16930 /16692	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 260 Date of Summary: 29-JAN-1999

Lease Number: G07462 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A003 Paleo Done By: OPERATOR

API Well Number: 608074016200 Drilling Operator: HESS CORPORATION

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 29-JUN-2007 Ecozone Eq MMS:

First Sample Examined: 0
Borehole MD: 17000
Borehole TVD: 16959
Rkb Elevation: 82
Water Depth: 1646

Paleo ID:

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13976 /13939	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16668 /16628	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 260 Date of Summary: 12-APR-1999 First Sample Examined: 0 Lease Number: G07462 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 17172 Paleo Done By: OPERATOR Well Name: A005 **Borehole TVD:** 16580 **API Well Number:** 608074081801 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 1646

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth:

Public Info Code: Y 06-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15100 /14527	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15735 /15151	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 300 Date of Summary: 18-FEB-2003 First Sample Examined: 4030 Source of Paleo: OPERATOR Lease Number: G19097 **Borehole MD:** 11408 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11159 **API Well Number:** 608074025200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 2 Sample Range: 4030 - 11350 Water Depth: 1750 Public Info Code: Y 31-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF AT
4031 / 4031	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
6730 / 6730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
9730 / 9615	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11350 /11106	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 300	Date of Summary: 19-FEB-2003	First Sample Examined: 4030)
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 11408	}
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11159)
API Well Number: 608074025200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86	;
Paleo Report Num: 2 of 2	Sample Range: 4030 - 11350	Water Depth: 1750)
Public Info Code: Y 31-DEC-2005	Ecozone Eg MMS: Y	Paleo ID: 001	

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
4030 / 4030	DEF	AT first sample examined	DEF IN	٧ 4
4900 / 4900	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN	٧ 4
5020 / 5020	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN	٧ 4
11350 /11106	DEF	AT last sample examined	DEF IN	N 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 300 Date of Summary: 18-FEB-2003 First Sample Examined: 11380 Source of Paleo: OPERATOR Lease Number: G19097 **Borehole MD:** 20421 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19637 **API Well Number:** 608074025201 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 Sample Range: 11380 - 20410 Water Depth: 1732 Public Info Code: Y 31-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
11380 /11101	DEF	AT first sample examined	DEF	AT	
11890 /11580	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	
13120 /12732	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	
13990 /13551	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	
14710 /14224	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT	
14770 /14280	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	
16540 /15928	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	
17200 /16547	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	
18520 /17799	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT	
18640 /17914	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT	1
19420 /18663	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	
19510 /18750	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	
19840 /19070	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT	
20170 /19391	DEF	AT Middle Miocene (Langhian) Discoaster calculosus	DEF	AT	
20260 /19479	DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT	
20380 /19597	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT	
20410 /19626	DEF	AT last sample examined	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 300 Date of Summary: 19-FEB-2003 First Sample Examined: 11320 Source of Paleo: OPERATOR Lease Number: G19097 **Borehole MD:** 20421 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19637 **API Well Number:** 608074025201 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 2 of 2 **Sample Range:** 11320 - 20410 Water Depth: 1732 Public Info Code: Y 31-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
11320 /11045	DEF	AT first sample examined	DEF	AT	5
11800 /11495	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
11890 /11580	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
13120 /12732	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
14770 /14280	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
16540 /15928	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
16930 /16294	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
18580 /17856	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
18640 /17914	DEF	AT	DEF	AT	6
18700 /17971	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
19390 /18634	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	6
19510 /18750	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
19630 /18866	DEF	AT	DEF	AT	5
20410 /19626	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 303 Date of Summary: 11-JAN-2005 First Sample Examined: 6560 Source of Paleo: OPERATOR Lease Number: G17336 **Borehole MD:** 18071 Paleo Done By: PALEO-DATA, INC. Well Name: 002 **Borehole TVD:** 17959 **API Well Number:** 608074026800 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 6560 - 18071 Water Depth: 2151 Public Info Code: Y 25-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
6560 / 6560	DEF	AT first sample examined	DEF	AT	5
6561 / 6561	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
6980 / 6980	DEF	AT	DEF	AT	4
10820 /10819	DEF	AT	DEF	AT	5
10970 /10969	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
11750 /11738	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
11810 /11796	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
11930 /11911	DEF	AT	DEF	AT	4
13010 /12951	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
13220 /13153	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
13670 /13586	DEF	AT	DEF	IN	5
13790 /13702	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13850 /13760	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	5
13910 /13818	DEF	AT	DEF	AT	5
15290 /15181	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
15710 /15601	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
15830 /15721	DEF	AT	DEF	AT	4
16640 /16530	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
17720 /17609	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
18071 /17959	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 303 Date of Summary: 11-JAN-2005 First Sample Examined: 6560 Source of Paleo: OPERATOR Lease Number: G17336 **Borehole MD:** 18071 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17959 **API Well Number:** 608074026800 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 6560 - 18071 Water Depth: 2151 Public Info Code: Y 25-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

	Paleo Top Description		Ecozone
DEF	AT first sample examined	DEF A	AT
DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF A	ΑT
DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF A	ΑT
DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF A	AT
DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF A	ΑT
DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF A	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF A	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF /	ΑT
DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF /	AT
DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF /	AT
DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF /	AT
POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF /	AT
POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF /	AT
DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF /	ΑT
DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF /	AT
DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF /	ΑT
DEF	AT last sample examined	DEF /	AT
	DEF	DEF AT first sample examined DEF IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B" DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (Iarge) DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei DEF AT Upper Pliocene (Gelasian) Discoaster brouweri DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus DEF AT Upper Pliocene (Gelasian) Discoaster surculus DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis POS AT Lower Pliocene (Zanclian) Sphenolithus abies POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT first sample examined DEF IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B" DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (Iarge) DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei DEF AT Upper Pliocene (Gelasian) Discoaster brouweri DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus DEF AT Upper Pliocene (Gelasian) Discoaster surculus DEF AT Upper Pliocene (Gelasian) Discoaster surculus DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis DEF AT Lower Pliocene (Zanclian) Sphenolithus abies DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 303 Date of Summary: 22-FEB-2005 First Sample Examined: 12590 Source of Paleo: OPERATOR 17123 Lease Number: G17336 **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16112 **API Well Number:** 608074026801 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 12590 - 17030 Water Depth: 2228 Public Info Code: Y 25-JUL-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
12590 /12547	DEF	AT first sample examined	DEF	AT	4
12680 /12634	POS	IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
12830 /12780	DEF	AT	DEF	AT	5
13040 /12985	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
13190 /13132	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN	5
13700 /13621	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13760 /13676	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	5
13820 /13729	DEF	AT	DEF	ΑT	5
15260 /14803	DEF	AT	DEF	IN	5
15290 /14823	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
15470 /14948	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
15620 /15051	DEF	AT	DEF	AT	5
16010 /15318	DEF	AT	DEF	IN	5
16370 /15569	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
16430 /15612	DEF	AT	DEF	AT	5
17030 /16044	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 303 Date of Summary: 22-FEB-2005 First Sample Examined: 12590 Source of Paleo: OPERATOR 17123 Lease Number: G17336 **Borehole MD:** Paleo Done By: PALEO-DATA, INC. Well Name: 002 **Borehole TVD:** 16112 **API Well Number:** 608074026801 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 12590 - 17030 Water Depth: 2228 Public Info Code: Y 25-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
12590 /12547	DEF	AT first sample examined	DEF A	ΑΤ
13040 /12985	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF A	ΑT
13190 /13132	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF A	ΑΤ
13610 /13537	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF A	ΑΤ
13700 /13621	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF A	Α Τ
13730 /13648	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF A	ΑΤ
15230 /14782	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF A	4 Τ
15678 /15090	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF A	ΑΤ
16190 /15443	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF A	ΑT
16370 /15569	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF A	ΑΤ
17030 /16044	DEF	AT last sample examined	DEF A	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 329	Date of Summary: 16-FEB-1999	First Sample Examined:	0
Lease Number: G19104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13654
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	13654
API Well Number: 608074019000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	2083
Public Info Code: Y 29-SEP-2006	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5000 / 5000	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7000 / 7000	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT

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Paleo for Public Release (Date Specific)

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Borehole MD:

GULF OF MEXICO REGION

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 329 Date of Summary: 25-MAY-1999 0

Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G19104

Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21186

API Well Number: 608074019001 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 72

0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 2083

Public Info Code: Y 29-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17000 /16988	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
18000 /17985	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 386 Date of Summary: 17-NOV-1997 First Sample Examined: 4226 Lease Number: G10350 Source of Paleo: OPERATOR **Borehole MD:** 20118 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19451 **API Well Number:** 608074016600 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 Sample Range: 4226 - 20120 Water Depth: 2663 Public Info Code: Y 14-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4226 / 4226	DEF AT first sample examined	DEF AT
4460 / 4459	POS IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
6020 / 6017	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
11030 /11026	POS IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
13850 /13768	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
13880 /13795	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
16010 /15702	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18720 /18180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
19530 /18921	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20120 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 386 Date of Summary: 20-NOV-1997 First Sample Examined: 4226 Source of Paleo: OPERATOR Lease Number: G10350 **Borehole MD:** 20118 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19451 **API Well Number:** 608074016600 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 Sample Range: 4226 - 20120 Water Depth: 2663 Public Info Code: Y 14-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
4226 / 4226	DEF AT first sample examined	POS AT	4
4227 / 4227	DEF AT cement	POS AT	4
4370 / 4369	DEF AT	DEF AT	4
4580 / 4579	DEF AT	DEF AT	5
5660 / 5657	DEF AT	DEF IN	5
6110 / 6107	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN	5
6170 / 6167	DEF AT	DEF AT	5
6590 / 6587	DEF AT	DEF AT	4
7580 / 7576	DEF AT	DEF AT	5
7790 / 7786	DEF AT	DEF AT	4
8600 / 8596	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT	4
11240 /11236	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT	4
13880 /13795	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT	5
18750 /18208	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT	5
20120 /	DEF AT last sample examined	DEF AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 387 Date of Summary: 18-JAN-1996 First Sample Examined: 6720 Lease Number: G07485 Source of Paleo: OPERATOR **Borehole MD:** 11486 Well Name: SB001 Paleo Done By: OPERATOR **Borehole TVD:** 11300 **API Well Number:** 608074014000 **Drilling Operator:** ENSERCH EXPLORATION INC **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 6720 - 11490 Water Depth: 2081 Public Info Code: Y 28-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Consultant-integrated foram and nanno report done by Ragan Biostrat, 10200=Globorotalia planispira

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6720 / 6597	DEF AT first sample examined	DEF AT
6839 / 6710	DEF AT sequence boundary	DEF AT
6840 / 6711	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
8009 / 7843	DEF AT sequence boundary	DEF AT
8010 / 7844	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8815	DEF AT local marker foram increase	DEF AT
9150 / 8965	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9419 / 9234	POS AT unconformity	DEF AT
9420 / 9235	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
10200 /10014	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
10410 /10224	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
10980 /10794	DEF AT sequence boundary	DEF AT
11010 /10824	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
11190 /11004	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11430 /11244	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11490 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 387 Date of Summary: 18-JAN-1996 First Sample Examined: 6720 Source of Paleo: OPERATOR Lease Number: G07485 **Borehole MD:** 11400 Paleo Done By: OPERATOR Well Name: SB001 **Borehole TVD:** 11271 **API Well Number:** 608074014001 **Drilling Operator:** ENSERCH EXPLORATION INC **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 6180 - 11400 Water Depth: 2081 Public Info Code: Y 20-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Ragan Biostrat

MD/TVD	Paleo Top Description	Ecozone
6720 / 6609	DEF AT first sample examined	DEF AT
6809 / 6695	DEF AT sequence boundary	DEF AT
6810 / 6696	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
8009 / 7880	DEF AT sequence boundary	DEF AT
8010 / 7881	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8871	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9240 / 9111	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
10499 /10370	DEF AT Cyclammina sp. (local marker)	DEF AT
10500 /10371	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
11400 /11271	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 387 Date of Summary: 17-MAR-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G07485 **Borehole MD:** 19000 Paleo Done By: OPERATOR Well Name: SB003 **Borehole TVD:** 15965 **API Well Number:** 608074015200 **Drilling Operator:** ENSERCH EXPLORATION INC **Rkb Elevation:** 81 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 2081 Public Info Code: Y 15-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11790 / 9520	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
11910 / 9602	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15480 /12483	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17700 /14669	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
18150 /15116	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18360 /15326	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
18450 /15416	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 19-MAY-1997 First Sample Examined: 2800 Lease Number: G15891 Source of Paleo: OPERATOR **Borehole MD:** 8660 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8660 **API Well Number:** 608074016300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 2800 - 8660 Water Depth: 1355 Public Info Code: Y 12-JUN-2007 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Lady Bug Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4239	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
4810 / 4809	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
5440 / 5439	POS AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5530 / 5529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
7520 / 7519	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7820 / 7819	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8480 / 8479	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8660 / 8659	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 29-MAY-1997 First Sample Examined: 2880 Lease Number: G15891 Source of Paleo: OPERATOR **Borehole MD:** 8660 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8660 **API Well Number:** 608074016300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 2800 - 8660 Water Depth: 1355 Public Info Code: Y 12-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Lady Bug Prospect

MD/T	VD		Paleo Top Description		Ec	cozone
2800 / 2	2800 D	DEF	AT first sample examined	POS	AT	2
2920 / 2	2920 D	DEF	AT	DEF	AT	2
3070 / 3	3070 D	DEF	AT	DEF	IN	2
3670 / 3	3670 D	DEF	AT	DEF	IN	3
3790 / 3	3790 D	DEF	AT	DEF	AT	3
3940 / 3	3940 D	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
4179 / 4	1179 D	DEF	AT local marker planktic foram increase	DEF	AT	4
4180 / 4	1180 D	DEF	AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	5
4210 / 4	1209 D	DEF	AT foram flood	DEF	AT	5
4360 / 4	1359 D	DEF	AT	DEF	IN	4
4600 / 4	1599 D	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
4690 / 4	1689 D	DEF	AT	DEF	AT	4
4780 / 4	1779 D	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
4960 / 4	1959 D	DEF	AT	DEF	IN	4
5079 / 5	5078 D	DEF	AT foram flood	DEF	AT	5
5080 / 5	5079 D	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
5200 / 5	5199 D	DEF	AT	DEF	IN	4
5470 / 5	5469 D	DEF	AT	DEF	AT	4
5530 / 5	5529 D	DEF	AT miliolid limestone	DEF	IN	4
5740 / 5	5739 D	DEF	AT local marker benthic foram increase	DEF	IN	4
5950 / 5	5949 D	DEF	AT local marker foram increase	DEF	IN	4
5980 / 5	5979 D	DEF	AT foram flood	DEF	IN	4

MD / TVD

JNITED STATES DEPARTMENT OF THE INTERIOR MINERALS MANAGEMENT SERVICE GULF OF MEXICO REGION

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 29-MAY-1997 First Sample Examined: 2880 Lease Number: G15891 Source of Paleo: OPERATOR **Borehole MD:** 8660 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8660 **API Well Number:** 608074016300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 Sample Range: 2800 - 8660 Water Depth: 1355 Public Info Code: Y 12-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/IVD	Paleo Top Description		EC	ozone
6070 / 6069	DEF AT	DEF	IN	3
6580 / 6579	DEF AT local marker foram increase	DEF	AT	5
6820 / 6819	DEF AT	DEF	IN	4
6850 / 6849	DEF AT	DEF	AT	4
7000 / 6999	DEF AT	DEF	IN	3
7060 / 7059	DEF AT	DEF	AT	4
7150 / 7149	DEF AT local marker planktic foram increase	DEF	AT	4
7390 / 7389	DEF AT	DEF	AT	3
7459 / 7458	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
7460 / 7459	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF	AT	4
7670 / 7669	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
7820 / 7819	DEF AT local marker foram increase	DEF	AT	4
7970 / 7969	DEF AT	DEF	AT	4
8030 / 8029	DEF AT	DEF	IN	4
8330 / 8329	DEF AT	DEF	AT	4
8660 / 8659	DEF AT last sample examined	DEF	AT	4

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 17-JUN-1997 First Sample Examined: 2780 Source of Paleo: OPERATOR Lease Number: G15891 **Borehole MD:** 9011 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8580 **API Well Number:** 608074063400 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 2780 - 9011 Water Depth: 1355 Public Info Code: Y 04-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Lady Bug Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
2780 / 2780	DEF	AT first sample examined	DEF	AT
4270 / 4211	DEF	AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF	AT
4330 / 4266	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
5410 / 5257	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
6430 / 6191	POS	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
7210 / 6906	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
8590 / 8174	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
8830 / 8398	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9011 / 8566	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 17-AUG-1997 First Sample Examined: 2780 Lease Number: G15891 Source of Paleo: OPERATOR **Borehole MD:** 9011 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 8580 **API Well Number:** 608074063400 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 Sample Range: 2780 - 9011 Water Depth: 1355 Public Info Code: Y 04-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Lady Bug Prospect

MD/TVD		Paleo Top Description		Ecozo	ne
2780 / 2780	DEF	AT first sample examined	DEF	IN 2	2
2920 / 2920	DEF	AT local marker benthic foram increase	DEF	AT :	3
4000 / 3962	DEF	AT local marker planktic foram increase	DEF	IN ;	3
4210 / 4156	DEF	AT Turtle Grass fauna = Amphistegina Mound	DEF	IN :	3
4240 / 4183	DEF	AT local marker planktic foram increase	DEF	AT 4	4
4300 / 4238	DEF	AT foram flood	DEF	AT 5	5
4450 / 4376	DEF	AT	DEF	IN 4	4
4540 / 4458	DEF	AT	DEF	AT 4	4
4600 / 4514	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT 4	4
4660 / 4569	DEF	AT	DEF	IN :	3
4780 / 4680	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN :	3
5050 / 4928	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN :	3
5080 / 4956	DEF	AT	DEF	AT 4	4
5110 / 4983	DEF	AT	DEF	AT :	5
5410 / 5257	DEF	AT	DEF	IN 4	4
5500 / 5340	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT :	5
6130 / 5916	DEF	AT	DEF	AT 4	4
6610 / 6356	DEF	AT	DEF	IN :	3
6790 / 6521	DEF	AT	DEF	AT 4	4
7180 / 6878	DEF	AT	DEF	IN 4	4
7330 / 7016	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT 5	5
7450 / 7126	DEF	AT	DEF	IN 4	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 409	Date of Summary: 17-AUG-1997	First Sample Examined:	2780
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD:	9011
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	8580
API Well Number: 608074063400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation:	80
Paleo Report Num: 2 of 2	Sample Range: 2780 - 9011	Water Depth:	1355
Public Info Code: Y 04-JUL-2007	Ecozone Eq MMS: Y	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8230 / 7841	DEF AT	DEF AT 4
8500 / 8091	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
8620 / 8202	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8680 / 8258	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
8890 / 8453	DEF AT	DEF IN 4
9011 / 8566	DEF AT last sample examined	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 16-JUL-1997 First Sample Examined: 2800 Source of Paleo: OPERATOR Lease Number: G15891 **Borehole MD:** 9000 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 6985 **API Well Number:** 608074063500 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 **Sample Range:** 2800 - 9000 Water Depth: 1360 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Lady Bug Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4186	DEF AT local marker floral increase	DEF AT
4900 / 4736	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
5440 / 5110	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
6640 / 5742	POS AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
8020 / 6457	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
8380 / 6646	DEF AT local marker floral increase	DEF AT
9000 / 6985	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 409 Date of Summary: 06-SEP-1997 First Sample Examined: 2800 Source of Paleo: OPERATOR Lease Number: G15891 **Borehole MD:** 9000 Well Name: 003 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 6985 **API Well Number:** 608074063500 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 2800 - 9000 Water Depth: 1360 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Lady Bug Prospect

MD/TVD		Paleo Top Description		E	cozone
2800 / 2800	DEF	AT first sample examined	DEF	AT	3
4180 / 4132	DEF	AT local marker foram increase	DEF	IN	3
4240 / 4186	DEF	IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	5
4270 / 4213	POS	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
4390 / 4318	DEF	AT	DEF	IN	4
4630 / 4521	DEF	AT	DEF	AT	4
4690 / 4570	DEF	AT local marker benthic foram increase	DEF	AT	4
4720 / 4594	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
4900 / 4736	DEF	AT local marker planktic foram increase	DEF	AT	5
5080 / 4871	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
5170 / 4935	DEF	AT local marker benthic foram increase	DEF	AT	5
5380 / 5073	DEF	AT limestone	DEF	AT	5
5470 / 5129	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
5770 / 5302	DEF	AT	DEF	IN	4
5830 / 5334	DEF	AT limestone	DEF	IN	4
6070 / 5456	DEF	AT local marker benthic foram increase	DEF	IN	4
6220 / 5530	DEF	AT	DEF	AT	4
6370 / 5604	DEF	AT	DEF	IN	4
6430 / 5634	DEF	AT	DEF	AT	4
6610 / 5727	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	4
6700 / 5774	DEF	AT	DEF	AT	4
6730 / 5789	DEF	AT	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

A Bl. I OD 400	P.4 10	E - (0 - E	0000
Area Block: GB 409	Date of Summary: 06-SEP-1997	First Sample Examined:	2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD:	9000
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation:	80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 9000	Water Depth:	1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID:	002

MD/TV)	Paleo Top Description		!	<u>Ecozone</u>
6880 / 58	DEF	AT	DEF	IN	3
7960 / 64	26 DEF	AT local marker benthic foram increase	DEF	IN	3
8020 / 64	57 DEF	AT local marker planktic foram increase	DEF	IN	4
8080 / 64	DEF	AT limestone	DEF	IN	4
8980 / 69	74 DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 426 Date of Summary: 15-JUL-1999 First Sample Examined: 20990 Source of Paleo: OPERATOR Lease Number: G07493 **Borehole MD:** 26020 Well Name: A011 Paleo Done By: OPERATOR **Borehole TVD:** 20722 **API Well Number:** 608074008900 **Drilling Operator: SHELL DEEPWATER PRODUCTION INC Rkb Elevation:** 170 Paleo Report Num: 1 of 1 **Sample Range:** 19403 - 26020 Water Depth: 2862 Public Info Code: Y 03-JUL-2006 Paleo ID: Ecozone Eq MMS: N 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
20990 /16349	DEF AT first sample examined	DEF AT
20991 /16350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21980 /17165	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22910 /17991	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
22940 /18017	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
23000 /18071	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23240 /18284	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
24740 /19616	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
25890 /20638	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
26020 /20753	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 458 Date of Summary: 20-JUL-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G19124 **Borehole MD:** 15755 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 15750 **API Well Number:** 608074082100 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 78 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 2183 Public Info Code: Y 30-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: 11940=Glomospira charoides

MD/TVD	Paleo Top Description	Ecozone
4350 / 4349	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5610 / 5606	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
11940 /11936	DEF AT local marker benthic foram increase	DEF AT
13320 /13315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
15120 /15115	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 485 Date of Summary: 23-NOV-1999 First Sample Examined: 4270 Lease Number: G17376 Source of Paleo: OPERATOR **Borehole MD:** 11223 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11087 **API Well Number:** 608074065200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 4270 - 11223 Water Depth: 2753 Public Info Code: Y 31-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 9050=10% TO 20% anhydrite to 9230, 9920=10% to 30% anhydrite 10220, foram species abundance and diversity chart available, see report for

details

MD/TVD		Paleo Top Description		E	cozone
4270 / 4270	DEF	AT first sample examined	DEF	AT	
4271 / 4271	DEF	AT cement	DEF	AT	
4690 / 4690	DEF	AT	DEF	AT	4
5270 / 5270	DEF	AT	DEF	AT	5
5420 / 5420	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
5570 / 5570	DEF	AT	DEF	IN	5
5870 / 5870	DEF	AT	DEF	AT	5
6890 / 6879	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
6980 / 6964	DEF	AT	DEF	IN	5
7370 / 7311	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	5
8570 / 8434	DEF	AT	DEF	AT	5
9050 / 8914	DEF	AT anhydrite	DEF	AT	5
9920 / 9784	DEF	AT anhydrite	DEF	AT	5
10430 /10294	DEF	AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF	AT	5
11223 /11087	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 485 Date of Summary: 23-NOV-1999 First Sample Examined: 4270 Lease Number: G17376 Source of Paleo: OPERATOR **Borehole MD:** 11223 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11087 **API Well Number:** 608074065200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 4270 - 11223 Water Depth: 2753 Public Info Code: Y 31-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
4270 / 4270	DEF	AT first sample examined	DEF	AT
5720 / 5720	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
6530 / 6529	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
7190 / 7155	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
8240 / 8110	DEF	AT local marker floral increase	DEF	AT
10370 /10234	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
10580 /10444	POS	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
11223 /11087	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 487 Date of Summary: 19-DEC-2002 First Sample Examined: 4690 Source of Paleo: OPERATOR Lease Number: G23321 **Borehole MD:** 19043 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18624 **API Well Number:** 608074066600 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 2753 Paleo Report Num: 1 of 2 **Sample Range:** 4690 - 19010 Water Depth: Public Info Code: Y 22-NOV-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4690 / 4690	DEF AT first sample examined	DEF AT
4691 / 4691	POS IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF AT
6250 / 6250	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
10400 /10386	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
12290 /12115	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
12380 /12198	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17750 /17355	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18500 /18091	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
19040 /18622	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 487 Date of Summary: 14-JAN-2003 First Sample Examined: 4690 Source of Paleo: OPERATOR Lease Number: G23321 **Borehole MD:** 19043 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18624 **API Well Number:** 608074066600 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 2753 Paleo Report Num: 2 of 2 **Sample Range:** 4690 - 19010 Water Depth: Public Info Code: Y 22-NOV-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
4690 / 4690	DEF AT first sample examined	DEF IN	4
9400 / 9400	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN	4
11510 /11403	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN	4
14690 /14399	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN	1 4
18500 /18091	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN	1 4
19010 /18592	DEF AT last sample examined	DEF IN	l 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 487 Date of Summary: 19-DEC-2002 First Sample Examined: 9630 Source of Paleo: OPERATOR Lease Number: G23321 **Borehole MD:** 15700 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13957 **API Well Number:** 608074066601 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 1 of 1 **Sample Range:** 9630 - 15700 Water Depth: 2753 Public Info Code: Y 22-NOV-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description			Ecozone
9630 / 9630	DEF AT first sample examined	DE	EF IN	١ 4
10530 /10507	POS IN Middle Pleistocene (Ionian) Trimo	sina "A" D!	EF IN	١ 4
14910 /13449	DEF AT Lower Pleistocene (Calabrian) Glo	oborotalia incisa DI	EF IN	١ 4
15360 /13740	DEF AT out-of-place section	DI	EF IN	١ 4
15600 /13894	DEF AT anhydrite	DI	F A	.Τ
15601 /13894	POS AT salt	DI	F A	.Τ
15700 /13958	DEF AT last sample examined	DI	F A	.Τ

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 07-JUL-1996 First Sample Examined: 8282 Lease Number: G08252 Source of Paleo: OPERATOR **Borehole MD:** 12261 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12140 **API Well Number:** 608074014300 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 1 of 3 Sample Range: 8282 - 12270 Water Depth: 3153 Public Info Code: Y 03-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 003

Remark:

MD/TVD		Paleo Top Description		Eco	zone
8282 / 8170	DEF	AT first sample examined	DEF	IN	3
8490 / 8377	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	3
8880 / 8765	DEF	AT faunal change (no faunal increase)	DEF	AT	3
9090 / 8975	DEF	AT local marker foram increase	DEF	IN	4
9150 / 9034	DEF	AT faunal change (no faunal increase)	DEF	IN	3
9180 / 9064	DEF	AT faunal change (no faunal increase)	DEF	AT	4
9270 / 9154	DEF	AT faunal change (no faunal increase)	DEF	IN	3
9300 / 9184	DEF	AT faunal change (no faunal increase)	DEF	AT	4
9360 / 9244	DEF	AT faunal change (no faunal increase)	DEF	IN	3
9570 / 9453	DEF	AT local marker foram increase	DEF	AT	4
9660 / 9543	DEF	AT faunal change (no faunal increase)	DEF	IN	4
10020 / 9902	DEF	AT faunal change (no faunal increase)	DEF	AT	4
10050 / 9932	DEF	AT faunal change (no faunal increase)	DEF	AT	3
10170 /10051	DEF	AT faunal change (no faunal increase)	DEF	AT	4
10230 /10111	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	3
10650 /10530	DEF	AT faunal change (no faunal increase)	DEF	AT	3
11430 /11310	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11640 /11519	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11730 /11609	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11850 /11729	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11880 /11759	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11910 /11789	DEF	AT faunal change (no faunal increase)	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 516	Date of Summary: 07-JUL-1996	First Sample Examined:	8282
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD:	12261
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	12140
API Well Number: 608074014300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation:	82
Paleo Report Num: 1 of 3	Sample Range: 8282 - 12270	Water Depth:	3153
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID:	003

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11940 /11819	DEF AT faunal change (no faunal increase)	DEF IN 3
11970 /11849	DEF AT local marker foram increase	DEF AT 4
12030 /11909	DEF AT faunal change (no faunal increase)	DEF IN 4
12210 /12089	DEF AT faunal change (no faunal increase)	DEF AT 3
12270 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 13-AUG-1996 First Sample Examined: 8280 Lease Number: G08252 Source of Paleo: OPERATOR **Borehole MD:** 12261 Well Name: 001 Paleo Done By: LAURALEE R. REUGGER **Borehole TVD:** 12140 **API Well Number:** 608074014300 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 2 of 3 Sample Range: 8280 - 12261 Water Depth: 3153 Public Info Code: Y 03-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, see company-integrated foram and nanno report for summary

MD/TVD	Paleo Top Description	Ecozone
8280 / 8168	DEF AT first sample examined	DEF AT
8400 / 8287	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
9090 / 8975	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12261 /12140	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 22-DEC-1998 First Sample Examined: 8280 Source of Paleo: OPERATOR Lease Number: G08252 **Borehole MD:** 12261 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 12140 **API Well Number:** 608074014300 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 3 of 3 **Sample Range:** 7080 - 12270 Water Depth: 3153 Public Info Code: Y 03-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description		Ecozone
8280 / 8168	DEF AT first sample examined	POS IN	I 3
8400 / 8287	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF IN	1 3
8490 / 8377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN	1 3
9090 / 8975	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF IN	1 4
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN	1 3
10230 /10111	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN	1 3
11670 /11549	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF A	Т 4
12240 /12119	DEF AT last sample examined	DEF A	Т 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 01-DEC-2000 First Sample Examined: 8030 Source of Paleo: OPERATOR Lease Number: G08252 **Borehole MD:** 14463 Well Name: SE002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12587 **API Well Number:** 608074022400 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8030 - 14430 Water Depth: 3400 Public Info Code: Y 03-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Serrano Prospect

MD/TVD		Paleo Top Description		Ecozone
8000 / 7810	DEF	AT first sample examined	DEF A	T 4
9920 / 9214	DEF	AT faunal change (no faunal increase)	DEF IN	۸ 4
9980 / 9258	DEF	AT faunal change (no faunal increase)	DEF A	T 4
10760 / 9837	DEF	AT gray shale	DEF A	T 4
13700 /12013	POS	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF A	T 4
14300 /12463	DEF	AT last sample examined	POS A	T 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 01-JAN-2001 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G08252 **Borehole MD:** 14463 Paleo Done By: OPERATOR Well Name: SE002 **Borehole TVD:** 12587 **API Well Number:** 608074022400 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 8000 - 14463 Water Depth: 3400 Public Info Code: Y 03-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Descript	<u>ion</u>		Ecozone
8000 / 7810	DEF AT first sample examin	ed	DEF A	λT
8480 / 8174	DEF AT Middle Pleistocene	(Ionian) Pseudoemiliania ovata	DEF A	λT
10490 / 9636	DEF AT reworked material		DEF A	λT
12770 /11322	DEF AT Lower Pleistocene ((Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF A	λT
13160 /11614	DEF AT reworked material		DEF A	λT
13220 /11659	DEF AT reworked material		DEF A	λT
13730 /12035	POS AT Lower Pleistocene	(Calabrian) Gephyrocapsa caribbeanica (large)	DEF A	λT
14120 /12327	POS AT Lower Pleistocene	(Calabrian) Scyphosphaera pulcherima	DEF A	λT
14210 /12395	POS AT Lower Pleistocene ((Calabrian) Helicosphaera sellii	DEF A	λT
14430 /12562	DEF AT last sample examin	ed	DEF A	λT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 01-DEC-2000 First Sample Examined: 8450 Source of Paleo: OPERATOR Lease Number: G08252 **Borehole MD:** 13108 Well Name: SE002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12145 **API Well Number:** 608074022401 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8450 - 13070 Water Depth: 3400 Public Info Code: Y 03-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Serrano Prospect

MD/TVD		Paleo Top Description		Ecozone
8450 / 8177	DEF	AT first sample examined	POS A	AT 4
8660 / 8350	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
8750 / 8425	DEF	AT gray shale	DEF A	AT 4
8779 / 8449	POS	AT reworked material	DEF A	AT 4
8780 / 8450	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF A	AT 4
8870 / 8526	DEF	AT gray shale	DEF A	AT 4
9590 / 9136	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF I	N 4
9650 / 9187	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
10310 / 9753	DEF	AT gray shale	DEF I	N 4
10340 / 9779	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
13100 /12139	DEF	AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 01-JAN-2001 First Sample Examined: 8450 Lease Number: G08252 Source of Paleo: OPERATOR **Borehole MD:** 13108 Well Name: SE002 Paleo Done By: OPERATOR **Borehole TVD:** 12145 **API Well Number:** 608074022401 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 8450 - 13100 Water Depth: 3400 Public Info Code: Y 03-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
8450 / 8177	DEF AT first sample examined	DEF AT
8451 / 8178	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
9590 / 9136	POS AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa T.R.	DEF AT
9770 / 9290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa (acme)	DEF AT
12230 /11401	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12260 /11427	DEF AT reworked material	DEF AT
12290 /11452	DEF AT reworked material	DEF AT
12530 /11655	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13070 /12113	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GB 516	Date of Summary: 01-MAR-2001	First Sample Examined:	8010
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD:	12850
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	12110
API Well Number: 608074022402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation:	84
Paleo Report Num: 1 of 2	Sample Range: 8010 - 12840	Water Depth:	3400
Public Info Code: Y 03-JUN-2005	Ecozone Eg MMS: Y	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
8010 / 7819	DEF	AT first sample examined	POS	AT	4
8700 / 8446	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
12560 /11863	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	4
12840 /12101	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 516 Date of Summary: 01-MAR-2001 First Sample Examined: 8010 Source of Paleo: OPERATOR Lease Number: G08252 **Borehole MD:** 12850 Well Name: SE002 Paleo Done By: BECK BIOSTRAT INC. **Borehole TVD:** 12110 **API Well Number:** 608074022402 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 8010 - 12850 Water Depth: 3400 Public Info Code: Y 03-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8010 / 7819	DEF AT first sample examined	DEF AT
8760 / 8503	POS AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
12840 /12101	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12850 /12110	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-NOV-2006 Area Block: GB 561 First Sample Examined: 5500 Lease Number: G15914 Source of Paleo: OPERATOR **Borehole MD:** 32450 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 32440 **API Well Number:** 608074027900 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 96 Sample Range: 5500 - 32450 Paleo Report Num: 1 of 1 Water Depth: 2384 Public Info Code: Y 30-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Grand Cayman Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see

report for details

MD/TVD		Paleo Top Description		Ecozone
5500 / 5500	DEF	AT first sample examined	DEF	IN 5
5619 / 5619	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN 5
5620 / 5620	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN 5
5830 / 5830	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN 5
5950 / 5950	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT 5
6309 / 6309	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT 5
6310 / 6310	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT 5
6580 / 6580	DEF	AT out-of-place section	DEF	AT 5
6609 / 6609	DEF	AT gypsum	DEF	AT 5
6610 / 6610	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT 5
6640 / 6640	DEF	IN salt	DEF	AT 5
27910 /27909	DEF	AT out-of-place section	DEF	AT 5
27929 /27928	DEF	IN out-of-place section	DEF	AT 5
27930 /27929	POS	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT 5
28013 /28012	DEF	AT	DEF	AT 4
28070 /28069	DEF	AT reworked material	DEF	AT 4
28160 /28159	DEF	IN salt	DEF	AT 4
31640 /31634	DEF	AT out-of-place section	POS	AT 5
31700 /31694	DEF	IN out-of-place section	POS	AT 4
31910 /31903	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT 4
32450 /32440	DEF	AT last sample examined	DEF	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 602 Date of Summary: 14-JUL-1996 First Sample Examined: 18000 Source of Paleo: OPERATOR Lease Number: G11553 **Borehole MD:** 24653 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 24650 **API Well Number:** 608074015100 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 13500 - 24642 Water Depth: 3665 Public Info Code: Y 04-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description		Ecozone
18000 /	DEF AT first sample examined	POS AT	4
18480 /	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT	4
18990 /	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT	4
19439 /	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT	5
19440 /	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN	5
19470 /	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN	5
21990 /	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN	5
22050 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN	5
22950 /	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN	5
24090 /	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN	5
24642 /	DEF AT last sample examined	DEF IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 602 Date of Summary: 01-SEP-1996 First Sample Examined: 18130 Source of Paleo: OPERATOR Lease Number: G11553 **Borehole MD:** 24350 Well Name: 003 Paleo Done By: OPERATOR **Borehole TVD:** 24267 **API Well Number:** 608074015101 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 18130 - 24340 Water Depth: 3665 Public Info Code: Y 06-SEP-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top D	escription			Ecozone
18130 /18129	DEF AT first sample	examined	DEF	AT	4
18790 /18788	DEF AT Upper Plioce	ne (Gelasian) Discoaster brouweri "A"	DEF	AT	4
19390 /19380	DEF AT Upper Plioce	ne (Gelasian) Discoaster pentaradiatus	DEF	IN	5
19420 /19409	DEF AT Upper Plioce	ne (Gelasian) Discoaster surculus	DEF	IN	5
22000 /21918	DEF AT Upper Plioce	ne (Piacenzian) Discoaster tamalis	DEF	AT	5
22210 /22128	POS IN Upper Plioce	ne (Piacenzian) Globoquadrina altispira	DEF	AT	5
22780 /22698	POS AT Upper Plioce	ne (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
23920 /23837	DEF IN Lower Plioce	ne (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
24250 /24167	POS AT Lower Plioce	ne (Zanclian) Sphenolithus grandis	DEF	AT	4
24340 /24257	DEF AT last sample	examined	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 602 Date of Summary: 30-JAN-1996 First Sample Examined: 15510 Source of Paleo: OPERATOR Lease Number: G11553 **Borehole MD:** 24960 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 24313 **API Well Number:** 608074014400 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 4965 - 24960 Water Depth: 3693 Public Info Code: Y 20-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Eco	ozone
15510 /15507	DEF	AT first sample examined	DEF	AT	
17370 /17363	POS	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	
18390 /18382	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	
18870 /18861	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT	5
19260 /19251	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	IN	5
21570 /21444	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
21750 /21601	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
22430 /22182	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	5
24360 /23805	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
24810 /24187	POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	IN	5
24960 /24313	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GB 602 Date of Summary: 20-JAN-1997 18180 Source of Paleo: OPERATOR Lease Number: G11553 **Borehole MD:** 24960 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 24313 **API Well Number:** 608074014400 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 18180 - 24960 Water Depth: 3693 Public Info Code: Y 20-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
18180 /18172	DEF AT first sample examined	POS AT	4
19260 /19251	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT	4
19650 /19639	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT	5
21750 /21601	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT	5
24180 /23653	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT	5
24960 /24313	DEF AT last sample examined	DEF AT	5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 602 Date of Summary: 15-JUL-1999 First Sample Examined: 18200 Lease Number: G11553 Source of Paleo: OPERATOR **Borehole MD:** 24200 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 23698 **API Well Number:** 608074014401 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 18200 - 24200 Water Depth: 3708 Public Info Code: Y 23-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Pa	leo Top Description		Ecozone
18200 /18192	DEF AT fir	et sample examined	DEF	AT
18410 /18401	DEF AT U	per Pliocene (Gelasian) Discoaster brouweri	DEF	AT
18950 /18938	DEF AT U	per Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
19310 /19295	DEF AT U	per Pliocene (Gelasian) Discoaster surculus	DEF	AT
21620 /21504	POS AT U	per Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
22430 /22260	DEF IN U	per Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT
23850 /23436	POS AT Lo	wer Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
24030 /23572	DEF AT Lo	wer Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
24180 /23684	DEF AT la	t sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 657 Date of Summary: 01-SEP-2003 First Sample Examined: 7540 Source of Paleo: OPERATOR Lease Number: G19154 **Borehole MD:** 14089 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 12637 **API Well Number:** 608074025500 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 7540 - 13930 Water Depth: 4600 Public Info Code: Y 30-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Shiner Deep Prospect

MD/TVD		Paleo Top Description			Ecozone
7540 / 7378	DEF	AT first sample examined	DEF	AT	
7541 / 7379	DEF	IN Pleistocene	DEF	AT	
7990 / 7748	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS	AT	4
8260 / 7960	DEF	AT	DEF	ΑT	5
8440 / 8099	DEF	AT local marker planktic foram increase	DEF	AT	5
8800 / 8372	DEF	AT	DEF	ΑT	4
8980 / 8509	DEF	AT	DEF	ΑT	0
9695 / 9052	DEF	AT cement	DEF	AT	
9760 / 9101	DEF	AT	POS	AT	4
10000 / 9284	DEF	AT local marker foram increase	POS	AT	4
10300 / 9512	DEF	AT reworked material	DEF	ΑT	
10540 / 9694	DEF	AT	POS	ΑT	4
10750 / 9854	DEF	AT	DEF	ΑT	0
10870 / 9945	DEF	AT	DEF	AT	4
11170 /10173	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
11171 /10173	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
11470 /10400	DEF	AT pyrite	DEF	AT	5
11530 /10446	DEF	AT	POS	ΑT	4
11890 /10719	DEF	AT	POS	AT	5
12010 /10811	DEF	AT	POS	AT	4
12130 /10902	DEF	AT	DEF	AT	0
12370 /11084	DEF	AT	POS	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 657 Date of Summary: 01-SEP-2003 First Sample Examined: 7540 Lease Number: G19154 Source of Paleo: OPERATOR **Borehole MD:** 14089 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 12637 **API Well Number:** 608074025500 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 7540 - 13930 Water Depth: 4600 Public Info Code: Y 30-NOV-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description		E	cozone
12400 /11108 DEF	AT pyrite	POS	AT	5
12520 /11202 DEF	AT	POS	AT	4
12730 /11374 DEF	AT	DEF	AT	0
13270 /11851 POS	AT local marker planktic foram increase	DEF	AT	5
13300 /11878 DEF	AT pyrite	DEF	AT	5
13540 /12103 DEF	AT	POS	AT	4
13690 /12247 DEF	AT	DEF	AT	0
13840 /12392 DEF	AT	POS	AT	4
13870 /12421 DEF	AT pyrite	POS	AT	4
13930 /12480 DEF	AT last sample examined	POS	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-SEP-2003 Area Block: GB 657 First Sample Examined: 13930 Lease Number: G19154 Source of Paleo: OPERATOR **Borehole MD:** 20000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 18482 **API Well Number:** 608074025501 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 86 **Sample Range:** 9655 - 20000 Paleo Report Num: 1 of 1 Water Depth: 4484 Public Info Code: Y 30-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Shiner Deep Prospect, 19419=beginning of partial repeat Pliocene section, with super-abundant to abundant pyrite to TD

MD/TVD		Paleo Top Description		Ec	ozone
13930 /12441	DEF	AT first sample examined	POS	AT	4
14020 /12529	DEF	AT	POS	AT	6
14110 /12617	DEF	AT	DEF	AT	5
14230 /12736	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
14260 /12766	DEF	AT pyrite	DEF	AT	4
14680 /13185	DEF	AT	POS	AT	5
14770 /13275	DEF	AT reworked material	DEF	AT	5
14920 /13425	DEF	AT pyrite	DEF	AT	5
15520 /14024	DEF	AT	POS	AT	5
15940 /14443	DEF	AT local marker planktic foram increase	DEF	AT	5
15970 /14473	DEF	AT pyrite	DEF	AT	5
16419 /14921	DEF	AT pyrite	DEF	AT	6
16420 /14922	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	6
16510 /15011	DEF	AT	POS	AT	5
16630 /15131	DEF	AT pyrite	POS	AT	5
16810 /15309	DEF	AT local marker planktic foram increase	DEF	IN	6
16840 /15339	DEF	AT pyrite	DEF	IN	6
16855 /15354	DEF	AT cement	DEF	IN	6
16959 /15457	DEF	AT local marker planktic foram increase	DEF	IN	6
16960 /15458	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	6
16990 /15487	DEF	AT	DEF	AT	5
18040 /16522	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS	AT	5

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 657 Date of Summary: 01-SEP-2003 First Sample Examined: 13930 Lease Number: G19154 Source of Paleo: OPERATOR **Borehole MD:** 20000 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 18482 **API Well Number:** 608074025501 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 86 **Sample Range:** 9655 - 20000 Paleo Report Num: 1 of 1 Water Depth: 4484 Public Info Code: Y 30-NOV-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD_		Paleo Top Description		ECC	ozone
18280 /16762	DEF	AT	POS	AT	5
18340 /16822	POS	AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS	AT	5
18580 /17062	DEF	AT	DEF	AT	5
18730 /17212	DEF	AT pyrite	DEF	AT	5
18849 /17331	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
18850 /17332	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
18940 /17422	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
18968 /17450	DEF	AT limestone	DEF	AT	5
18969 /17451	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
18970 /17452	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
19029 /17511	DEF	AT pyrite	POS	AT	6
19030 /17512	DEF	IN Lower Pliocene Zanclian Stage	POS	AT	6
19090 /17572	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS	AT	6
19119 /17601	DEF	AT pyrite	POS	AT	6
19120 /17602	DEF	AT local marker planktic foram increase	POS	AT	6
19389 /17871	DEF	AT pyrite	DEF	IN	6
19390 /17872	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	IN	6
19419 /17901	DEF	AT pyrite	DEF	IN	6
19420 /17902	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	6
19480 /17962	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	6
19540 /18022	DEF	AT pyrite	DEF	IN	6
19570 /18052	DEF	AT	DEF	AT	5
19660 /18142	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
19690 /18172	POS	IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 657 Date of Summary: 01-SEP-2003 First Sample Examined: 13930 Lease Number: G19154 Source of Paleo: OPERATOR **Borehole MD:** 20000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 18482 **API Well Number:** 608074025501 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 86 Sample Range: 9655 - 20000 Paleo Report Num: 1 of 1 Water Depth: 4484 Public Info Code: Y 30-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

 MD/TVD
 Paleo Top Description
 Ecozone

 19838 /18320
 DEF
 AT gouge
 DEF
 AT

 19839 /18321
 DEF
 AT anhydrite
 DEF
 AT

 19840 /18322
 DEF
 AT salt
 DEF
 AT

 20000 /18482
 DEF
 AT last sample examined
 DEF
 AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 873 Date of Summary: 11-APR-2007 First Sample Examined: 22300 Lease Number: G17456 Source of Paleo: OPERATOR **Borehole MD:** 31831 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 31819 **API Well Number:** 608074028300 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 1 of 2 Sample Range: 22300 - 31831 Water Depth: 4705 Public Info Code: Y 22-JUN-2007 Paleo ID: 002 **Ecozone Eq MMS:**

Remark: Tamara Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
22300 /22299	DEF	AT first sample examined	DEF /	AT
22301 /22300	DEF	IN salt	DEF /	AT
22720 /22719	DEF	AT out-of-place section	DEF /	ΑT
24070 /24069	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF /	ΑT
24080 /24079	DEF	AT base of salt	DEF /	ΑT
24100 /24099	DEF	AT local marker floral increase	DEF /	ΑT
24189 /24188	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF A	ΑT
24190 /24189	DEF	AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF A	AT
24400 /24399	DEF	AT local marker floral increase	DEF /	ΑT
24700 /24699	DEF	AT local marker floral increase	DEF /	AT
24910 /24909	DEF	AT Upper Miocene (Tortonian) Discoaster exilis	DEF /	AT
25510 /25508	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF /	AT
25780 /25778	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF /	AT
25960 /25958	DEF	AT local marker floral increase	DEF /	AT
26740 /26738	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF /	AT
26890 /26888	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF /	AT
26950 /26948	DEF	AT local marker floral increase	DEF /	AT
26980 /26978	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF /	AT
27040 /27038	POS	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF /	AT
27130 /27128	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF /	ΑT
27370 /27368	DEF	AT floral flood	DEF /	ΑT
27550 /27548	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF /	ΑT

MD/TVD

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 873 Date of Summary: 11-APR-2007 First Sample Examined: 22300 Source of Paleo: OPERATOR Lease Number: G17456 **Borehole MD:** 31831 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 31819 **API Well Number:** 608074028300 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 1 of 2 Sample Range: 22300 - 31831 Water Depth: 4705 Public Info Code: Y 22-JUN-2007 Paleo ID: **Ecozone Eq MMS:** 002

	<u> </u>	raied top bescription		<u>EC020116</u>
27760 /277	758 POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
27790 /277	788 DEF	AT local marker floral increase	DEF	AT
28210 /282	208 DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
28389 /283	386 DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
28390 /283	387 DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
28420 /284	417 DEF	AT reworked material	DEF	AT
28540 /285	537 DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
28990 /289	987 DEF	AT local marker floral increase	DEF	AT
29320 /293	316 DEF	AT local marker floral decrease	DEF	AT
29620 /296	615 DEF	AT local marker floral increase	DEF	AT
30160 /301	154 DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
30220 /302	214 DEF	AT reworked material	DEF	AT
30250 /302	244 DEF	AT Middle Miocene (Langhian) Discoaster calculosus	DEF	AT
30399 /303	392 DEF	AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF	AT
30400 /303	393 DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
30490 /304	POS	AT reworked material	DEF	AT
30518 /305	511 POS	AT unconformity	DEF	AT
30519 /305	512 POS	AT fault	DEF	AT
30520 /305	513 DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
30580 /305	573 DEF	AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF	AT
30790 /307	782 DEF	AT reworked material	DEF	AT
30850 /308	842 DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT
31000 /309	991 DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
31300 /312	290 DEF	AT local marker floral increase	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 22-JUN-2007

First Sample Examined: Area Block: GB 873 Date of Summary: 11-APR-2007 22300 Source of Paleo: OPERATOR Lease Number: G17456 **Borehole MD:** 31831 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 31819 **API Well Number:** 608074028300 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 4705 Paleo Report Num: 1 of 2 Sample Range: 22300 - 31831 Water Depth:

MD / TVD Paleo Top Description Ecozone

31420 /31410	DEF	AT reworked material	DEF	AT
31450 /31439	DEF	AT local marker floral increase	DEF	AT
31810 /31798	DEF	AT last sample examined	DEF	AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GB 873 Date of Summary: 12-APR-2007 First Sample Examined: 22300 Source of Paleo: OPERATOR Lease Number: G17456 **Borehole MD:** 31831 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 31819 **API Well Number:** 608074028300 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 2 of 2 **Sample Range:** 22300 - 31840 Water Depth: 4705 Public Info Code: Y 22-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Tamara Prospect

MD/TVD		Paleo Top Description		Ecozone
22300 /22299	DEF	AT first sample examined	DEF	AT
22301 /22300	DEF	IN salt	DEF	AT
22720 /22719	DEF	AT out-of-place section	DEF	AT
23980 /23979	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
24010 /24009	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT
24080 /24079	DEF	AT base of salt	DEF	AT
24160 /24159	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT
24940 /24939	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT
25479 /25477	DEF	AT pyrite	DEF	AT
25480 /25478	DEF	AT Arenaceous fauna (local marker)	DEF	AT
25660 /25658	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT
25810 /25808	POS	IN Middle Miocene (Serravallian) Robulus 5 / 55	DEF	AT
26740 /26738	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT
26890 /26888	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
27100 /27098	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT
27370 /27368	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
27460 /27458	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT
27760 /27758	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT
27790 /27788	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT
28450 /28447	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT
30250 /30244	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
30520 /30513	DEF	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Lease Number: G17456

Well Name: 001

API Well Number: 608074028300

Area Block: GB 873 Date of Summary: 12-APR-2007

> Source of Paleo: OPERATOR Paleo Done By: OPERATOR

Drilling Operator: BP EXPLORATION & PRODUCTION INC

Paleo Report Num: 2 of 2 **Sample Range:** 22300 - 31840

Public Info Code: Y 22-JUN-2007 **Ecozone Eq MMS:** First Sample Examined: 22300 **Borehole MD:** 31831 **Borehole TVD:** 31819

Rkb Elevation: 75

Water Depth: 4705 Paleo ID: 001

Ecozone

MD/TVD

31840 /

Paleo Top Description

DEF AT last sample examined

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 6 First Sample Examined: 5190 Date of Summary: 24-MAR-1999 Lease Number: G06987 Source of Paleo: OPERATOR **Borehole MD:** 8092 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 5268 **API Well Number:** 608114012503 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 118 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 8080 Water Depth: 622 Public Info Code: Y 27-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 5640=I-3 fauna, 6800=local Uvigerina acme, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	ozone
5190 / 3868	DEF	AT first sample examined	DEF	IN	2
5191 / 3869	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	IN	2
5400 / 3967	DEF	AT pyrite	DEF	IN	2
5610 / 4068	DEF	AT faunal change (no faunal increase)	DEF	AT	2
5640 / 4082	DEF	AT local marker foram increase	DEF	AT	2
5700 / 4110	DEF	AT local marker foram increase	DEF	IN	2
6120 / 4310	DEF	AT brown shale	DEF	IN	2
6360 / 4424	DEF	AT drilling material	DEF	IN	2
6570 / 4525	DEF	AT local marker foram increase	DEF	AT	2
6800 / 4635	DEF	AT local marker benthic foram increase	DEF	IN	2
6860 / 4664	DEF	AT faunal change (no faunal increase)	DEF	AT	3
6950 / 4709	DEF	AT pyrite	DEF	AT	3
6980 / 4725	DEF	AT local marker foram increase	DEF	AT	3
7010 / 4740	DEF	AT faunal change (no faunal increase)	DEF	AT	2
7040 / 4756	DEF	AT pyrite	DEF	AT	2
7190 / 4833	DEF	AT local marker foram increase	DEF	IN	2
7340 / 4909	DEF	AT drilling material	DEF	IN	2
7400 / 4938	POS	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	2
7489 / 4982	POS	AT fault	DEF	AT	4
7490 / 4982	POS	AT gouge	DEF	AT	4
7520 / 4996	DEF	AT faunal change (no faunal increase)	DEF	IN	2
7730 / 5097	DEF	AT local marker foram increase	DEF	IN	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 6 Date of Summary: 24-MAR-1999 First Sample Examined: 5190 Lease Number: G06987 Source of Paleo: OPERATOR **Borehole MD:** 8092 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 5268 **API Well Number:** 608114012503 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 118 Paleo Report Num: 1 of 2 **Sample Range:** 5190 - 8080 Water Depth: 622 Public Info Code: Y 27-DEC-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Ecoz	<u>zone</u>
7850 / 5154	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF II	N	2
7970 / 5211	DEF	AT anhydrite	POS A	٩T	2
8080 / 5262	DEF	AT last sample examined	POS A	٩T	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 6 Date of Summary: 11-APR-1999 First Sample Examined: 6330 Source of Paleo: OPERATOR Lease Number: G06987 **Borehole MD:** 8092 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 5268 **API Well Number:** 608114012503 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 118 Paleo Report Num: 2 of 2 **Sample Range:** 6330 - 8080 Water Depth: 622 Public Info Code: Y 27-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6330 / 4410	DEF AT first sample examined	DEF AT
6830 / 4650	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
7520 / 4996	DEF AT out-of-place section	DEF AT
7521 / 4997	POS AT gouge	DEF AT
7580 / 5025	DEF AT reworked material	DEF AT
8080 / 5262	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GC 18	Date of Summary: 01-JUL-1996	First Sample Examined:	9160
Lease Number: G04940	Source of Paleo: OPERATOR	Borehole MD:	10500
Well Name: A007	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD:	10169
API Well Number: 608114007301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	155
Paleo Report Num: 1 of 1	Sample Range: 9160 - 10480	Water Depth:	750
Public Info Code: Y 18-APR-2007	Ecozone Ea MMS: Y	Paleo ID:	002

Remark:

MD/TVD		Paleo Top Description		Ecozone
9160 / 8896	DEF	AT first sample examined	DEF AT	Γ 4
9250 / 8980	DEF	AT local marker foram increase	DEF AT	Γ 4
9400 / 9119	DEF	AT local marker foram increase	DEF AT	Γ 5
10480 /10150	DEF	AT last sample examined	DEF AT	٦ 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GC 18	Date of Summary: 24-OCT-1996	First Sample Examined:	0
Lease Number: G05809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	17124
Well Name: A024	Paleo Done By: OPERATOR	Borehole TVD:	14310
API Well Number: 608114019301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	158
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	760
Public Info Code: Y 07-0CT-2006	Fcozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13480 /11354	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14680 /12311	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14710 /12335	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GC 18 Date of Summary: 28-MAR-1997 6795 Source of Paleo: OPERATOR 17715 Lease Number: G05809 **Borehole MD:** Paleo Done By: OPERATOR Well Name: A029 **Borehole TVD:** 14363 **API Well Number:** 608114021200 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 155 Paleo Report Num: 1 of 1 **Sample Range:** 6795 - 17460 Water Depth: 760 Public Info Code: Y 17-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
6795 / 5916	DEF	AT first sample examined	DEF	AT	4
7020 / 6090	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
9180 / 7754	DEF	AT	DEF	AT	5
9300 / 7847	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
9870 / 8292	DEF	AT	DEF	AT	4
11130 / 9270	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	5
13830 /11347	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
13950 /11442	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	5
15090 /12326	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
15180 /12395	DEF	AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF	AT	5
15300 /12488	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
15330 /12511	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
17460 /14148	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 20 Date of Summary: 13-JAN-1998 First Sample Examined: 9990 Source of Paleo: OPERATOR Lease Number: G15531 **Borehole MD:** 18565 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 18516 **API Well Number:** 608114021300 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 2490 - 18577 Water Depth: 880 Public Info Code: Y 04-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		E	Ecozone
9990 / 9986	DEF	AT first sample examined	DEF	IN	3
10020 /10016	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	4
10080 /10076	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	4
10980 /10976	DEF	IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN	3
11580 /11576	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF	AT	4
12210 /12206	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
12270 /12266	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
12330 /12326	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
12480 /12476	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	4
12510 /12506	DEF	IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
12930 /12926	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
13500 /13496	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
13710 /13706	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	4
13950 /13946	DEF	IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
14970 /14966	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
15990 /15977	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
16770 /16747	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
17610 /17576	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
18570 /	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 89 Date of Summary: 02-JUN-1997 First Sample Examined: 4500 Lease Number: G15540 Source of Paleo: OPERATOR **Borehole MD:** 17660 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 17500 **API Well Number:** 608114022000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 17658 Water Depth: 668 Public Info Code: Y 24-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
4500 / 4500	DEF	AT first sample examined	POS	AT	3
5520 / 5520	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	3
5580 / 5580	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	3
7260 / 7259	DEF	AT faunal change (no faunal increase)	DEF	AT	4
7920 / 7919	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
8550 / 8549	DEF	IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	4
9180 / 9179	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	4
9480 / 9479	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	4
9960 / 9959	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
10050 /10049	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
11850 /11848	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
11940 /11938	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
12090 /12088	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
12360 /12358	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	4
12510 /12507	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
12570 /12567	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
12900 /12897	POS	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT	4
13470 /13451	POS	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
13770 /13731	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
13950 /13898	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
14400 /14315	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	4
14760 /14645	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 89 Date of Summary: 02-JUN-1997 First Sample Examined: 4500 Lease Number: G15540 Source of Paleo: OPERATOR **Borehole MD:** 17660 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 17500 **API Well Number:** 608114022000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 17658 Water Depth: 668 Public Info Code: Y 24-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD	Paleo Top Description		<u>Ecozone</u>
14790 /14673	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT 4
14880 /14756	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF A	AT 4
14890 /14765	DEF AT salt	POS A	ΑT
15960 /15806	DEF AT base of salt	POS A	AT 4
16170 /16016	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF A	AT 4
16440 /16285	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF A	AT 4
16680 /16525	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF A	AT 4
16740 /16585	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF A	AT 4
16980 /16825	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF A	AT 4
17610 /17454	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF A	AT 4
17658 /17502	DEF AT last sample examined	DEF A	AT 4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 89 Date of Summary: 19-JUN-1997 First Sample Examined: 7130 Lease Number: G15540 Source of Paleo: OPERATOR **Borehole MD:** 12270 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 11425 **API Well Number:** 608114022001 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 7130 - 12270 Water Depth: 695 Public Info Code: Y 13-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
7130 / 7128	DEF	AT first sample examined	DEF .	AT
8720 / 8571	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9500 / 9193	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
9800 / 9432	POS	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT
9890 / 9504	POS	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF .	AT 4
10490 / 9981	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF .	AT 4
10520 /10005	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT 4
10580 /10053	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT 4
12270 /11424	DEF	AT last sample examined	DEF	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 110 Date of Summary: 24-JAN-1996 First Sample Examined: 7000 Source of Paleo: OPERATOR Lease Number: G14023 **Borehole MD:** 12960 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11736 **API Well Number:** 608114020600 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 72 Paleo Report Num: 1 of 1 **Sample Range:** 7000 - 12990 Water Depth: 1730 Public Info Code: Y 21-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecoz	one
7000 / 6998	DEF	AT first sample examined	DEF	AT	4
7240 / 7238	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	4
8810 / 8808	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT	4
8840 / 8838	POS	AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF	AT	4
8900 / 8897	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	4
9830 / 9796	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT	4
10700 /10555	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	4
12080 /11311	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	4
12200 /11370	DEF	IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
12620 /11570	DEF	IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
12889 /11701	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
12890 /11701	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	4
12990 /	DEF	AT last sample examined	DEF	AT	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> 14220 Area Block: GC 112 Date of Summary: 01-JAN-1998 First Sample Examined: Source of Paleo: OPERATOR 20422 Lease Number: G15545 **Borehole MD:** Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 20417 **API Well Number:** 608114022100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 72 Paleo Report Num: 1 of 1 Sample Range: 7500 - 20228 Water Depth: 1730 Public Info Code: Y 18-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Angus Prospect

MD/TVD		Paleo Top Description		Ec	ozone
14220 /	DEF	AT first sample examined	POS	AT	4
14550 /	POS	AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	POS	AT	4
14610 /	DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS	AT	4
14789 /	POS	AT pyrite	POS	AT	4
14790 /	DEF	AT local marker foram increase	POS	AT	4
14850 /	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	POS	AT	4
14880 /	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	AT	4
15000 /	DEF	AT cement	POS	AT	4
15210 /	DEF	AT	POS	IN	4
15450 /	DEF	AT local marker planktic foram increase	POS	IN	4
15510 /	DEF	AT local marker foram increase	POS	IN	4
15900 /	DEF	AT sand	DEF	AT	5
15930 /	DEF	AT local marker planktic foram increase	DEF	AT	5
15960 /	DEF	AT local marker foram increase	DEF	IN	4
16020 /	DEF	AT pyrite	DEF	IN	4
16980 /	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
17010 /	DEF	AT	POS	AT	4
17460 /	DEF	AT	POS	IN	4
18120 /	DEF	AT	DEF	AT	4
18180 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
18570 /	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
18690 /	POS	AT local marker foram increase	DEF	IN	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 112 Date of Summary: 01-JAN-1998 First Sample Examined: 14220 Source of Paleo: OPERATOR 20422 Lease Number: G15545 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 20417 **API Well Number:** 608114022100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 72 Sample Range: 7500 - 20228 Paleo Report Num: 1 of 1 Water Depth: 1730 Public Info Code: Y 18-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
18750 /	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN	I 4
19410 /	DEF	AT Arenaceous fauna (local marker)	DEF IN	l 4
19530 /	DEF	AT	POS A	T 5
19650 /	DEF	AT local marker foram increase	POS A	T 5
19710 /	DEF	AT	DEF IN	l 4
19830 /	DEF	AT sand	DEF A	T 4
20070 /	DEF	AT	DEF IN	l 4
20228 /	DEF	AT last sample examined	DEF IN	J 4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 112 Date of Summary: 01-JAN-1998 First Sample Examined: 13500 Source of Paleo: OPERATOR 16012 Lease Number: G15545 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 15400 **API Well Number:** 608114022101 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 72 Paleo Report Num: 1 of 2 **Sample Range:** 13500 - 16012 Water Depth: 1730 Public Info Code: Y 08-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Angus Prospect, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozo	one
13500 /13000	DEF AT first sample examined	DEF AT	
13501 /13001	POS IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT	
13920 /13355	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT	
14339 /13744	DEF AT sand	POS AT	3
14340 /13745	DEF AT local marker foram increase	POS AT	3
14400 /13802	DEF AT local marker foram increase	POS AT	3
14520 /13918	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	POS AT	4
14580 /13976	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT	4
15180 /14570	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN	4
15270 /14660	DEF AT local marker foram increase	DEF IN	4
16012 /15401	DEF AT last sample examined	DEF IN	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 112 Date of Summary: 01-JAN-1998 First Sample Examined: 13500 Source of Paleo: OPERATOR 16012 Lease Number: G15545 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 15400 **API Well Number:** 608114022101 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 72 Paleo Report Num: 2 of 2 Sample Range: 13500 - 16012 Water Depth: 1730 Public Info Code: Y 08-JUL-2007 **Ecozone Eq MMS:** 003 Paleo ID:

Remark: Angus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
13500 /13000	DEF	AT first sample examined	DEF	AT
13501 /13001	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT
13860 /13302	DEF	AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
14760 /14153	DEF	IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
15180 /14570	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
15600 /14989	DEF	AT local marker floral increase	DEF	AT
15601 /14990	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
16012 /15401	DEF	AT last sample examined	DEF	AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 26-DEC-2001 First Sample Examined: 3510 Lease Number: G22930 Source of Paleo: OPERATOR **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 1 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
3510 / 3510	DEF	AT first sample examined	DEF I	N 4
3780 / 3780	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF I	N 4
3840 / 3839	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF I	N 4
4350 / 4349	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF I	N 4
4380 / 4379	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF I	N 4
4500 / 4499	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF I	N 4
4560 / 4559	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF I	N 4
4680 / 4679	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF I	N 4
5099 / 5098	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF I	N 4
5100 / 5099	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF I	N 4
5430 / 5428	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF I	N 4
5460 / 5458	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF I	N 4
5790 / 5788	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF I	N 4
5819 / 5817	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF I	N 4
5820 / 5818	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF I	N 4
5880 / 5878	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF I	N 4
5999 / 5997	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF I	N 4
6000 / 5998	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF I	N 4
6029 / 6027	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF I	N 4
6030 / 6028	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF I	N 4
6059 / 6057	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF A	AT 5
6060 / 6058	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF A	AT 5

MD/TVD

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Ecozone

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 26-DEC-2001 First Sample Examined: 3510 Source of Paleo: OPERATOR Lease Number: G22930 **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 1 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

	110		Taled Top Bescription			20110
6178 /	6175	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	5
6179 /	6176	DEF	AT anhydrite	DEF	AT	5
6180 /	6177	POS	AT salt	DEF	AT	5
6210 /	6207	DEF	AT salt	DEF	AT	
6240 /	6237	DEF	AT sample gap top	DEF	AT	
14400 /	14125	DEF	AT sample gap bottom	DEF	AT	
14550 /	14257	DEF	AT base of salt	DEF	AT	
14551 /	14258	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	
14610 /	/14310	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	
14640 /	14337	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	
14730 /	14416	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	
15000 /	14653	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	
15030 /	14680	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	
15060 /	14706	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT	
15210 /	14836	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	
15240 /	14862	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT	
15330 /	14942	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	
15396 /	15001	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	
15420 /	15022	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	
16050 /	15579	DEF	AT local marker floral increase	DEF	AT	
16080 /	15605	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT	
16350 /	15844	POS	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	
16740 /	16190	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	
16800 /	16244	POS	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 26-DEC-2001 First Sample Examined: 3510 Source of Paleo: OPERATOR Lease Number: G22930 **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 1 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description	Ecozone
16830 /16271	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus DEF	AT
20490 /19512	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus DEF	AT
21870 /20735	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus DEF	AT
23278 /22000	DEF AT last sample examined DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 27-DEC-2001 First Sample Examined: 3510 Lease Number: G22930 Source of Paleo: OPERATOR **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 2 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3510 / 3510	DEF	AT first sample examined	DEF	AT
3780 / 3780	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
4380 / 4379	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
4500 / 4499	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
4680 / 4679	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
5100 / 5099	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
5430 / 5428	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
5790 / 5788	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
5820 / 5818	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
6000 / 5998	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
6030 / 6028	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
6060 / 6058	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
6180 / 6177	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6210 / 6207	DEF	AT salt	DEF	AT
6214 / 6211	DEF	AT sample gap top	DEF	AT
14400 /14125	DEF	AT sample gap bottom	DEF	AT
14550 /14257	DEF	AT base of salt	DEF	AT
14551 /14258	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
14640 /14337	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
14730 /14416	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
15000 /14653	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
15060 /14706	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 27-DEC-2001 First Sample Examined: 3510 Source of Paleo: OPERATOR Lease Number: G22930 **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 2 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

MD/TVD		Paleo Top Description		Ecozone
15240 /14862	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
15330 /14942	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
15396 /15001	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
16050 /15579	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
16350 /15844	POS	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
16530 /16003	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
16800 /16244	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
16830 /16271	POS	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
20490 /19512	POS	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
21870 /20735	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
23278 /22000	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 08-JAN-2002 First Sample Examined: 3510 Lease Number: G22930 Source of Paleo: OPERATOR **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Sample Range: 3510 - 23278 Paleo Report Num: 3 of 3 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: 16800=significant reoccurrence of Globigerina nepenthes, with distinct floral change, and no Miocene fauna, species abundance and diversity chart

available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3510 / 3510	DEF	AT first sample examined	DEF	AT 4
3750 / 3750	DEF	AT	DEF	IN 4
3840 / 3839	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN 4
3930 / 3929	DEF	AT	DEF	AT 4
4350 / 4349	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN 4
4560 / 4559	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN 4
5100 / 5099	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN 4
5460 / 5458	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN 4
5820 / 5818	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN 4
5880 / 5878	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN 4
6000 / 5998	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 4
6030 / 6028	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN 4
6060 / 6058	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT 5
6179 / 6176	DEF	AT anhydrite	DEF	AT 5
6180 / 6177	DEF	AT salt	DEF	AT 5
6240 / 6237	DEF	AT sample gap top	DEF	AT 5
14400 /14125	DEF	AT sample gap bottom	DEF	AT 5
14550 /14257	DEF	AT base of salt	DEF	IN 4
14610 /14310	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 4
15030 /14680	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN 4
15210 /14836	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 08-JAN-2002 First Sample Examined: 3510 Lease Number: G22930 Source of Paleo: OPERATOR **Borehole MD:** 23278 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22000 **API Well Number:** 608114030700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 3 of 3 **Sample Range:** 3510 - 23278 Water Depth: 1003 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
15420 /15022	POS	IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN	4
16740 /16190	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF IN	4
16800 /16244	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN	4
19920 /19005	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN	4
21450 /20363	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN	4
21690 /20576	DEF	AT	DEF AT	5
22110 /20948	DEF	AT	DEF IN	4
23278 /22000	DEF	AT last sample examined	DEF IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 11-FEB-2002 Area Block: GC 143 First Sample Examined: 13980 Lease Number: G22932 Source of Paleo: OPERATOR **Borehole MD:** 16900 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16700 **API Well Number:** 608114030701 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 13980 - 16900 Water Depth: 1003 Public Info Code: Y 20-MAR-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
13980 /13781	DEF AT first sample examined	DEF AT
13981 /13782	DEF IN salt	DEF AT
14070 /13871	DEF AT base of salt	DEF AT
14071 /13872	DEF AT out-of-place section	DEF AT
14100 /13901	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14250 /14051	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15570 /15371	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16200 /16001	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16740 /16541	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16900 /16701	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 143 Date of Summary: 14-FEB-2002 First Sample Examined: 13950 Source of Paleo: OPERATOR Lease Number: G22932 **Borehole MD:** 16900 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16700 **API Well Number:** 608114030701 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 13950 - 16900 Water Depth: 1003 Public Info Code: Y 20-MAR-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Е	cozone
13950 /13751	DEF	AT first sample examined	DEF	AT	
13951 /13752	DEF	IN salt	DEF	AT	
14070 /13871	DEF	AT base of salt	DEF	IN	4
14071 /13872	POS	AT out-of-place section	DEF	IN	4
14250 /14051	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	4
14640 /14441	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
16230 /16031	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
16740 /16541	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	4
16900 /16701	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 158 Date of Summary: 22-APR-1999 First Sample Examined: 9090 Source of Paleo: OPERATOR Lease Number: G07995 **Borehole MD:** 16559 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 002 **Borehole TVD:** 16227 **API Well Number:** 608115008700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 9090 - 16550 Water Depth: 2841 Public Info Code: Y 05-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
9090 / 9088	DEF	AT first sample examined	POS I	N 3
9390 / 9387	DEF	AT local marker foram increase	DEF I	N 3
9480 / 9477	DEF	AT local marker foram increase	DEF I	N 4
9690 / 9685	DEF	IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF I	N 4
12870 /12761	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF A	AT 3
14120 /13939	DEF	AT local marker foram increase	DEF A	AT 4
14720 /14503	DEF	AT local marker foram increase	DEF I	N 3
14780 /14559	DEF	AT local marker foram increase	DEF A	AT 4
15320 /15064	DEF	AT local marker foram increase	DEF I	N 4
15920 /15625	POS	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF I	N 4
16250 /15935	DEF	AT local marker foram increase	DEF A	AT 4
16340 /16019	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF I	N 4
16430 /16104	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF I	N 4
16460 /16132	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF I	N 4
16490 /16160	DEF	AT local marker planktic foram increase	DEF I	N 4
16550 /16217	DEF	AT last sample examined	DEF I	N 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 158 Date of Summary: 07-JUN-1999 First Sample Examined: 9090 Source of Paleo: OPERATOR Lease Number: G07995 **Borehole MD:** 16559 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 16227 **API Well Number:** 608115008700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 9090 - 16559 Water Depth: 2841 Public Info Code: Y 05-APR-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	cozone
9090 / 9088	DEF	AT first sample examined	POS	AT	4
9120 / 9118	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	4
12240 /12168	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	3
12690 /12592	POS	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT	3
14239 /14051	POS	AT reworked material	DEF	AT	4
14240 /14051	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	4
15320 /15064	POS	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	4
15440 /15176	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	3
15920 /15625	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT	4
16339 /16018	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	4
16340 /16019	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
16369 /16047	DEF	IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
16370 /16048	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	4
16430 /16104	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
16559 /16225	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 173 Date of Summary: 01-MAY-1997 First Sample Examined: 6200 Lease Number: G16701 Source of Paleo: OPERATOR **Borehole MD:** 15003 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 15000 **API Well Number:** 608115011900 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 6200 - 15005 Water Depth: 3080 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6200 / 6199	DEF AT first sample examined	DEF AT
7040 / 7039	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
7280 / 7279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11630 /11628	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11780 /11778	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
12980 /12978	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13010 /13008	DEF AT sample gap top	DEF AT
13234 /13232	DEF AT sample gap bottom	DEF AT
13235 /13233	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14540 /14537	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15005 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GC 177 Date of Summary: 28-SEP-1999 First Sample Examined:

Lease Number: G16702 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD: 12156

Well Name: 001 Paleo Done By: OPERATOR Borehole TVD: 12087

API Well Number: 608114025600 Drilling Operator: MARINER GULF OF MEXICO LLC Rkb Elevation: 72

Paleo Report Num:1of1Sample Range:0 - 0Water Depth:1487Public Info Code:Y31-MAR-2005Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD	Paleo Top Description	Ecozone
9846 / 9845	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11220 /11202	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 200 Date of Summary: 10-JUL-1997 First Sample Examined: 15980 Source of Paleo: OPERATOR Lease Number: G11043 **Borehole MD:** 18700 Paleo Done By: OPERATOR Well Name: TA002 **Borehole TVD:** 15530 **API Well Number:** 608114021700 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 84 Paleo Report Num: 1 of 1 **Sample Range:** 15980 - 18700 Water Depth: 2670 Public Info Code: Y 24-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Troika Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
15980 /13497	DEF AT first sample examined	DEF AT
15981 /13498	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
16670 /14012	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18260 /15209	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18290 /15231	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18380 /15298	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18700 /15531	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 200 Date of Summary: 10-JUL-1997 First Sample Examined: 17344 Source of Paleo: OPERATOR Lease Number: G11043 **Borehole MD:** 18454 Paleo Done By: OPERATOR Well Name: TA002 **Borehole TVD:** 15431 **API Well Number:** 608114021701 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 84 Paleo Report Num: 1 of 1 **Sample Range:** 17344 - 18450 Water Depth: 2670 Public Info Code: Y 24-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Troika Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17344 /14518	DEF AT first sample examined	DEF AT
17345 /14519	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18120 /15147	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18150 /15173	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18240 /15249	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18450 /15427	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 200 Date of Summary: 04-SEP-1997 First Sample Examined: 14466 Source of Paleo: OPERATOR Lease Number: G12209 **Borehole MD:** 16930 Paleo Done By: OPERATOR Well Name: TA001 **Borehole TVD:** 15928 **API Well Number:** 608114021600 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 84 Paleo Report Num: 1 of 1 **Sample Range:** 14465 - 16430 Water Depth: 2670 Public Info Code: Y 22-SEP-2007 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Troika Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
14465 /13465	DEF	AT first sample examined	DEF	AT
14466 /13466	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14940 /13940	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
16380 /15379	DEF	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
16430 /15429	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 200 Date of Summary: 14-JUL-1997 First Sample Examined: 14598 Source of Paleo: OPERATOR Lease Number: G12209 **Borehole MD:** 17050 Paleo Done By: OPERATOR Well Name: TA003 **Borehole TVD:** 15481 **API Well Number:** 608114021800 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 84 Paleo Report Num: 1 of 1 **Sample Range:** 14598 - 17050 Water Depth: 2670 Public Info Code: Y 08-AUG-2007 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Troika Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14598 /13346	DEF AT first sample examined	DEF AT
14599 /13347	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
15200 /13871	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16520 /15022	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16550 /15049	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16580 /15075	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17050 /15481	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 205 Date of Summary: 24-AUG-1995 First Sample Examined: 4860 Source of Paleo: OPERATOR Lease Number: G05911 **Borehole MD:** 12660 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 12640 **API Well Number:** 608115008800 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 **Sample Range:** 4860 - 12660 Water Depth: 2600 Public Info Code: Y 16-FEB-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
4860 / 4860	DEF	AT first sample examined	DEF	AT	
5210 / 5210	DEF	AT	DEF	AT	1
6140 / 6140	DEF	AT	DEF	AT	2
6650 / 6650	DEF	AT	DEF	AT	4
6680 / 6680	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	4
7770 / 7770	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
8010 / 8010	DEF	AT	DEF	IN	3
9780 / 9776	DEF	AT	DEF	IN	2
10440 /10428	DEF	AT	DEF	IN	4
10620 /10606	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	4
10980 /10963	POS	AT transported shelf fauna	DEF	IN	2
11430 /11412	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	2
11700 /11681	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	5
11730 /11711	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	5
11970 /11951	POS	AT transported shelf fauna	POS	AT	2
12180 /12161	POS	AT transported outer shelf facies	POS	IN	3
12480 /12461	POS	AT transported shelf fauna	POS	AT	2
12660 /12641	DEF	AT last sample examined	POS	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 205 Date of Summary: 01-SEP-1995 First Sample Examined: 8970 Source of Paleo: OPERATOR Lease Number: G05911 **Borehole MD:** 13665 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 12967 **API Well Number:** 608115008801 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 **Sample Range:** 8970 - 13680 Water Depth: 2600 Public Info Code: Y 23-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone	
8970 / 8970	DEF AT first sample examined	DEF AT 3	
9840 / 9821	DEF AT	DEF AT 2	
10410 /10349	DEF AT	DEF AT 4	
10800 /10683	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4	
11280 /11072	DEF AT	DEF AT 2	
11610 /11336	DEF AT	DEF AT 4	
12300 /11883	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4	
12630 /12142	DEF AT	DEF AT 3	
13620 /12931	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3	
13650 /12954	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3	
13680 /	DEF AT last sample examined	DEF AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GC 212 Date of Summary: 23-OCT-1998 4125 Source of Paleo: OPERATOR Lease Number: G18344 **Borehole MD:** 12840 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12157 **API Well Number:** 608114023200 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 4125 - 12840 Water Depth: 2585 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
4125 / 4125	DEF	AT first sample examined	POS	AT	4
4126 / 4126	DEF	AT cement	POS	AT	4
5390 / 5389	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS	IN	4
7950 / 7945	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS	IN	4
9780 / 9713	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS	IN	4
11550 /11119	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
12149 /11596	DEF	AT condensed section	DEF	IN	4
12150 /11597	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	IN	4
12270 /11691	DEF	AT faunal change (no faunal increase)	DEF	AT	5
12300 /11715	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
12840 /12157	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 212 Date of Summary: 23-OCT-1998 First Sample Examined: 4125 Lease Number: G18344 Source of Paleo: OPERATOR **Borehole MD:** 12840 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12157 **API Well Number:** 608114023200 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 4125 - 12840 Water Depth: 2585 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description	<u>Ec</u>	ozone
4125 / 4125	DEF	AT first sample examined	DEF AT	
5940 / 5937	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT	
8550 / 8543	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT	
9748 / 9686	DEF	AT maximum flooding surface	DEF AT	
9750 / 9687	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT	
9780 / 9713	DEF	AT condensed section	DEF AT	
9781 / 9714	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT	
10889 /10601	DEF	AT maximum flooding surface	DEF AT	
10890 /10602	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT	
11550 /11119	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT	
11609 /11166	DEF	AT maximum flooding surface	DEF AT	
11610 /11167	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT	
12090 /11549	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT	
12150 /11597	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT	
12299 /11714	DEF	AT maximum flooding surface	DEF AT	
12300 /11715	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT	
12419 /11811	DEF	AT maximum flooding surface	DEF AT	
12420 /11811	DEF	IN condensed section	DEF AT	
12421 /11812	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT	
12449 /11835	DEF	AT maximum flooding surface	DEF AT	
12450 /11836	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT	
12840 /12157	DEF	AT last sample examined	DEF AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 246 Date of Summary: 29-JAN-2007 First Sample Examined: 4966 Lease Number: G16716 Source of Paleo: OPERATOR **Borehole MD:** 16130 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15264 **API Well Number:** 608114048500 Drilling Operator: WOODSIDE ENERGY USA INC **Rkb Elevation:** 82 **Sample Range:** 4966 - 16130 Paleo Report Num: 1 of 1 Water Depth: 3271 Public Info Code: Y 24-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		!	Ecozone
4966 / 4966	DEF	AT first sample examined	DEF	IN	4
7140 / 7140	DEF	AT	DEF	AT	5
7320 / 7320	DEF	AT	DEF	IN	5
7770 / 7770	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	5
8010 / 8010	DEF	AT	DEF	AT	4
11530 /11279	POS	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT	4
12430 /12044	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	4
13239 /12739	POS	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN	5
13240 /12740	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
13330 /12817	DEF	AT	DEF	AT	3
14270 /13630	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	3
14390 /13735	POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	3
14450 /13787	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	3
14659 /13971	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
14660 /13972	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
14720 /14024	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	IN	5
14750 /14050	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN	5
14840 /14129	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
15050 /14312	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	IN	5
15199 /14442	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	IN	5
15200 /14443	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
15290 /14522	DEF	AT	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 246 Date of Summary: 29-JAN-2007 First Sample Examined: 4966 Lease Number: G16716 Source of Paleo: OPERATOR **Borehole MD:** 16130 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15264 **API Well Number:** 608114048500 **Drilling Operator: WOODSIDE ENERGY USA INC Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 4966 - 16130 Water Depth: 3271 Public Info Code: Y 24-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD	Paleo Top Description		E	cozone
15489 /14697 DE	EF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT	4
15490 /14698 DE	F AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
15500 /14707 DE	EF AT	DEF	AT	5
15530 /14734 PC	DS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	5
15830 /14999 DE	F AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT	5
15860 /15025 DE	F AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6
15890 /15052 DE	EF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	6
15919 /15078 DE	EF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	6
15920 /15078 DE	EF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	6
15949 /15104 DE	F AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	6
15950 /15105 DE	EF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	6
16010 /15158 PC	DS AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	6
16039 /15183 DE	F AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	6
16040 /15184 DE	F AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	6
16100 /15237 DE	EF AT salt	DEF	AT	6
16130 /15264 DE	EF AT last sample examined	DEF	AT	6

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 20-OCT-1996 First Sample Examined: 9000 Lease Number: G15565 Source of Paleo: OPERATOR **Borehole MD:** 16500 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16494 **API Well Number:** 608115009700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 3 **Sample Range:** 9000 - 16000 Water Depth: 3328 Public Info Code: Y 11-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Glider Prospect, original hole report

MD/TVD		Paleo Top Description		E	cozone
9000 / 8999	DEF	AT first sample examined	DEF	AT	4
9120 / 9118	DEF	AT	DEF	IN	3
9180 / 9178	DEF	AT	DEF	AT	4
9240 / 9238	DEF	AT	DEF	IN	3
9330 / 9328	DEF	AT	DEF	AT	4
9360 / 9358	DEF	AT	DEF	IN	3
9420 / 9418	DEF	AT	DEF	AT	4
9480 / 9478	DEF	AT	DEF	IN	3
9510 / 9508	DEF	AT	DEF	AT	4
9540 / 9538	DEF	AT	DEF	IN	3
9570 / 9568	DEF	AT	DEF	AT	4
9600 / 9598	DEF	AT	DEF	IN	3
9630 / 9628	DEF	AT	DEF	AT	4
9690 / 9688	DEF	AT	DEF	IN	3
10830 /10828	DEF	AT	DEF	AT	4
11040 /11038	DEF	AT	DEF	AT	5
11070 /11068	DEF	AT	DEF	AT	4
11220 /11218	DEF	AT	DEF	IN	3
11250 /11248	DEF	AT	DEF	AT	4
11340 /11338	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
11490 /11488	DEF	AT	DEF	IN	3
11520 /11518	DEF	AT	DEF	AT	4

MD/TVD

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Fcozone

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 20-OCT-1996 First Sample Examined: 9000 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 16500 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16494 **API Well Number:** 608115009700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 3 **Sample Range:** 9000 - 16000 Water Depth: 3328 Public Info Code: Y 11-JAN-2007 Paleo ID: Ecozone Eq MMS: Y 002

MID/ IVD	Paleo Top Description			cozone
11640 /11638	DEF AT D	ΞF	IN	3
11910 /11908	DEF AT local marker foram increase D	ΞF	AT	4
11940 /11938	DEF AT D	ΞF	AT	5
11970 /11968	DEF AT D	ΞF	IN	3
12000 /11998	DEF AT D	ΞF	AT	4
12180 /12178	DEF AT D	ΞF	IN	3
12450 /12447	DEF AT D	ΞF	AT	4
12600 /12597	DEF AT D	ΞF	IN	3
13440 /13437	DEF AT local marker foram increase D	ΞF	AT	5
13470 /13467	DEF AT D	ΞF	IN	4
13560 /13557	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri D	ΞF	IN	4
13710 /13706	DEF AT D	ΞF	IN	3
13740 /13736	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri D	ΞF	IN	4
13890 /13886	DEF AT D	ΞF	IN	3
14100 /14096	DEF AT D	ΞF	AT	4
14190 /14186	DEF AT D	ΞF	IN	4
14550 /14546	DEF AT D	ΞF	AT	4
14850 /14846	DEF AT D	ΞF	IN	3
14880 /14876	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica D	ΞF	AT	5
14910 /14906	DEF AT D	ΞF	AT	4
14940 /14936	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira D	ΞF	AT	5
14970 /14966	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina D	ΞF	AT	5
15210 /15206	DEF AT D	ΞF	AT	4
16000 /15995	DEF AT last sample examined	os	AT	4

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 12-DEC-1996 First Sample Examined: 15590 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 16500 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16494 **API Well Number:** 608115009700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 3 **Sample Range:** 15590 - 16500 Water Depth: 3328 Public Info Code: Y 11-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Glider Prospect, bypass 2 report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15590 /15585	DEF AT first sample examined	DEF AT 4
16280 /16274	DEF AT	DEF AT 4
16490 /16484	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16500 /16494	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 14-AUG-1997 First Sample Examined: 9000 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 16500 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 16494 **API Well Number:** 608115009700 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 3 of 3 **Sample Range:** 6000 - 16500 Water Depth: 3328 Public Info Code: Y 11-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Glider Prospect, company-integrated foram and nanno report, original hole and bypass 2

MD/TVD		Paleo Top Description		E	Ecozone
9000 / 8999	DEF	AT first sample examined	DEF	AT	4
9540 / 9538	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	IN	3
10890 /10888	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	4
11400 /11398	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT	4
12840 /12837	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	4
13470 /13467	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN	4
13590 /13587	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	4
14700 /14696	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	IN	4
14850 /14846	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN	3
14880 /14876	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	3
14910 /14906	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
14970 /14966	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
14971 /14967	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	5
15800 /15795	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
15830 /15825	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	4
16309 /16303	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT	4
16310 /16304	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
16500 /16494	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 03-JUL-1997 First Sample Examined: 9020 Lease Number: G15565 Source of Paleo: OPERATOR **Borehole MD:** 16466 Well Name: GL003 Paleo Done By: THOMAS REILLY **Borehole TVD:** 16204 **API Well Number:** 608115012000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 3 **Sample Range:** 9020 - 16470 Water Depth: 3440 Public Info Code: Y 31-AUG-2007 Paleo ID: **Ecozone Eq MMS:** Y 002

Remark:

MD/TVD		Paleo Top Description		Ec	cozone
9020 / 9020	DEF	AT first sample examined	DEF	AT	4
9080 / 9080	DEF	AT	DEF	AT	3
9460 / 9459	DEF	AT local marker foram increase	DEF	AT	3
9580 / 9578	DEF	AT	DEF	IN	3
9640 / 9638	DEF	AT	DEF	AT	3
9730 / 9728	DEF	AT	DEF	AT	4
9760 / 9757	DEF	AT	DEF	IN	3
9880 / 9876	DEF	AT	DEF	AT	3
9970 / 9966	DEF	AT	DEF	IN	3
10150 /10143	DEF	AT	DEF	AT	3
11290 /11230	DEF	AT local marker foram increase	DEF	AT	3
11320 /11258	DEF	AT	DEF	AT	4
11380 /11313	DEF	AT local marker foram decrease	DEF	AT	3
11410 /11341	DEF	AT	DEF	AT	4
11440 /11369	DEF	AT	DEF	IN	3
11530 /11452	DEF	AT	DEF	AT	3
11680 /11591	DEF	AT	DEF	IN	3
12130 /12008	DEF	AT	DEF	AT	3
12280 /12148	DEF	AT	DEF	AT	4
12430 /12288	DEF	AT	DEF	AT	3
12730 /12571	DEF	AT	DEF	IN	3
12760 /12599	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 03-JUL-1997 First Sample Examined: 9020 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 16466 Well Name: GL003 Paleo Done By: THOMAS REILLY **Borehole TVD:** 16204 **API Well Number:** 608115012000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 3 **Sample Range:** 9020 - 16470 Water Depth: 3440 Public Info Code: Y 31-AUG-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		E	cozone
13030 /12855	DEF	AT	DEF	AT	4
13710 /13502	DEF	AT	DEF	IN	3
14310 /14075	DEF	AT	DEF	AT	4
14340 /14104	DEF	AT local marker foram increase	DEF	AT	4
15330 /15070	DEF	AT	DEF	AT	3
15360 /15100	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
15390 /15129	DEF	AT	DEF	AT	4
15420 /15159	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
15450 /15189	DEF	AT	DEF	AT	4
15600 /15339	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	3
16440 /16178	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 08-AUG-1997 First Sample Examined: 8270 Lease Number: G15565 Source of Paleo: OPERATOR **Borehole MD:** 16466 Well Name: GL003 Paleo Done By: OPERATOR **Borehole TVD:** 16204 **API Well Number:** 608115012000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 3 **Sample Range:** 8270 - 16470 Water Depth: 3440 Public Info Code: Y 31-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nanno summary determined by Witrock (MMS) from detailed paleo report (no nanno summary report available from

operator)

MD/TVD		Paleo Top Description		Ecozone
8270 / 8270	DEF	AT first sample examined	DEF	AT
8271 / 8271	DEF	AT reworked material	DEF	AT
8660 / 8660	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
8810 / 8810	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
8900 / 8900	POS	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
11500 /11424	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
12760 /12599	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
14370 /14132	POS	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14490 /14248	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
15390 /15129	POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
15420 /15159	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
15480 /15219	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
16290 /16028	POS	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT
16350 /16088	POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
16470 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 13-AUG-1997 First Sample Examined: 9020 Lease Number: G15565 Source of Paleo: OPERATOR **Borehole MD:** 16466 Well Name: GL003 Paleo Done By: OPERATOR **Borehole TVD:** 16204 **API Well Number:** 608115012000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 3 of 3 **Sample Range:** 9020 - 16470 Water Depth: 3440 Public Info Code: Y 31-AUG-2007 Paleo ID: Ecozone Eq MMS: N 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
9020 / 9020	DEF	AT first sample examined	DEF	AT
11500 /11424	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
12759 /12598	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
12760 /12599	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
14370 /14132	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
14460 /14219	DEF	AT reworked material	DEF	AT
14490 /14248	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
15360 /15100	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT
15390 /15129	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
15419 /15158	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
15420 /15159	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
15480 /15219	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
15600 /15339	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT
15660 /15399	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
16290 /16028	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT
16350 /16088	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
16470 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: 13320 Area Block: GC 248 Date of Summary: 08-SEP-1997 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 17496 Paleo Done By: THOMAS REILLY Well Name: GL003 **Borehole TVD:** 17000 **API Well Number:** 608115012001 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 13320 - 17490 Water Depth: 3440 Public Info Code: Y 06-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
13320 /13132	DEF	AT first sample examined	POS IN	۷ 3
13470 /13278	DEF	AT	DEF IN	١ 3
13860 /13659	DEF	AT	DEF A	T 4
14490 /14276	DEF	AT local marker foram increase	DEF A	.T 4
15750 /15387	DEF	AT local marker foram increase	DEF A	.T 4
15810 /15438	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF A	T 4
15870 /15488	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	T 4
15990 /15590	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF A	T 4
17370 /16878	DEF	AT local marker foram increase	DEF A	.T 4
17460 /16966	DEF	AT last sample examined	DEF A	T 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 248 Date of Summary: 14-JUL-2003 First Sample Examined: 13315 Source of Paleo: OPERATOR Lease Number: G15565 **Borehole MD:** 17496 Paleo Done By: OPERATOR Well Name: GL003 **Borehole TVD:** 17000 **API Well Number:** 608115012001 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 13315 - 17490 Water Depth: 3440 Public Info Code: Y 06-OCT-2007 Paleo ID: 002 Ecozone Eq MMS: Y

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
13315 /13127	DEF	AT first sample examined	POS	AT	4
13590 /13395	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	4
14490 /14276	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	4
15690 /15338	POS	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT	4
15806 /15434	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	4
15810 /15438	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
15840 /15463	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	4
15870 /15488	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
15930 /15539	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	4
15990 /15590	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
16020 /15616	DEF	AT reworked material	DEF	AT	4
16890 /16414	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	4
17490 /16995	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 254 Date of Summary: 19-FEB-1996 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G07049 **Borehole MD:** 15698 Paleo Done By: OPERATOR Well Name: 005 **Borehole TVD:** 13726 **API Well Number:** 608115009000 **Drilling Operator:** ENSERCH EXPLORATION INC **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 3234 Public Info Code: Y 29-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone
12830 /10997	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13040 /11177	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
13970 /12021	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 288 Date of Summary: 01-JUL-2000 First Sample Examined: 5570 Lease Number: G18355 Source of Paleo: OPERATOR **Borehole MD:** 16160 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 15912 **API Well Number:** 608114028000 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 85 **Sample Range:** 5570 - 16130 Paleo Report Num: 1 of 1 Water Depth: 3156 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, 7520=Gephyrocapsa margerelli, 13400=Gephyrocapsa margerelli increase, 15680=Reticulofenestra minuta

MD/TVD		Paleo Top Description		Ecozone
5570 / 5570	DEF	AT first sample examined	DEF	AT
5571 / 5571	POS	IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF	AT
6230 / 6229	POS	AT reworked material	DEF	AT
6619 / 6618	POS	AT unconformity	DEF	AT
6620 / 6619	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF	AT
7130 / 7129	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
7520 / 7519	POS	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
7610 / 7609	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
8360 / 8359	DEF	AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF	AT
9830 / 9829	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa (acme)	DEF	AT
10070 /10069	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa (acme)	DEF	AT
10100 /10099	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
10101 /10100	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
11750 /11678	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
11870 /11783	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
13310 /13078	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
13400 /13165	DEF	IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
14120 /13877	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
14150 /13907	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
14330 /14086	DEF	AT local marker floral increase	DEF	AT
15680 /15435	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
15830 /15584	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:GC288Date of Summary:01-JUL-2000First Sample Examined:5570Lease Number:G18355Source of Paleo:OPERATORBorehole MD:16160Well Name:001Paleo Done By:APPLIED BIOSTRATIGRAPHIXBorehole TVD:15912PI Well Number:608114028000Drilling Operator:DEVON LOUISIANA CORPORATIONRkb Elevation:85

API Well Number: 608114028000 Drilling Operator: DEVON LOUISIANA CORPORATION Rkb Elevation: 85
Paleo Report Num: 1 of 1 Sample Range: 5570 - 16130 Water Depth: 3156

Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS:

MD/TVDPaleo Top DescriptionEcozone15950 /15704DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlaeDEF AT Iast sample examined16100 /15854DEF AT last sample examinedDEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 298 Date of Summary: 01-JUN-1997 First Sample Examined: 5270 Lease Number: G08876 Source of Paleo: OPERATOR **Borehole MD:** 16478 Well Name: SS001 Paleo Done By: OPERATOR **Borehole TVD:** 15531 **API Well Number:** 608115009400 **Drilling Operator:** ENSERCH EXPLORATION INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 5270 - 15500 Water Depth: 3308 Public Info Code: Y 17-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark:

MD/TVD		Paleo Top Description			Ecozone
5270 / 5270	DEF	AT first sample examined	D	EF	AT
6350 / 6349	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	D	EF	AT
7070 / 7065	DEF	AT reworked material	D	EF	AT
8060 / 8053	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	D	EF	AT
8870 / 8863	POS	AT Middle Pleistocene (Ionian) Trimosina "A"	D	EF	AT
9230 / 9223	DEF	AT local marker foram increase	D	EF	AT
9620 / 9611	DEF	AT local marker foram increase	D	EF	AT
10940 /10834	DEF	AT Lower Pleistocene (Calabrian) Angulogerina magna	D	EF	AT
11060 /10931	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	D	EF	AT
11180 /11026	DEF	AT Cyclammina sp. (local marker)	D	EF	AT
11870 /11537	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	D	EF	AT
12250 /11815	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	D	EF	AT
12559 /12040	DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	D	EF	AT
12560 /12041	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	D	EF	AT
12680 /12127	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	D	EF	AT
12740 /12170	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	D	EF	AT
12980 /12343	DEF	AT local marker planktic foram increase	D	EF	AT
13490 /12737	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	D	EF	AT
13790 /12993	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	D	EF	AT
14750 /13871	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	D	EF	AT
15500 /14577	DEF	AT last sample examined	D	EF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 376 Date of Summary: 04-OCT-2006 First Sample Examined: 5600 Lease Number: G18373 Source of Paleo: OPERATOR **Borehole MD:** 19678 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19260 **API Well Number:** 608114045600 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 83 Sample Range: 5600 - 19678 Paleo Report Num: 1 of 1 Water Depth: 3040 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available,

see report for details

_	MD/TVD		Paleo Top Description			Ecozone
	5600 / 5600	DEF	AT first sample examined	DEF	IN	4
	5601 / 5601	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN	4
	5660 / 5660	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	4
	5690 / 5690	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN	4
	5780 / 5780	DEF	AT	DEF	IN	5
	6320 / 6320	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	IN	5
	6677 / 6677	DEF	AT unconformity	DEF	IN	5
	6678 / 6678	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN	5
	6679 / 6679	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	IN	5
	6680 / 6680	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
	6709 / 6709	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
	6710 / 6710	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
	6800 / 6800	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	5
	6980 / 6980	DEF	AT	DEF	ΑT	5
	7010 / 7010	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	5
	7160 / 7160	DEF	AT	DEF	IN	5
	7190 / 7190	DEF	AT anhydrite	DEF	IN	5
	7475 / 7475	DEF	IN salt	DEF	IN	5
	7476 / 7476	DEF	AT sample gap top	DEF	IN	5
•	19676 /19258	DEF	AT sample gap bottom	DEF	IN	5
•	19677 /19259	DEF	AT base of salt	POS	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GC 376 Date of Summary: 04-OCT-2006 First Sample Examined: 5600

Lease Number:G18373Source of Paleo:OPERATORBorehole MD:19678Well Name:001Paleo Done By:PALEO-DATA, INC.Borehole TVD:19260

API Well Number: 608114045600 Drilling Operator: HESS CORPORATION Rkb Elevation: 83

 Paleo Report Num:
 1 of 1
 Sample Range:
 5600 - 19678
 Water Depth:
 3040

 Public Info Code:
 Y 30-APR-2007
 Ecozone Eq MMS:
 Y
 Paleo ID:
 001

MD/TVD Paleo Top Description Ecozone

19678 /19260 DEF AT last sample examined POS IN 5

This report contains public paleo reports only for the time period stated $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac$

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 376 Date of Summary: 04-OCT-2006 First Sample Examined: 19980 Lease Number: G18373 Source of Paleo: OPERATOR **Borehole MD:** 26755 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 25502 **API Well Number:** 608114045602 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 83 Sample Range: 19980 - 26757 Paleo Report Num: 1 of 1 Water Depth: 3040 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available,

see report for details

MD/TVD		Paleo Top Description		E	<u> Cozone</u>
19980 /19339	DEF	AT first sample examined	POS	IN	5
20129 /19473	DEF	AT out-of-place section	POS	IN	5
20130 /19474	POS	AT transported outer shelf facies	POS	IN	5
20250 /19583	DEF	AT	DEF	IN	5
20280 /19610	DEF	AT out-of-place section	DEF	AT	6
20310 /19638	POS	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT	6
20320 /19647	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6
20340 /19665	DEF	AT transported outer shelf facies	POS	AT	6
20370 /19692	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS	AT	6
20490 /19801	DEF	AT	DEF	IN	5
20970 /20236	DEF	AT transported outer shelf facies	POS	IN	5
21510 /20724	DEF	AT sample gap top	POS	IN	5
22790 /21828	DEF	AT sample gap bottom	POS	IN	5
23900 /22838	POS	AT reworked material	POS	IN	5
24020 /22948	DEF	AT transported outer shelf facies	DEF	AT	6
26360 /25133	DEF	AT transported outer shelf facies	DEF	AT	6
26757 /	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 376 Date of Summary: 23-OCT-2006 First Sample Examined: 24490 Source of Paleo: OPERATOR Lease Number: G18373 **Borehole MD:** 30072 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 28648 **API Well Number:** 608114045603 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 83 **Sample Range:** 24490 - 30072 Paleo Report Num: 1 of 1 Water Depth: 3040 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available,

see report for details

MD/TVD	Paleo Top Description		Eco	zone
24490 /23372	DEF AT first sample examined	DEF	IN	5
24491 /23373	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	5
27980 /26681	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN	5
30072 /28648	DEF AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 379 Date of Summary: 24-JUN-2003 First Sample Examined: 10000 Source of Paleo: OPERATOR Lease Number: G15577 **Borehole MD:** 13964 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13604 **API Well Number:** 608114035003 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 **Sample Range:** 10000 - 13810 Water Depth: 3868 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
10000 / 9925	DEF	AT first sample examined	DEF	AT	5
10150 /10073	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
10900 /10797	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
13810 /13459	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 379 Date of Summary: 24-JUN-2003 First Sample Examined: 10000 Source of Paleo: OPERATOR Lease Number: G15577 **Borehole MD:** 13964 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13604 **API Well Number:** 608114035003 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 2 of 2 **Sample Range:** 10000 - 13810 Water Depth: 3868 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10000 / 9925	DEF AT first sample examined	DEF AT
10180 /10102	DEF IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT
13810 /13459	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-AUG-2003 Area Block: GC 435 First Sample Examined: 7112 Lease Number: G18387 Source of Paleo: OPERATOR **Borehole MD:** 19610 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 19587 **API Well Number:** 608114038300 **Drilling Operator:** CONOCOPHILLIPS COMPANY **Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 7112 - 10200 Water Depth: 3813 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Yorick Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
7112 / 7110	DEF	AT first sample examined	DEF	AT
7113 / 7111	POS	IN Upper Pleistocene (Ionian) Pontosphaera indooceanica	DEF	AT
7820 / 7817	POS	AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF	AT
7879 / 7876	POS	AT unconformity	DEF	AT
7880 / 7877	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
8000 / 7997	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
9389 / 9384	DEF	AT condensed section	DEF	AT
9390 / 9385	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
9570 / 9565	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
9600 / 9595	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
9630 / 9625	DEF	AT reworked material	DEF	AT
9720 / 9714	DEF	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
9840 / 9834	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
9960 / 9954	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
10050 /10044	POS	IN Upper Miocene (Tortonian) Discoaster calcaris	DEF	AT
10200 /10194	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 435 Date of Summary: 01-NOV-2003 First Sample Examined: 7112 Source of Paleo: OPERATOR Lease Number: G18387 **Borehole MD:** 19610 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 19587 **API Well Number:** 608114038300 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 7112 - 17280 Water Depth: 3813 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Yorick Prospect

MD/TVD		Paleo Top Description			Ecozone
7112 / 7110	DEF	AT first sample examined	DEF	AT	4
7113 / 7111	POS	IN Holocene Globorotalia inflata	DEF	AT	4
7820 / 7817	DEF	AT local marker foram increase	DEF	AT	5
8000 / 7997	POS	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	6
8180 / 8177	DEF	AT	DEF	AT	4
9090 / 9086	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
9300 / 9295	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	6
9330 / 9325	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	6
9480 / 9475	DEF	AT	POS	AT	5
9539 / 9534	DEF	IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	6
9540 / 9535	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	6
9570 / 9565	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	6
9600 / 9595	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	6
9690 / 9685	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
9870 / 9864	POS	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
9990 / 9984	POS	AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	AT	6
10050 /10044	DEF	AT	DEF	AT	5
10200 /10194	DEF	AT salt	DEF	AT	5
17190 /17170	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
17280 /17260	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 435 Date of Summary: 02-JAN-2004 First Sample Examined: 22020 Source of Paleo: OPERATOR Lease Number: G18387 **Borehole MD:** 23076 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 22206 **API Well Number:** 608114038301 **Drilling Operator:** CONOCOPHILLIPS COMPANY **Rkb Elevation:** 79 Paleo Report Num: 1 of 1 Sample Range: 22020 - 23076 Water Depth: 3813 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Yorick Prospect, calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
22020 /21168	DEF AT first sample examined	DEF AT
22021 /21169	DEF IN base of salt	DEF AT
22022 /21170	DEF AT out-of-place section	DEF AT
22750 /21883	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22900 /22032	DEF AT reworked material	DEF AT
23020 /22151	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23076 /22207	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 435 Date of Summary: 02-JAN-2004 First Sample Examined: 22720 Source of Paleo: OPERATOR Lease Number: G18387 **Borehole MD:** 30547 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 002 **Borehole TVD:** 29560 **API Well Number:** 608114038302 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 79 Paleo Report Num: 1 of 1 Sample Range: 22720 - 30547 Water Depth: 3813 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Yorick Prospect

MD/TVD	Paleo Top Description	Ecozone
22720 /21853	DEF AT first sample examined D	EF AT
22721 /21854	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	EF AT
22810 /21942	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	EF AT
23080 /22208	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	EF AT
23770 /22888	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus D	EF AT
24040 /23155	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus D	EF AT
24640 /23748	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	EF AT
24850 /23955	DEF AT local marker floral increase D	EF AT
25210 /24311	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	EF AT
26020 /25108	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta D	EF AT
27040 /26114	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	EF AT
27430 /26498	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri D	EF AT
28390 /27444	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos D	EF AT
29020 /28067	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus D	EF AT
29080 /28126	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus D	EF AT
29230 /28274	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	EF AT
29320 /28363	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	EF AT
29470 /28510	DEF AT reworked material D	EF AT
29620 /28657	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus D	EF AT
29649 /28685	POS AT reworked material D	EF AT
29650 /28686	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus D	EF AT
30070 /29098	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis D	EF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 31-JUL-2007

Area Block: GC 435 Date of Summary: 02-JAN-2004 First Sample Examined: 22720

Lease Number: G18387Source of Paleo: OPERATORBorehole MD:30547Well Name: 002Paleo Done By: APPLIED BIOSTRATIGRAPHIXBorehole TVD:29560

API Well Number: 608114038302 Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation: 79

Paleo Report Num: 1 of 1 Sample Range: 22720 - 30547 Water Depth: 3813

MD/TVDPaleo Top DescriptionEcozone30190 /29215DEFIN Lower Miocene (Aquitanian) Sphenolithus dissimilisDEFAT30520 /29535DEFAT last sample examinedDEFAT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 24-MAR-2003 Area Block: GC 569 First Sample Examined: 19100 Lease Number: G18399 Source of Paleo: OPERATOR **Borehole MD:** 23607 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 23247 **API Well Number:** 608114036501 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 Sample Range: 19100 - 23607 Water Depth: 4159 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 19101=first sample with Late Oligocene fauna associated with salt, 19250=Pliocene fauna no older than Globoquadrina altispira

MD/TVD		Paleo Top Description		Ecozone
19100 /18970	DEF	AT first sample examined	DEF AT	Т 5
19101 /18971	POS	AT Oligocene Anahuac Formation/Provincial Stage	DEF AT	Т 5
19250 /19120	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT	Т 5
20860 /20726	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT	Т 5
21440 /21282	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT	Т 5
23240 /22907	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT	Т 5
23440 /23091	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT	Т 5
23607 /23246	DEF	AT last sample examined	DEF AT	T 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 569 First Sample Examined: 19100 Date of Summary: 24-MAR-2003 Lease Number: G18399 Source of Paleo: OPERATOR **Borehole MD:** 23607 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 23247 **API Well Number:** 608114036501 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 82 Sample Range: 19100 - 23607 Paleo Report Num: 2 of 2 Water Depth: 4159 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 19101=first samples below salt in jumbled section, indicates Oligocene flora is the oldest assemblage with

Sphenolithus predistentus and Sphenolithus distentus, 19130=mixed Middle Miocene floral assemblage to 20630

MD/TVD		Paleo Top Description		Ecozone
19100 /18970	DEF	AT first sample examined	DEF	AT
19101 /18971	POS	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
19130 /19000	POS	AT Middle Miocene	DEF	AT
20630 /20498	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
21200 /21056	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
21770 /21587	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
21890 /21696	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
22370 /22125	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
23240 /22907	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
23390 /23045	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
23607 /23246	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 730 Date of Summary: 01-FEB-2002 First Sample Examined: 15700 Source of Paleo: OPERATOR Lease Number: G16778 **Borehole MD:** 22270 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 19656 **API Well Number:** 608114030503 **Drilling Operator: CONOCO INC Rkb Elevation:** 75 Paleo Report Num: 1 of 2 **Sample Range:** 15700 - 21610 Water Depth: 4461 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Calcareous nannofossil report, the Middle Miocene section at the bottom of the well is probably salt-related

MD/TVD	Paleo Top Description	Ecozone
15700 /15323	DEF AT first sample examined	DEF AT
15701 /15324	DEF IN out-of-place section	DEF AT
16060 /15545	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16090 /15564	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16300 /15693	DEF AT reworked material	DEF AT
16720 /15953	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16810 /16009	DEF AT sample gap top	DEF AT
17020 /16138	DEF AT sample gap bottom	DEF AT
17740 /16582	DEF AT reworked material	DEF AT
17860 /16656	DEF AT local marker floral increase	DEF AT
17920 /16693	DEF AT reworked material	DEF AT
18400 /16990	DEF AT reworked material	DEF AT
18940 /17331	DEF AT reworked material	DEF AT
19330 /17578	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19540 /17712	DEF AT local marker floral increase	DEF AT
19600 /17751	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19660 /17789	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19720 /17828	DEF AT local marker floral increase	DEF AT
20050 /18037	DEF AT reworked material	DEF AT
20080 /18056	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20260 /18174	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20470 /18316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 730 Date of Summary: 01-FEB-2002 First Sample Examined: 15700 Source of Paleo: OPERATOR Lease Number: G16778 **Borehole MD:** 22270 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 19656 **API Well Number:** 608114030503 **Drilling Operator: CONOCO INC Rkb Elevation:** 75 Paleo Report Num: 1 of 2 **Sample Range:** 15700 - 21610 Water Depth: 4461 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

MD/TVD		Paleo Top Description		<u>Ecozone</u>
20680 /18465	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
20950 /18662	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
21070 /18751	DEF	AT sample gap top	DEF	AT
21250 /18886	DEF	AT sample gap bottom	DEF	AT
21370 /18979	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
21430 /19026	DEF	IN Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF	AT
21490 /19073	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
21520 /19096	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
21550 /19120	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
21610 /19166	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 730 Date of Summary: 20-APR-2002 First Sample Examined: 15970 Source of Paleo: OPERATOR Lease Number: G16778 **Borehole MD:** 22270 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 19656 **API Well Number:** 608114030503 **Drilling Operator: CONOCO INC Rkb Elevation:** 75 Paleo Report Num: 2 of 2 **Sample Range:** 15970 - 20830 Water Depth: 4461 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description			Ecozone
15970 /15490	DEF	AT first sample examined	DEF	AT	
15971 /15491	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	ΑT	
16059 /15545	DEF	AT local marker floral increase	DEF	ΑT	
16060 /15545	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	
16089 /15563	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	ΑT	
16090 /15564	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	ΑT	
16180 /15619	POS	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	ΑT	
16210 /15637	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	ΑT	
16720 /15953	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	ΑT	
19510 /17693	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	ΑT	
19600 /17751	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	ΑT	
20680 /18465	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	ΑT	
20800 /18552	DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	ΑT	
20830 /18574	DEF	AT last sample examined	DEF	ΑT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 732 Date of Summary: 23-FEB-2007 First Sample Examined: 6030 Lease Number: G18431 Source of Paleo: OPERATOR **Borehole MD:** 7500 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 7499 **API Well Number:** 608114048900 Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 6030 - 7500 Water Depth: 4315 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD/TVD	Paleo Top Description		Ecozone
6030 / 6030	DEF AT first sample examined	DEF	AT 4
6090 / 6090	DEF AT out-of-place section	DEF .	AT 4
6419 / 6418	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	IN 5
6420 / 6419	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN 5
6990 / 6989	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN 5
7500 / 7499	DEF AT last sample examined	DEF	IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 765 First Sample Examined: 8195 Date of Summary: 16-JAN-2006 Lease Number: G16793 Source of Paleo: OPERATOR **Borehole MD:** 24848 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22279 **API Well Number:** 608114045300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 8195 - 24850 Water Depth: 5313 Public Info Code: Y 09-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
8195 / 8195	DEF	AT first sample examined	DEF	IN 5
9140 / 9140	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	IN 5
9170 / 9170	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN 5
10160 /10160	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN 5
10970 /10969	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	IN 5
17300 /16339	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	IN 5
17420 /16435	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	IN 5
17539 /16531	DEF	IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	IN 5
17540 /16531	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN 5
18080 /16963	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN 5
22609 /20511	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN 5
22610 /20512	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN 5
23530 /21236	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN 5
23570 /21267	POS	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN 5
24260 /21814	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN 5
24499 /22002	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN 5
24500 /22003	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN 5
24617 /22095	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	IN 5
24618 /22095	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN 5
24619 /22096	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN 5
24620 /22097	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 5
24680 /22144	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN 5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 765 Date of Summary: 16-JAN-2006 First Sample Examined: 8195

Lease Number: G16793 Source of Paleo: OPERATOR **Borehole MD:** 24848 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 22279

API Well Number: 608114045300 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:**

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Sample Range: 8195 - 24850 Paleo Report Num: 1 of 1 Water Depth: 5313 Public Info Code: Y 09-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD **Paleo Top Description Ecozone** 24850 / DEF AT last sample examined DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 19-MAR-2001 Area Block: GC 785 First Sample Examined: 11000 Lease Number: G18438 Source of Paleo: OPERATOR **Borehole MD:** 24050 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 24043 **API Well Number:** 608114029100 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 24050 Water Depth: 7169 Public Info Code: Y 31-JUL-2007 Paleo ID: 001 **Ecozone Eq MMS:**

Remark: Dendara Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
11000 /11000	DEF	AT first sample examined	DEF	AT
11001 /11001	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
12680 /12680	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
13040 /13040	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
13340 /13339	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
13490 /13489	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
14240 /14239	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
14390 /14389	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
15170 /15168	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
15320 /15318	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
15380 /15378	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
15410 /15408	DEF	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
16189 /16186	POS	AT unconformity	DEF	AT
16190 /16187	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
16220 /16217	POS	IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF	AT
16250 /16247	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
17090 /17087	POS	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
17840 /17837	POS	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
17990 /17987	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
18020 /18017	DEF	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
18110 /18107	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
18260 /18257	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT

MD/TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 785 Date of Summary: 19-MAR-2001 First Sample Examined: 11000 Lease Number: G18438 Source of Paleo: OPERATOR **Borehole MD:** 24050 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 24043 **API Well Number:** 608114029100 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 24050 Water Depth: 7169 Public Info Code: Y 31-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 001

_	IVID / I V D		raied top bescription		ECOZOTIE
•	18330 /18327	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
•	18620 /18617	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
•	19400 /19397	POS	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
2	20270 /20267	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
2	21440 /21436	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
2	21530 /21526	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
2	22010 /22005	DEF	AT local marker floral increase	DEF	AT
2	22460 /22455	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
2	23150 /23144	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
2	23360 /23354	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
2	23780 /23774	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
2	23960 /23953	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT
2	24049 /24042	POS	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT
2	24050 /24043	DEF	AT last sample examined	DEF	AT

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 872 Date of Summary: 01-SEP-2001 First Sample Examined: 10830 Source of Paleo: OPERATOR Lease Number: G16825 **Borehole MD:** 19134 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 19127 **API Well Number:** 608114029200 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 1 of 2 Sample Range: 10830 - 19134 Water Depth: 7460 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, 16700=Middle Miocene Catinaster A, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10830 /10828	DEF	AT first sample examined	DEF	AT
11190 /11188	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
12720 /12718	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa (acme)	DEF	AT
12750 /12748	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
12840 /12838	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa (increase)	DEF	AT
12900 /12898	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
14240 /14238	DEF	AT reworked material	DEF	AT
14300 /14298	DEF	AT reworked material	DEF	AT
14450 /14448	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
15170 /15168	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
15200 /15198	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
15260 /15258	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
15290 /15288	DEF	IN Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
15440 /15438	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
15530 /15528	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
16040 /16037	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
16370 /16367	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
16372 /16369	DEF	AT reworked material	DEF	AT
16400 /16397	POS	AT local marker floral increase	DEF	AT
16700 /16697	DEF	IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
16820 /16817	DEF	AT local marker floral increase	DEF	AT
17480 /17477	DEF	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 872 Date of Summary: 01-SEP-2001 First Sample Examined: 10830 Lease Number: G16825 Source of Paleo: OPERATOR **Borehole MD:** 19134 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 19127 **API Well Number:** 608114029200 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 1 of 2 Sample Range: 10830 - 19134 Water Depth: 7460 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

MD/TVD		Paleo Top Description		Ecozone
17510 /17507	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
17840 /17837	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
18110 /18106	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
18230 /18226	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
18380 /18376	DEF	AT local marker floral increase	DEF	AT
18500 /18495	DEF	AT local marker floral increase	DEF	AT
18829 /18823	DEF	AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
18830 /18824	DEF	AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF	AT
18860 /18854	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
19010 /19003	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
19011 /19004	DEF	AT reworked material	DEF	AT
19134 /19126	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 872 Date of Summary: 01-SEP-2001 First Sample Examined: 10830 Source of Paleo: OPERATOR Lease Number: G16825 **Borehole MD:** 19134 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 19127 **API Well Number:** 608114029200 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 2 of 2 Sample Range: 10830 - 19134 Water Depth: 7460 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
10830 /10828	DEF	AT first sample examined	POS	IN	3
10950 /10948	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11070 /11068	DEF	IN Holocene Globorotalia inflata	POS	IN	3
11130 /11128	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS	IN	3
11250 /11248	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11430 /11428	DEF	AT faunal change (no faunal increase)	POS	AT	4
12090 /12088	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12390 /12388	DEF	AT shell fragments	DEF	IN	3
12570 /12568	POS	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	3
12810 /12808	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
12930 /12928	DEF	AT faunal change (no faunal increase)	DEF	IN	3
13410 /13408	DEF	AT faunal change (no faunal increase)	POS	IN	3
15140 /15138	DEF	AT local marker foram increase	DEF	AT	4
15230 /15228	POS	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
15260 /15258	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
15290 /15288	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
15291 /15289	POS	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	4
15349 /15347	DEF	AT limestone	DEF	IN	4
15350 /15348	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	4
15410 /15408	DEF	AT faunal change (no faunal increase)	POS	AT	4
15560 /15558	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15650 /15648	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 872 Date of Summary: 01-SEP-2001 First Sample Examined: 10830 Source of Paleo: OPERATOR Lease Number: G16825 **Borehole MD:** 19134 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 19127 **API Well Number:** 608114029200 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC **Rkb Elevation:** 83 Paleo Report Num: 2 of 2 Sample Range: 10830 - 19134 Water Depth: 7460 Public Info Code: Y 31-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD		Paleo Top Description		Ec	cozone
15800 /15798	DEF	AT faunal change (no faunal increase)	POS	AT	4
15950 /15948	DEF	AT faunal change (no faunal increase)	DEF	IN	4
16010 /16007	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
16100 /16097	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16460 /16457	DEF	AT faunal change (no faunal increase)	POS	AT	4
16760 /16757	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16790 /16787	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	4
16910 /16907	DEF	AT faunal change (no faunal increase)	POS	AT	4
17090 /17087	DEF	AT faunal change (no faunal increase)	DEF	AT	4
17210 /17207	DEF	AT faunal change (no faunal increase)	POS	AT	4
17570 /17567	DEF	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
17780 /17777	DEF	AT reworked material	DEF	AT	4
17870 /17867	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
18110 /18106	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
18560 /18555	POS	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	4
18710 /18704	DEF	AT faunal change (no faunal increase)	POS	AT	4
18800 /18794	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19100 /19092	POS	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	4
19134 /19126	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 902 Date of Summary: 30-APR-2007 First Sample Examined: 19470 Lease Number: G18454 Source of Paleo: OPERATOR **Borehole MD:** 26061 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 25450 **API Well Number:** 608114049000 **Drilling Operator:** BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 **Sample Range:** 19470 - 26062 Paleo Report Num: 1 of 1 Water Depth: 5233 Public Info Code: Y 23-AUG-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Big Kahuna Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see

report for details

MD/TVD		Paleo Top Description		E	Ecozone
19470 /19345	DEF	AT first sample examined	DEF	AT	4
19471 /19346	DEF	IN salt	DEF	AT	4
19472 /19347	DEF	IN out-of-place section	DEF	AT	4
19490 /19364	DEF	AT base of salt	DEF	AT	4
19520 /19392	POS	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
19550 /19420	DEF	AT local marker foram increase	DEF	AT	4
19700 /19558	POS	AT local marker planktic foram increase	DEF	IN	4
19790 /19641	POS	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	IN	4
20090 /19917	POS	AT local marker foram increase	DEF	IN	4
20240 /20055	DEF	AT	POS	IN	4
21020 /20771	DEF	AT local marker foram increase	DEF	IN	4
21530 /21239	DEF	AT transported shelf fauna	DEF	AT	4
21560 /21267	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	4
21620 /21323	POS	AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	5
21890 /21575	DEF	AT reworked material	DEF	AT	5
21919 /21602	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	5
21920 /21603	DEF	AT local marker benthic foram increase	DEF	AT	5
22219 /21882	DEF	AT local marker benthic foram increase	DEF	AT	5
22220 /21883	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
22279 /21938	DEF	AT Arenaceous fauna (local marker)	DEF	AT	5
22280 /21939	POS	AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 902 Date of Summary: 30-APR-2007 First Sample Examined: 19470 Lease Number: G18454 Source of Paleo: OPERATOR **Borehole MD:** 26061 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 25450 **API Well Number:** 608114049000 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 75 Paleo Report Num: 1 of 1 **Sample Range:** 19470 - 26062 Water Depth: 5233 Public Info Code: Y 23-AUG-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
22310 /21967	DEF AT local marker foram decrease	DEF AT 5
22670 /22302	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 5
22730 /22358	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23330 /22921	DEF AT local marker benthic foram increase	DEF AT 5
23420 /23005	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
23750 /23311	DEF AT local marker deep water fauna	DEF AT 5
24470 /23979	DEF AT local marker floral decrease	DEF AT 5
24710 /24201	DEF AT local marker foram decrease	DEF AT 5
25820 /25227	DEF AT local marker planktic foram increase	DEF AT 5
25970 /25366	POS AT local marker planktic foram increase	DEF AT 5
26062 /	DEF AT last sample examined	POS AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 942 Date of Summary: 01-SEP-2001 First Sample Examined: 9503 Lease Number: G16838 Source of Paleo: OPERATOR **Borehole MD:** 23000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 22998 **API Well Number:** 608114029300 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 9503 - 23000 Water Depth: 6608 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Samples taken at 90-foot intervals above 19355, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	<u> Ecozone</u>
9503 / 9503	DEF	AT first sample examined	DEF	AT	4
9590 / 9590	DEF	IN Holocene Globorotalia inflata	DEF	AT	4
9860 / 9860	DEF	AT faunal change (no faunal increase)	DEF	IN	4
10040 /10040	DEF	AT faunal change (no faunal increase)	POS	IN	4
10220 /10220	DEF	AT faunal change (no faunal increase)	POS	AT	4
10580 /10580	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11300 /11300	DEF	AT local marker benthic foram increase	DEF	IN	4
11480 /11480	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12470 /12470	DEF	IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	IN	4
12560 /12560	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN	4
12740 /12740	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12855 /12855	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
14720 /14719	DEF	AT local marker planktic foram increase	DEF	IN	4
14810 /14809	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15530 /15529	DEF	AT local marker foram decrease	POS	AT	4
18050 /18049	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18230 /18229	DEF	AT faunal change (no faunal increase)	POS	ΑT	4
19790 /19789	POS	AT local marker benthic foram increase	DEF	IN	4
19910 /19909	DEF	AT faunal change (no faunal increase)	POS	IN	4
20300 /20299	POS	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	IN	4
20390 /20389	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
20450 /20449	DEF	AT faunal change (no faunal increase)	DEF	IN	4

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 942 Date of Summary: 01-SEP-2001 First Sample Examined: 9503 Source of Paleo: OPERATOR Lease Number: G16838 **Borehole MD:** 23000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 22998 **API Well Number:** 608114029300 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 9503 - 23000 Water Depth: 6608

Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description			<u>Ecozone</u>
20689 /20688	DEF	AT foram flood	DEF	IN	5
20690 /20689	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
20810 /20809	DEF	AT faunal change (no faunal increase)	DEF	IN	4
20900 /20899	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
21140 /21139	DEF	AT faunal change (no faunal increase)	DEF	IN	4
21260 /21259	DEF	AT local marker planktic foram increase	DEF	IN	4
21385 /21384	DEF	AT faunal change (no faunal increase)	POS	IN	4
21650 /21649	DEF	AT foram flood	DEF	IN	4
22160 /22159	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
22219 /22218	DEF	AT foram flood	DEF	ΑT	5
22220 /22219	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	ΑT	5
22280 /22279	DEF	AT faunal change (no faunal increase)	DEF	IN	4
22790 /22788	DEF	AT faunal change (no faunal increase)	DEF	AT	4
23000 /22998	DEF	AT last sample examined	DEF	AT	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 942 Date of Summary: 01-SEP-2001 First Sample Examined: 9503 Source of Paleo: OPERATOR Lease Number: G16838 **Borehole MD:** 23000 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 22998 **API Well Number:** 608114029300 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 9503 - 23000 Water Depth: 6608 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, samples were taken at 90-foot intervals above 19355, nannospecies abundance and diversity chart available, see

report for details

MD/TVD		Paleo Top Description		Ecozone
9503 / 9503	DEF	AT first sample examined	DEF	AT
9680 / 9680	DEF	AT reworked material	DEF	AT
9860 / 9860	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
10040 /10040	DEF	AT reworked material	DEF	AT
10310 /10310	DEF	IN Upper Pleistocene (Ionian) Pseudoemiliania lacunosa	DEF	AT
10670 /10670	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
12560 /12560	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
14090 /14090	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
14449 /14448	POS	AT unconformity	DEF	AT
14450 /14449	DEF	AT local marker floral increase	DEF	AT
14720 /14719	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
17330 /17329	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
18050 /18049	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
19790 /19789	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
20390 /20389	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
20690 /20689	DEF	AT reworked material	DEF	AT
21020 /21019	DEF	AT reworked material	DEF	AT
21170 /21169	DEF	AT reworked material	DEF	AT
21650 /21649	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
22190 /22189	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
22730 /22728	DEF	AT reworked material	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: GC 942 Date of Summary: 01-SEP-2001 First Sample Examined:

Lease Number: G16838Source of Paleo: OPERATORBorehole MD:23000Well Name: 001Paleo Done By: APPLIED BIOSTRATIGRAPHIXBorehole TVD:22998

API Well Number: 608114029300 Drilling Operator: CONOCO INC

Paleo Report Num: 2 of 2 Sample Range: 9503 - 23000 Water Depth: 6608

Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS:

MD/TVD Paleo Top Description Ecozone

22940 /22938 DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae DEF AT 22970 /22968 DEF AT last sample examined DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GC 943 Date of Summary: 10-MAR-2004 First Sample Examined: 22060 Lease Number: G18461 Source of Paleo: OPERATOR **Borehole MD:** 30435 Well Name: 001 Paleo Done By: BUGWARE, INC. **Borehole TVD:** 29500 **API Well Number:** 608114039701 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 22060 - 30435 Water Depth: 5314 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
22060 /21936	DEF	AT first sample examined	DEF	AT
22061 /21937	DEF	IN Eocene	DEF	AT
22090 /21963	POS	IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
22105 /21976	DEF	AT base of salt	DEF	AT
22210 /22070	POS	IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
22239 /22096	DEF	AT reworked material	DEF	AT
22240 /22097	POS	AT Eocene	DEF	AT
22300 /22150	POS	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
22390 /22231	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
22510 /22338	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
22720 /22526	DEF	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
23320 /23059	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
23680 /23380	DEF	AT local marker floral decrease	DEF	AT
24519 /24126	DEF	AT local marker floral increase	DEF	AT
24520 /24127	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
25900 /25349	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
25930 /25375	DEF	AT reworked material	DEF	AT
26560 /25940	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
26650 /26021	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
26710 /26075	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
27370 /26669	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
27910 /27148	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GC 943 Date of Summary: 10-MAR-2004 22060 Source of Paleo: OPERATOR Lease Number: G18461 **Borehole MD:** 30435 Well Name: 001 Paleo Done By: BUGWARE, INC. **Borehole TVD:** 29500 **API Well Number:** 608114039701 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 22060 - 30435 Water Depth: 5314 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

N	MD/TVD_		Paleo Top Description		Ecozone
2854	10 /27707	POS	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
2890	00 /28037	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
2902	20 /28148	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
2962	20 /28715	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
3040	0 /29466	POS	AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF	AT
3043	35 /29500	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 37 Date of Summary: 20-AUG-1995 First Sample Examined: 11590 Source of Paleo: OPERATOR Lease Number: 00392 **Borehole MD:** 14900 Paleo Done By: OPERATOR Well Name: Y028 **Borehole TVD:** 13636 **API Well Number:** 177174028501 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 120 Paleo Report Num: 1 of 1 **Sample Range:** 11590 - 14900 Water Depth: 52 Public Info Code: Y 21-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report, 14780=Gyroidina scalata

MD/TVD	<u>Pale</u>	Top Description		Ecozone
11590 /11180	DEF AT first	ample examined DEF	- AT	1
12290 /11780	DEF AT Uppe	r Miocene (Tortonian) Discoaster bollii DEF	- AT	Г 3
12440 /11887	DEF AT Uppe	r Miocene (Tortonian) Discorbis 12 DEF	- AT	Г 3
13310 /12503	DEF AT local	marker foram decrease POS	AT	Γ 2
13490 /12630	DEF AT	- DEF	- AT	. 1
13640 /12699	DEF AT local	marker foram decrease POS	AT	. 1
14240 /13132	DEF AT	- DEF	- AT	Γ 2
14300 /13176	DEF AT Uppe	r Miocene (Tortonian) Catinaster coalitus DEF	- AT	Γ 2
14360 /13222	DEF AT	- DEF	- AT	. 1
14780 /13543	DEF IN Uppe	r Miocene (Tortonian) Textularia "L"	- AT	Г 3
14900 /13636	DEF AT lasts	ample examined DEF	- AT	Г 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: Gl 45	Date of Summary: 28-SEP-1997	First Sample Examined:	0
Lease Number: G16461	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14504
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	14042
API Well Number: 177174039400	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation:	91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	110
Public Info Code: Y 29-JUN-2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3990 / 3990	POS AT Pliocene	DEF AT
11008 /11006	POS AT Upper (Late) Miocene	DEF AT
11844 /11823	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12929 /12761	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 90 Date of Summary: 30-SEP-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G04003 **Borehole MD:** 12766 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 11427 **API Well Number:** 177184005401 **Drilling Operator: MOBIL EXPLORATION AND PRODUCIN Rkb Elevation:** 114 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 218 Public Info Code: Y 09-SEP-2007 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10710 /10102	POS AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
12120 /11018	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
12390 /11187	DEF AT local marker benthic foram increase	DEF AT
12418 /11204	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: Gl 95	Date of Summary: 28-OCT-1997	First Sample Examined:	6000
Lease Number: G02163	Source of Paleo: OPERATOR	Borehole MD:	10075
Well Name: A006	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD:	8610
API Well Number: 177184001301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	91
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10075	Water Depth:	200
Public Info Code: Y 17-OCT-2007	Ecozone Eg MMS:	Paleo ID:	002

Remark:

MD/	TVD		Paleo Top Description		Ecozone
6000 /	5622	DEF	AT first sample examined	DEF	AT
6120 /	5724	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
7530 /	6797	DEF	AT local marker planktic foram increase	DEF	AT
9899 /	8483	POS	AT reworked material	DEF	AT
9900 /	8483	POS	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
10075 /	8610	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: Gl 95	Date of Summary: 11-JAN-1996	First Sample Examined:	0
Lease Number: G02164	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	7681
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD:	7101
API Well Number: 177184001402	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	200
Public Info Code: Y 05-ILIN-2005	Facozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
5080 / 4758	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5440 / 5110	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6880 / 6395	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 95 Date of Summary: 17-DEC-1997 First Sample Examined: 7191 Source of Paleo: OPERATOR Lease Number: G02164 **Borehole MD:** 9828 Well Name: A011 Paleo Done By: GEORGE J. CONSTANCE, JR. **Borehole TVD:** 7088 **API Well Number:** 177184007800 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC **Rkb Elevation:** 110 **Sample Range:** 7191 - 9350 Water Depth: Paleo Report Num: 1 of 1 200 Public Info Code: Y 27-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

N	/ID/TVD		Paleo Top Description		E	<u> Cozone</u>
719	91 / 5658	DEF	AT first sample examined	POS	AT	4
773	30 / 5948	DEF	AT	DEF	AT	4
821	10 / 6205	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
839	90 / 6303	POS	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
899	90 / 6637	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
935	50 / 6840	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: Gl 95	Date of Summary: 09-NOV-1995	First Sample Examined:	0
Lease Number: G02164	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8620
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD:	7098
API Well Number: 177184008000	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	200
Public Info Code: Y 16-JUL-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

_	MD/TVD_		Paleo Top Description		Ecozone
	2150 / 2149	DEF	AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT
	4280 / 4269	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT
	5800 / 5582	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
	6860 / 6186	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 111 Date of Summary: 10-OCT-2000 First Sample Examined: 4000 Source of Paleo: OPERATOR Lease Number: G18069 **Borehole MD:** 21057 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21050 **API Well Number:** 177184009800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 4000 - 21057 Water Depth: 320 Public Info Code: Y 27-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
4000 / 3999	DEF	AT first sample examined	DEF	AT	5
4001 / 4000	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
6550 / 6548	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
6970 / 6968	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	5
7090 / 7088	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
7180 / 7178	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	5
7510 / 7508	DEF	AT	DEF	AT	5
8020 / 8017	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
8050 / 8047	DEF	AT	DEF	IN	5
8829 / 8826	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
8830 / 8827	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	5
8890 / 8887	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
9190 / 9187	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	5
9430 / 9427	DEF	AT	DEF	AT	5
10210 /10207	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
11140 /11137	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
11200 /11197	DEF	AT	DEF	AT	6
11530 /11527	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	6
11830 /11827	DEF	AT sample gap top	POS	AT	6
14980 /14975	DEF	AT sample gap bottom	DEF	AT	6
15100 /15095	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	6
15320 /15315	DEF	AT	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: GI 111 Date of Summary: 10-OCT-2000 4000 Source of Paleo: OPERATOR Lease Number: G18069 **Borehole MD:** 21057 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21050 **API Well Number:** 177184009800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 4000 - 21057 Water Depth: 320 Public Info Code: Y 27-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17240 /17234	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
18710 /18704	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 5
18800 /18794	DEF AT	DEF AT 4
19580 /19574	DEF AT	DEF AT 5
20600 /20593	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21057 /21050	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 111 Date of Summary: 10-OCT-2000 First Sample Examined: 4000 Lease Number: G18069 Source of Paleo: OPERATOR **Borehole MD:** 21057 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21050 **API Well Number:** 177184009800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 4000 - 21057 Water Depth: 320 Public Info Code: Y 27-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
4000 / 3999	DEF	AT first sample examined	DEF AT	-
6370 / 6368	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF AT	-
6520 / 6518	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT	-
7090 / 7088	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF AT	-
7120 / 7118	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT	-
8020 / 8017	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT	-
8050 / 8047	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT	-
8620 / 8617	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT	-
8800 / 8797	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT	-
8830 / 8827	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT	-
8890 / 8887	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT	-
9490 / 9487	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT	-
10180 /10177	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT	-
10660 /10657	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT	-
11200 /11197	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT	-
11740 /11737	DEF	AT salt	DEF AT	-
11830 /11827	DEF	AT sample gap top	DEF AT	-
15009 /15004	DEF	AT sample gap bottom	DEF AT	-
15010 /15005	POS	AT Upper (Late) Miocene	DEF AT	-
16310 /16304	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT	-
16311 /16305	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT	-
17270 /17264	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT	-

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: GI 111 Date of Summary: 10-OCT-2000 First Sample Examined: 4000 Source of Paleo: OPERATOR Lease Number: G18069 **Borehole MD:** 21057 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21050 **API Well Number:** 177184009800 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 4000 - 21057 Water Depth: 320 Public Info Code: Y 27-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD	Paleo Top Description		Ecozone
18740 /18734	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
19580 /19574	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
20480 /20473	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
21057 /21050	DEF AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 37	Date of Summary: 30-SEP-1996	First Sample Examined:	0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12984
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	12531
API Well Number: 427084043300	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation:	93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	38
Public Info Code: Y 23-SEP-2006	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		<u>Ecozone</u>
7215 / 6929	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
9562 / 9135	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT
10350 / 9920	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT
10970 /10539	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI Date of Summary: 24-NOV-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14878 **Borehole MD:** 13655 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 11671 **API Well Number:** 427104012700 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 92 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 37 Public Info Code: Y 16-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7350 / 7349	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8645 / 8621	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
9550 / 9391	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10780 /10202	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 52	Date of Summary: 08-MAY-1997	First Sample Examined:	0
Lease Number: 00512	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11959
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD:	11883
API Well Number: 427084045200	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation:	81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	44
Public Info Code: Y 10-APR-2007	Ecozone Eg MMS:	Paleo ID:	001

MD/TVD_		Paleo Top Description		Ecozone
6104 / 6103 D	EF IN	Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
7740 / 7738 D	EF IN	Lower Miocene (Burdigalian) Robulus 54B	DEF	AT
8370 / 8343 D	EF IN	Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT
8940 / 8886 D	EF IN	Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT
10981 /10906 D	EF IN	deepwater facies Planulina	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 72 Date of Summary: 20-MAR-2001 0 Lease Number: G22231 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7500 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 7500 **API Well Number:** 427084053700 **Drilling Operator:** HALL-HOUSTON OIL COMPANY **Rkb Elevation:** 74 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 31 Public Info Code: Y 04-JAN-2007 **Ecozone Eq MMS:** Paleo ID:

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7130 / 7129	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7173 / 7172	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 115	Date of Summary: 06-DEC-2000	First Sample Examined:	0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12500
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD:	11463
API Well Number: 427084052301	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	45
Public Info Code: Y 20-DFC-2006	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ecozone
6000 / 5997	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT
6340 / 6337	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT
6772 / 6765	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT
8140 / 8030	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
8660 / 8448	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
9605 / 9202	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT
11000 /10330	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 116 Date of Summary: 01-FEB-2000

Date of Summary: 01-FEB-2000 First Sample Examined:
Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD:

Lease Number: G06156 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: B001 Paleo Done By: OPERATOR Borehole TVD: 10999
Well Number: 427084042400 Prilling Operator: EOREST OIL CORPORATION Pkb Floration: 99

API Well Number: 427084042400 Drilling Operator: FOREST OIL CORPORATION Rkb Elevation: 99

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:45Public Info Code:Y 12-APR-2006Ecozone Eq MMS:Paleo ID:001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

9760 / 9759 DEF IN Middle Miocene (Langhian) Robulus "L" / 43 DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 133 Date of Summary: 29-OCT-2001 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G18938 **Borehole MD:** 14834 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 13148 89

API Well Number: 427084048400 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:**

0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 52 Public Info Code: Y 20-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10025 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12998 /12044	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 133 Date of Summary: 29-NOV-2001 First Sample Examined:

Lease Number:G18938Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:14540Well Name:A002Paleo Done By:OPERATORBorehole TVD:13036

API Well Number: 427084048900 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA Rkb Elevation: 89

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 52

Public Info Code: Y 20-DEC-2006 Ecozone Eq MMS: Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10040 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12760 /11904	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 134 Date of Summary: 05-APR-2000 Lease Number: G06158 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:**

Paleo Done By: OPERATOR Well Name: A004

Borehole TVD: 10671 **API Well Number:** 427084042800 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 115

0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 49

Public Info Code: Y 23-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9678 / 8946	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9950 / 9190	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 134 Date of Summary: 29-SEP-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06158 **Borehole MD:** 11711 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 10423 **API Well Number:** 427084049600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 95 0 - 0 Paleo Report Num: 1 of 2 Sample Range: Water Depth: 47 Public Info Code: Y 23-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5984 / 5984	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8251 / 8227	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8775 / 8697	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10094 / 9534	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11528 /10312	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 134 Date of Summary: 19-NOV-1999 11190 Source of Paleo: OPERATOR Lease Number: G06158 **Borehole MD:** 11711 Well Name: B001 Paleo Done By: OPERATOR **Borehole TVD:** 10423 **API Well Number:** 427084049600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 95 Paleo Report Num: 2 of 2 **Sample Range:** 11190 - 11700 Water Depth: 47 Public Info Code: Y 23-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
11190 /10115	DEF AT first sample examined	DEF AT
11191 /10115	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11220 /10131	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
11280 /10165	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
11340 /10200	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 /10416	DEF AT last sample examined	DEF AT

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Borehole MD:

Borehole TVD:

Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 154 Date of Summary: 05-OCT-2001 First Sample Examined: 0

Lease Number: G15778 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: B002 Paleo Done By: OPERATOR

API Well Number: 427084050402 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA Rkb Elevation:

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 09-AUG-2006 Ecozone Eq MMS: Paleo ID:

Remark:

MD/TVD Paleo Top Description Ecozone

18130 /10889 DEF AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 160	Date of Summary: 30-NOV-1995	First Sample Examined:	0
Lease Number: 00742	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	9596
Well Name: JA005	Paleo Done By: OPERATOR	Borehole TVD:	8936
API Well Number: 427084041701	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	50
Public Info Code: Y 11-DEC-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8140 / 7481	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
8600 / 7941	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
9115 / 8456	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 169	Date of Summary: 24-JAN-2000	First Sample Examined:	0
Lease Number: G14161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	14510
API Well Number: 427084047200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	54
Public Info Code: Y 07-DEC-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11010 /11009	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12600 /12599	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14130 /14114	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 176	Date of Summary: 03-DEC-1996	First Sample Examined:	0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12434
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD:	9750
API Well Number: 427084044100	Drilling Operator: APACHE CORPORATION	Rkb Elevation:	85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	51
Public Info Code: Y 30-OCT-2006	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10195 / 8154	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10834 / 8605	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11990 / 9427	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 176	Date of Summary: 21-MAR-1997	First Sample Examined:	0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12954
Well Name: C003	Paleo Done By: OPERATOR	Borehole TVD:	9588
API Well Number: 427084044900	Drilling Operator: APACHE CORPORATION	Rkb Elevation:	85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	51
Public Info Code: Y 11-MAR-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
11280 / 8516	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12507 / 9298	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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First Sample Examined:

Borehole MD:

Borehole TVD:

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 176 Lease Number: G06167

Date of Summary: 23-MAY-1997 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR

API Well Number: 427084045400 **Drilling Operator: APACHE CORPORATION**

Rkb Elevation: 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: Public Info Code: Y 05-MAY-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

Well Name: C004

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13079 / 8540	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
14550 / 9320	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 176 Date of Summary: 04-DEC-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06167 **Borehole MD:** 15591 Paleo Done By: OPERATOR Well Name: C005 **Borehole TVD:** 9486 **API Well Number:** 427084046700 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 52

Public Info Code: Y 22-NOV-2007

Remark:

MD/TVD	Paleo Top Description	Ecozone
13539 / 8411	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15038 / 9188	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 177 Date of Summary: 10-JUN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06165 **Borehole MD:** 13030 Paleo Done By: OPERATOR Well Name: A005 **Borehole TVD:** 11701 **API Well Number:** 427084041900 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 115 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 55 Public Info Code: Y 22-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
8695 / 7919	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9548 / 8650	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
10550 / 9523	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11400 /10251	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12189 /10937	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 200 Date of Summary: 01-AUG-2005 First Sample Examined: 6990 Source of Paleo: OPERATOR Lease Number: G09086 **Borehole MD:** 11092 Well Name: 006 Paleo Done By: OPERATOR **Borehole TVD:** 10674 **API Well Number:** 427084060800 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 92 Paleo Report Num: 1 of 1 **Sample Range:** 6990 - 11093 Water Depth: 50 Public Info Code: Y 28-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
6990 / 6989	DEF	AT first sample examined	DEF	AT	2
6991 / 6990	DEF	IN Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	2
7140 / 7138	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	2
7230 / 7227	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	2
7290 / 7286	POS	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	IN	2
7680 / 7659	DEF	AT	DEF	AT	2
8070 / 8011	POS	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	2
8520 / 8403	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
8580 / 8454	DEF	AT foram flood	DEF	AT	3
8760 / 8607	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	3
9180 / 8972	DEF	AT foram flood	DEF	AT	3
9210 / 8999	DEF	AT	DEF	IN	2
9240 / 9025	DEF	AT	DEF	AT	3
9480 / 9236	DEF	AT foram flood	DEF	IN	3
9570 / 9315	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
9660 / 9395	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	IN	3
9870 / 9578	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	IN	3
9930 / 9631	DEF	IN Middle Miocene (Langhian) Cibicides 38	DEF	IN	3
10110 / 9788	DEF	AT	DEF	IN	3
10590 /10216	DEF	AT cement	DEF	AT	2
10800 /10406	DEF	AT	DEF	IN	2
10860 /10461	DEF	AT	DEF	AT	2

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 200 Date of Summary: 01-AUG-2005 First Sample Examined: 6990

Lease Number:G09086Source of Paleo:OPERATORBorehole MD:11092Well Name:006Paleo Done By:OPERATORBorehole TVD:10674API Well Number:427084060800Drilling Operator:MARINER GULF OF MEXICO LLCRkb Elevation:92

API Well Number: 427084060800 Drilling Operator: MARINER GULF OF MEXICO LLC Rkb Elevation: 92
Paleo Report Num: 1 of 1 Sample Range: 6990 - 11093 Water Depth: 50

Public Info Code: Y 28-FEB-2006 Ecozone Eq MMS: Y

MD/TVD Paleo Top Description

11070 /10654 DEF AT last sample examined DEF IN 2

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 202 Date of Summary: 28-JUL-2000 First Sample Examined: 0 Lease Number: G21346 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 8230 Paleo Done By: OPERATOR Well Name: B002 **Borehole TVD:** 6498 **API Well Number:** 427084051600 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 94 Sample Range: 0 - 0 Water Depth: 65

Paleo Report Num:1of1Sample Range:0 -Public Info Code:Y09-FEB-2005Ecozone Eq MMS:

Remark:

MD/TVD Paleo Top Description Ecozone
7667 / 6100 DEF AT Upper Miocene (Tortonian) Discorbis 12 DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 202 Date of Summary: 27-SEP-2000 First Sample Examined: 0 Lease Number: G21347 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9940 Paleo Done By: OPERATOR Well Name: B003 **Borehole TVD:** 6652 **API Well Number:** 427084051801 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 94 Sample Range: 0 - 0 Water Depth: 65

Paleo Report Num: 1 of 1 Sample Range: 0 - 0
Public Info Code: Y 03-SEP-2005 Ecozone Eq MMS:

Remark:

MD / TVD Paleo Top Description Ecozone

8800 / 5997 DEF AT Upper Miocene (Tortonian) Discorbis 12 DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 207 Date of Summary: 22-MAY-1997 First Sample Examined: 0 Lease Number: G08151 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 13896 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 9101 **API Well Number:** 427084044000 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 128 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 55

Remark: In=sand

Public Info Code: Y 29-APR-2005

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12055 / 7923	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13034 / 8538	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI 207 Date of Summary: 17-SEP-1998 0 Lease Number: G08151 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11558 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 10500 **API Well Number:** 427084042300 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 96 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 50 Public Info Code: Y 29-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

	MD/TVD_		Paleo Top Description		Ecozone
6	5212 / 5689	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT
6	8855 / 6250	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT
7	'270 / 6618	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT
8	3955 / 8157	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
10	0690 / 9712	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI 208 Date of Summary: 03-JUN-1997 First Sample Examined: 0 Lease Number: G07286 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 12336 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 10400 **API Well Number:** 427084045600 Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 90 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 58 Public Info Code: Y 30-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
9325 / 7439	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11160 / 9225	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11906 / 9971	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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First Sample Examined:

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

PAGE: 517

0

9901

9200

107

50

001

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI 233 Date of Summary: 11-JUL-2001

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: 001 Paleo Done By: OPERATOR

API Well Number: 427084054300 Drilling Operator: TDC ENERGY CORPORATION

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 30-NOV-2005 Ecozone Eq MMS:

Remark: In=sand

Lease Number: G22241

MD/TVD Paleo Top Description Ecozone

7688 / 7376 DEF IN Upper Miocene (Tortonian) Cibicides carstensi DEF AT

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PAGE:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 5 Date of Summary: 01-AUG-2000 First Sample Examined: 11980 Lease Number: G17156 Source of Paleo: OPERATOR **Borehole MD:** 16720 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16715 **API Well Number:** 427084049700 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 93 Paleo Report Num: 1 of 1 **Sample Range:** 11980 - 16720 Water Depth: 57 Public Info Code: Y 11-SEP-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
11980 /11980	DEF	AT first sample examined	DEF	AT	2
11981 /11981	DEF	IN Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	2
12040 /12040	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
12070 /12070	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	3
12160 /12159	DEF	AT local marker foram increase	DEF	AT	3
12190 /12189	POS	AT local marker foram decrease	DEF	AT	3
12310 /12309	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
12400 /12399	POS	AT local marker foram decrease	DEF	AT	3
12490 /12489	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
12580 /12579	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	4
12729 /12728	DEF	AT cement	POS	AT	4
12730 /12729	DEF	AT local marker foram decrease	POS	AT	4
12910 /12909	POS	AT Arenaceous fauna (local marker)	POS	AT	4
12940 /12939	DEF	AT sample gap top	POS	AT	4
13179 /13178	DEF	AT sample gap bottom	POS	AT	3
13180 /13179	DEF	AT cement	POS	AT	3
13210 /13209	DEF	AT sample gap top	POS	AT	3
13689 /13688	DEF	AT sample gap bottom	POS	AT	3
13690 /13689	DEF	AT cement	POS	AT	3
13720 /13719	DEF	AT sample gap top	POS	AT	3
15099 /15097	DEF	AT sample gap bottom	POS	AT	3
15100 /15098	DEF	AT Middle Miocene (Langhian) Cristellaria / Robulus 53	POS	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 5 Date of Summary: 01-AUG-2000 First Sample Examined: 11980 Lease Number: G17156 Source of Paleo: OPERATOR 16720 **Borehole MD:** Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 16715 **API Well Number:** 427084049700 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 93 Paleo Report Num: 1 of 1 **Sample Range:** 11980 - 16720 Water Depth: 57 Public Info Code: Y 11-SEP-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ecozone
15160 /15158	DEF	IN Lower Miocene (Burdigalian) Robulus 54B	POS A	Г 3
15190 /15188	DEF	AT sample gap top	POS A	Г 3
15700 /15697	DEF	AT sample gap bottom	POS A	Г 3
15760 /15757	DEF	AT local marker foram increase	DEF IN	l 3
15789 /15786	DEF	AT cement	POS A	Г 3
15790 /15787	DEF	AT local marker foram decrease	POS A	Г 3
15940 /15937	DEF	AT	DEF IN	l 3
16720 /16715	DEF	AT last sample examined	DEF IN	l 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 5 Date of Summary: 01-AUG-2000 First Sample Examined: 12990 Source of Paleo: OPERATOR 16572 Lease Number: G17156 **Borehole MD:** Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 16564 **API Well Number:** 427084051101 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 12990 - 16550 Water Depth: 57 Public Info Code: Y 11-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecoz	one
12990 /12984	DEF	AT first sample examined	POS	AT	3
12991 /12985	DEF	IN cement	DEF	AT	3
13020 /13014	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	4
13050 /13044	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
13260 /13254 F	POS	AT local marker foram decrease	DEF	IN	3
13500 /13494	DEF	AT local marker foram increase	DEF	IN	3
13680 /13674	DEF	IN Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF	IN	3
13709 /13703	DEF	AT limestone	DEF	AT	3
13710 /13704	DEF	AT local marker foram decrease	DEF	AT	3
13860 /13854 F	POS	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
13890 /13884 E	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	3
14160 /14154 F	POS	AT local marker foram increase	DEF	AT	3
14190 /14184	DEF	AT local marker planktic foram increase	DEF	AT	3
14460 /14454 F	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
14790 /14784	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
14820 /14814	DEF	AT local marker foram decrease	DEF	AT	3
15030 /15024 F	POS	AT local marker foram increase	DEF	AT	3
15480 /15474	DEF	AT local marker foram decrease	DEF	AT	3
16550 /16542 E	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Date of Summary: 30-SEP-1999

First Sample Examined:

Lease Number: G18946

Area Block: HI A 153

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Borehole MD: 10200

Well Name: 001

Paleo Done By: OPERATOR

Borehole TVD: 5924

API Well Number: 427084049401

Drilling Operator: TANA OIL AND GAS CORPORATION

Rkb Elevation: 106

Paleo Report Num: 1 of 1

Water Depth: 127

Sample Range: 0 - 0

Public Info Code: Y 03-NOV-2005

Ecozone Eq MMS:

Paleo ID: 001

Remark: In=sand

MD/TVD

Paleo Top Description

Ecozone

9580 / 5668

DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 263	Date of Summary: 07-JAN-1999	First Sample Examined:	0
Lease Number: G13342	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	5236
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD:	4998
API Well Number: 427114077600	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1	Rkb Elevation:	107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	156
Public Info Code: Y 21-APR-2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
1420 / 1420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2984 / 2982	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4242 / 4154	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 264 Date of Summary: 14-OCT-1996 First Sample Examined: 4400 Source of Paleo: OPERATOR Lease Number: G15805 **Borehole MD:** 10847 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10157 **API Well Number:** 427114076400 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 **Sample Range:** 4400 - 10850 Water Depth: 146 Public Info Code: Y 08-NOV-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozor	ne
4400 / 4400	DEF AT first sample examined	DEF AT 2	2
4640 / 4639	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2	2
4700 / 4698	DEF AT	DEF AT 3	3
5780 / 5690	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3	3
8720 / 8294	DEF AT	DEF AT 5	5
9440 / 8926	DEF AT	DEF AT 6	ĵ.
9470 / 8952	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6	ĵ.
10190 / 9578	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6	ĵ.
10250 / 9630	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6	ĵ.
10850 /	DEF AT last sample examined	DEF AT 6	3

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8814

6908

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210

001

First Sample Examined:

Borehole MD:

Borehole TVD:

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 312

Lease Number: G14913

Well Name: A001

API Well Number: 427114073500

Date of Summary: 09-MAR-2001

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR

Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC

API Well Number: 427114073500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC

Rkb Elevation:

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth:

Public Info Code: Y 12-OCT-2005 Ecozone Eq MMS:

Remark:

MD/TVD Paleo Top Description Ecozone

6902 / 5718 DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT

This report contains public paleo reports only for the time period stated $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac$

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A312 Date of Summary: 13-OCT-1996

First Sample Examined: 0

Lease Number: G14913

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Borehole MD: 10460

Well Name: A002

Paleo Done By: OPERATOR

Borehole TVD: 8380

API Well Number: 427114074300

Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC

Rkb Elevation: 99 215

Paleo Report Num: 1 of 1

Sample Range: 0 - 0 Water Depth:

Public Info Code: Y 12-OCT-2005

Ecozone Eq MMS:

Paleo ID: 001

Remark:

MD/TVD

Paleo Top Description

Ecozone

7300 / 6719

DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 312 Date of Summary: 15-APR-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14913 **Borehole MD:** 6416 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 6292 **API Well Number:** 427114077300 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 101 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 210 Public Info Code: Y 12-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4668 / 4551	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6250 / 6126	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A312 Date of Summary: 22-APR-1997 First Sample Examined: 0

> Lease Number: G14913 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 5888 Well Name: A004 Paleo Done By: OPERATOR **Borehole TVD:** 4618

API Well Number: 427114077500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 101

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 210

Public Info Code: Y 12-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT 5626 / 4412

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 376	Date of Summary: 30-OCT-1997	First Sample Examined:	3000
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD:	9913
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	9272
API Well Number: 427114078700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation:	112
Paleo Report Num: 1 of 2	Sample Range: 3000 - 9913	Water Depth:	341
Public Info Code: Y 02-NOV-2007	Ecozone Ea MMS: Y	Paleo ID:	002

Remark:

MD/TVD		Paleo Top Description		Ecozone
3000 /	DEF	AT first sample examined	DEF A	AT 3
3001 /	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF A	AT 3
6090 /	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF A	AT 4
6330 /	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF A	AT 4
6480 /	DEF	AT	DEF A	AT 5
7440 /	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF A	AT 5
8490 /	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF A	AT 5
9030 /	POS	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF A	AT 5
9180 /	POS	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF A	AT 5
9913 /	DEF	AT last sample examined	DEF A	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 376 Date of Summary: 03-NOV-1997 First Sample Examined: 6720 Source of Paleo: OPERATOR Lease Number: G02754 **Borehole MD:** 9913 Well Name: B003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9272 **API Well Number:** 427114078700 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 112 Paleo Report Num: 2 of 2 **Sample Range:** 3000 - 9913 Water Depth: 341 Public Info Code: Y 02-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
6720 /	DEF	AT first sample examined	DEF	AT
7440 /	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
8430 /	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
9030 /	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
9300 /	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
9913 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 376 Date of Summary: 30-OCT-1997 First Sample Examined: 9914 Source of Paleo: OPERATOR Lease Number: G02754 **Borehole MD:** 11873 Well Name: B003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11000 **API Well Number:** 427114078701 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 112 Paleo Report Num: 1 of 2 **Sample Range:** 9914 - 11873 Water Depth: 341 Public Info Code: Y 18-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
9914 / 9275	DEF	AT first sample examined	DEF	AT	5
9915 / 9276	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
11600 /10756	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
11715 /10858	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5
11873 /10997	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 376 Date of Summary: 03-NOV-1997 First Sample Examined: 9914 Source of Paleo: OPERATOR Lease Number: G02754 **Borehole MD:** 11873 Well Name: B003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11000 **API Well Number:** 427114078701 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 112 Paleo Report Num: 2 of 2 **Sample Range:** 9914 - 11873 Water Depth: 341 Public Info Code: Y 18-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
9914 / 9275	DEF	AT first sample examined	DEF	AT
9915 / 9276	DEF	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
11577 /10736	DEF	AT condensed section	DEF	AT
11578 /10737	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
11579 /10737	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11580 /10738	DEF	AT Upper Miocene (Tortonian) Discoaster calcaris	DEF	AT
11690 /10836	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
11740 /10880	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
11820 /10950	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
11873 /10997	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 382 Date of Summary: 12-DEC-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02393 **Borehole MD:** 8254 Paleo Done By: OPERATOR Well Name: F018 **Borehole TVD:** 6484 **API Well Number:** 427114067301 **Drilling Operator:** MOBIL PRODUCING TEXAS & NEW ME **Rkb Elevation:** 113 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 342 Public Info Code: Y 08-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
2270 / 2019	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
2370 / 2097	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
5190 / 4184	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5760 / 4597	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 382 Date of Summary: 03-APR-1998 First Sample Examined: 9828 Source of Paleo: OPERATOR Lease Number: G02757 **Borehole MD:** 10817 Paleo Done By: GEORGE J. CONSTANCE, JR. Well Name: F010 **Borehole TVD:** 9829 **API Well Number:** 427114062604 **Drilling Operator:** MOBIL PRODUCING TEXAS & NEW ME **Rkb Elevation:** 110 Paleo Report Num: 1 of 1 **Sample Range:** 9828 - 10817 Water Depth: 347 Public Info Code: Y 29-DEC-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
9828 / 9049 DEF	AT first sample examined	DEF	AT
9829 / 9050 DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
9870 / 9087 DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT
9900 / 9114 DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
10817 / 9829 DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 385 Date of Summary: 12-OCT-1995 First Sample Examined: 0

Lease Number:G10311Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:Well Name:D001Paleo Done By:OPERATORBorehole TVD:

Well Name:D001Paleo Done By: OPERATORBorehole TVD:6708API Well Number:427114073800Drilling Operator: ORYX ENERGY COMPANYRkb Elevation:82

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 363

Public Info Code: Y 23-OCT-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

5135 / 4689 DEF IN Middle Pleistocene (Ionian) Trimosina "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 397 Date of Summary: 20-NOV-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13809 **Borehole MD:** 11500 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11201 **API Well Number:** 427114078800 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 88 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 392 Public Info Code: Y 24-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

	MD/TVD_		Paleo Top Description		Ecozone
5	5050 / 5050	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT
5	5950 / 5950	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
6	3760 / 6755	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
7	7250 / 7245	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 415 Date of Summary: 02-APR-1997 First Sample Examined: 0 Lease Number: G15793 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7854 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 7853 **API Well Number:** 427094103100 **Drilling Operator:** TANA OIL AND GAS CORPORATION **Rkb Elevation:** 99 Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 143

Ecozone Eq MMS: Public Info Code: Y 03-JUL-2007

Remark:

MD/TVD **Paleo Top Description Ecozone** DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT 7020 / 7019

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 416	Date of Summary: 13-JUN-1997	First Sample Examined:	0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8556
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD:	7235
API Well Number: 427094102500	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	139
Public Info Code: Y 07-MAY-2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5320 / 5154	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7450 / 6534	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 467 Date of Summary: 29-JUL-1999 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G17181 **Borehole MD:** 11842 Paleo Done By: OPERATOR Well Name: D001 **Borehole TVD:** 8800 **API Well Number:** 427094102900 **Drilling Operator: FORCENERGY INC Rkb Elevation:** 105 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 198 Public Info Code: Y 04-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4460 / 3818	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6090 / 4896	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7211 / 5675	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 467 Date of Summary: 05-MAR-2001 0 Lease Number: G20670 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 8512 Paleo Done By: OPERATOR Well Name: D003 **Borehole TVD:** 4202 **API Well Number:** 427094110500 **Drilling Operator: FORCENERGY INC Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 195 Public Info Code: Y 23-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
3788 / 2883	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7330 / 3762	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Borehole MD:

Borehole TVD:

Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 469 Date of Summary: 30-NOV-2000 First Sample Examined: Lease Number: G02689 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A004 Paleo Done By: OPERATOR

7549 **API Well Number:** 427094049201 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 113

Sample Range: 0 - 0 Paleo Report Num: 1 of 1

Public Info Code: Y 26-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT 9200 / 5031

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 469 Date of Summary: 16-NOV-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02689 **Borehole MD:** 13429 Paleo Done By: OPERATOR Well Name: A005 **Borehole TVD:** 9037 **API Well Number:** 427094050101 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 113 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 200 Public Info Code: Y 26-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7400 / 5293	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11909 / 8069	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A537	Date of Summary: 09-JAN-1995	First Sample Examined:	0
Lease Number: G02698	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8060
Well Name: B016	Paleo Done By: OPERATOR	Borehole TVD:	6900
API Well Number: 427094098500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	200
Public Info Code: Y 07-JAN-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
3684 / 3300	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6267 / 5401	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
7113 / 6100	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 537 Date of Summary: 24-JUL-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02698 **Borehole MD:** 11900 Paleo Done By: OPERATOR Well Name: B017 **Borehole TVD:** 6051 **API Well Number:** 427094098600 **Drilling Operator:** NEWFIELD EXPLORATION COMPANY **Rkb Elevation:** 106 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 200 Public Info Code: Y 13-FEB-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
1502 / 1501	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 3605	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8990 / 5371	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: HI A 553 Date of Summary: 26-AUG-1999 0 Lease Number: G06237 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 15224 Well Name: A007 Paleo Done By: OPERATOR **Borehole TVD:** 13012 **API Well Number:** 427094103200 **Drilling Operator: MISSION RESOURCES CORPORATION Rkb Elevation:** 108 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 265 Public Info Code: Y 15-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9990 / 9318	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10470 / 9660	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT
10590 / 9746	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12030 /10821	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
12572 /11219	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
13350 /11723	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: HI A 557	Date of Summary: 16-NOV-1998	First Sample Examined:	0
Lease Number: G06238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14030
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD:	8254
API Well Number: 427094102600	Drilling Operator: HESS CORPORATION	Rkb Elevation:	133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	224
Public Info Code: Y 30-APR-2007	Fcozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5560 / 3885	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7150 / 4511	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
12500 / 7146	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13790 / 8077	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Borehole MD:

Borehole TVD:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 560 Date of Summary: 05-JAN-1996 First Sample Examined: 0

Lease Number: G14193 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR Well Name: A003

API Well Number: 427094100000 **Drilling Operator:** UMC PETROLEUM CORPORATION **Rkb Elevation:** 125

Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 241

Public Info Code: Y 05-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT 8070 / 5668

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 563 Date of Summary: 18-MAR-1997 First Sample Examined: 11153 Lease Number: G02388 Source of Paleo: OPERATOR **Borehole MD:** 11210 Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS Well Name: B024 **Borehole TVD:** 6998 **API Well Number:** 427094056601 **Drilling Operator: TEXACO INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 **Sample Range:** 11153 - 11500 Water Depth: 305 Public Info Code: Y 17-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
11153 / 6912	DEF AT first sample examined	POS AT 3
11154 / 6913	DEF AT cement	POS AT 3
11335 /	DEF AT	DEF AT 3
11365 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
11456 /	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
11485 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 19-MAR-1997 Area Block: HI A 563 First Sample Examined: 11153 Lease Number: G02388 Source of Paleo: OPERATOR **Borehole MD:** 11210 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: B024 **Borehole TVD:** 6998 **API Well Number:** 427094056601 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 114 Paleo Report Num: 2 of 2 **Sample Range:** 11153 - 11500 Water Depth: 305 Public Info Code: Y 17-APR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
11153 / 6912	DEF	AT first sample examined	DEF	AT
11215 /	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11455 /	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
11500 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 571 Date of Summary: 19-SEP-1997 First Sample Examined: 4500 Lease Number: G02391 Source of Paleo: OPERATOR **Borehole MD:** 11000 Well Name: 007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10991 **API Well Number:** 427094103300 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 90 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 10980 Water Depth: 274 Public Info Code: Y 02-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
4500 / 4500	DEF	AT first sample examined	DEF	AT	3
4620 / 4620	POS	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	3
4770 / 4770	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
5040 / 5040	DEF	AT local marker foram decrease	DEF	AT	3
8220 / 8220	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	4
8700 / 8699	DEF	AT	DEF	AT	5
8760 / 8759	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
8819 / 8818	DEF	AT Bathysiphon fauna	DEF	AT	5
8820 / 8819	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	5
8850 / 8849	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
8970 / 8968	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	5
9000 / 8998	DEF	AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	AT	5
9060 / 9058	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
9090 / 9088	DEF	AT Cyclammina sp. (local marker)	DEF	AT	5
9360 / 9357	POS	AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	AT	5
9569 / 9566	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
9570 / 9567	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
9600 / 9597	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
9630 / 9627	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	AT	5
9780 / 9777	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
10950 /10941	POS	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	5
10980 /10971	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A582 Date of Summary: 04-NOV-2000 First Sample Examined: 8000 Lease Number: G18959 Source of Paleo: OPERATOR **Borehole MD:** 15147 Well Name: D001 Paleo Done By: OPERATOR **Borehole TVD:** 12541 **API Well Number:** 427094110200 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 89 Paleo Report Num: 1 of 2 Sample Range: 8000 - 15145 Water Depth: 440 Public Info Code: Y 01-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 9990=weak Kansas interstadial, 10560=Aftonian faunal increase with amber preservation, foram species abundance and diversity chart available,

see report for details

MD/TVD		Paleo Top Description		Ec	ozone
8000 / 7999	DEF	AT first sample examined	DEF	IN	3
8001 / 8000	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	3
8040 / 8039	DEF	AT	DEF	AT	4
8070 / 8069	DEF	AT	DEF	IN	3
8850 / 8824	DEF	AT gray shale	DEF	IN	3
8970 / 8932	DEF	AT drilling material	DEF	IN	3
9180 / 9114	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
9300 / 9214	DEF	AT local marker foram increase	DEF	AT	4
9389 / 9287	DEF	AT pyrite	DEF	IN	4
9390 / 9288	DEF	AT local marker foram increase	DEF	AT	5
9450 / 9335	DEF	AT gray shale	DEF	IN	5
9509 / 9382	DEF	AT pyrite	DEF	IN	5
9510 / 9382	DEF	AT gray shale	DEF	IN	5
9839 / 9626	DEF	AT pyrite	DEF	IN	5
9840 / 9627	DEF	AT local marker foram increase	DEF	IN	5
9990 / 9730	POS	AT local marker (general)	DEF	IN	5
10020 / 9750	DEF	AT cement	DEF	IN	5
10110 / 9809	DEF	AT	DEF	AT	4
10349 / 9969	DEF	AT pyrite	DEF	IN	4
10350 / 9969	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
10410 /10010	POS	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 582 Date of Summary: 04-NOV-2000 First Sample Examined: 8000 Lease Number: G18959 Source of Paleo: OPERATOR **Borehole MD:** 15147 Well Name: D001 Paleo Done By: OPERATOR **Borehole TVD:** 12541 **API Well Number:** 427094110200 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 89 Paleo Report Num: 1 of 2 **Sample Range:** 8000 - 15145 Water Depth: 440 Public Info Code: Y 01-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/IVD		Paleo Top Description		ECO	zone
10469 /10049	DEF	AT pyrite	DEF	IN	5
10560 /10108	DEF	AT local marker (general)	DEF	IN	5
10589 /10126	DEF	AT shell fragments	DEF	IN	5
10590 /10126	DEF	AT local marker foram decrease	DEF	IN	5
10740 /10215	DEF	AT drilling material	DEF	IN	4
10860 /10280	DEF	AT shell fragments	DEF	IN	4
11070 /10388	DEF	AT gray shale	DEF	IN	5
11100 /10403	DEF	AT turbid water facies	DEF	IN	4
11249 /10480	DEF	AT pyrite	DEF	IN	5
11250 /10480	DEF	AT local marker foram increase	DEF	IN	5
11280 /10496	DEF	AT limestone	DEF	IN	5
11460 /10591	DEF	AT turbid water facies	POS	AT	4
11520 /10622	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	POS	AT	4
11550 /10638	DEF	AT drilling material	POS	AT	4
11610 /10669	DEF	AT sample gap top	POS	AT	4
11638 /10684	DEF	AT turbid water facies	POS	AT	4
11639 /10684	DEF	AT sample gap bottom	POS	AT	4
11670 /10701	DEF	AT sample gap top	POS	AT	4
11760 /10748	DEF	AT sample gap bottom	DEF	IN	4
12340 /11048	DEF	AT local marker foram increase	DEF	IN	4
12540 /11151	DEF	AT	DEF	AT	5
12599 /11182	DEF	AT pyrite	DEF	IN	5
12600 /11183	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	IN	5
12630 /11198	DEF	AT pyrite	DEF	IN	5

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: HI A 582 Date of Summary: 04-NOV-2000 First Sample Examined: 8000 Lease Number: G18959 Source of Paleo: OPERATOR **Borehole MD:** 15147 Well Name: D001 Paleo Done By: OPERATOR **Borehole TVD:** 12541 **API Well Number:** 427094110200 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 89 Paleo Report Num: 1 of 2 **Sample Range:** 8000 - 15145 Water Depth: 440 Public Info Code: Y 01-JUL-2005 Paleo ID: Ecozone Eq MMS: Y 001

MID/ IVD		Paleo Top Description			cozone
12720 /11245	DEF	AT local marker foram decrease	DEF	IN	5
12990 /11386	POS	AT Arenaceous fauna (local marker)	DEF	IN	4
13260 /11525	POS	AT local marker foram increase	DEF	IN	4
13395 /11596	DEF	AT cement	DEF	AT	4
13620 /11716	DEF	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	4
13680 /11748	DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	AT	4
13830 /11829	DEF	AT local marker deep water fauna	DEF	IN	5
13860 /11845	DEF	AT local marker foram increase	DEF	IN	5
13950 /11893	DEF	AT local white Arenacous fauna	DEF	IN	5
13980 /11909	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	5
14040 /11942	DEF	AT local marker foram increase	DEF	IN	5
14070 /11958	DEF	AT pyrite	DEF	IN	5
14100 /11975	DEF	AT	DEF	AT	5
14940 /12429	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
15030 /12478	DEF	AT local marker deep water fauna	DEF	IN	5
15120 /12527	POS	AT local marker foram increase	DEF	IN	5
15145 /12540	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 15-NOV-2000 Area Block: HI A 582 First Sample Examined: 8000 Lease Number: G18959 Source of Paleo: OPERATOR **Borehole MD:** 15147 Well Name: D001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12541 **API Well Number:** 427094110200 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 89 Paleo Report Num: 2 of 2 Sample Range: 8000 - 15145 Water Depth: 440 Public Info Code: Y 01-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

Ecozone
DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 07-SEP-2000 Area Block: KC 199 First Sample Examined: 8385 Lease Number: G19517 Source of Paleo: OPERATOR **Borehole MD:** 19583 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19576 **API Well Number:** 608084000200 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 83 Paleo Report Num: 1 of 2 **Sample Range:** 8385 - 19583 Water Depth: 5565 Public Info Code: Y 31-DEC-2007 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
8385 / 8384	DEF	AT first sample examined	DEF	AT
8920 / 8919	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF A	AT
11380 /11379	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF A	AT
13900 /13899	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF A	AT
14860 /14858	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
17080 /17078	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
17770 /17767	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF A	AT
18100 /18097	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF A	AT
18130 /18127	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF A	AT
18580 /18576	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF A	AT
19300 /19294	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF A	AT
19583 /19576	DEF	AT last sample examined	DEF .	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 199 Date of Summary: 08-SEP-2000 First Sample Examined: 8385 Lease Number: G19517 Source of Paleo: OPERATOR **Borehole MD:** 19583 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19576 **API Well Number:** 608084000200 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 83 Paleo Report Num: 2 of 2 **Sample Range:** 8385 - 19583 Water Depth: 5565 Public Info Code: Y 31-DEC-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
8385 / 8384	DEF	AT first sample examined	DEF	AT	5
8920 / 8919	DEF	AT faunal change (no faunal increase)	DEF	IN	5
9310 / 9309	DEF	AT faunal change (no faunal increase)	DEF	AT	5
11320 /11319	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	5
11920 /11919	DEF	AT faunal change (no faunal increase)	DEF	AT	5
13210 /13209	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
17170 /17168	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
18100 /18097	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
18760 /18755	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
19583 /19576	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-OCT-2002 Area Block: KC 511 First Sample Examined: 9450 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 22377 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 22363 **API Well Number:** 608084000400 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 9450 - 13350 Water Depth: 6115 Public Info Code: Y 31-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 12540=middle Eocene Helicosphaera heezenii, 12780=middle Eocene Neococcolithes dubius (NP16),

nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
9450 / 9450	DEF	AT first sample examined	DEF	AT
9451 / 9451	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
9510 / 9510	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
9570 / 9570	DEF	AT reworked material	DEF	AT
9690 / 9690	DEF	AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF	AT
9750 / 9750	DEF	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
9930 / 9930	DEF	IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
10050 /10050	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
10110 /10110	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
10170 /10170	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
10470 /10470	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10530 /10530	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
10710 /10710	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
10830 /10830	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10890 /10890	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
10950 /10950	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11010 /11010	DEF	IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11130 /11130	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
11190 /11190	DEF	IN Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
11250 /11250	DEF	AT Upper Miocene (Tortonian) Catinaster calyculus	DEF	AT
11310 /11310	DEF	IN Upper Miocene (Tortonian) Discoaster exilis	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 31-OCT-2006

Area Block: KC 511 Date of Summary: 01-OCT-2002 First Sample Examined: 9450 Source of Paleo: OPERATOR Lease Number: G17632 **Borehole MD:** 22377 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 22363 **API Well Number:** 608084000400 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 9450 - 13350 Water Depth: 6115

MD/TVD		Paleo Top Description		Ecozone
11430 /11430	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF	AT
11431 /11431	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	AT
11490 /11490	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
11550 /11549	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
11720 /11719	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
11940 /11939	DEF	IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	AT
12210 /12209	DEF	AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF	AT
12240 /12239	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF	AT
12241 /12240	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	AT
12300 /12299	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
12480 /12479	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT
12540 /12539	DEF	IN Middle Eocene (Bartonian) Pemma balium	DEF	AT
12780 /12779	DEF	AT Middle Eocene (Bartonian) Pemma stradneri	DEF	AT
12810 /12809	DEF	AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	AT
12960 /12959	DEF	AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF	AT
13110 /13109	DEF	AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF	AT
13290 /13288	DEF	AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF	AT
13320 /13318	DEF	AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF	AT
13350 /13348	DEF	AT last sample examined	DEF	AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 First Sample Examined: 9450 Date of Summary: 01-MAR-2003 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 22377 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 22363 **API Well Number:** 608084000400 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 9450 - 13350 Water Depth: 6115 Public Info Code: Y 31-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 12960=Middle Eocene Hantkenina dumblei, 13170=Lower Eocene Clavigerinella jarvisi, Morozovella gracilis, and radiolarians, 13350=last sample above salt, the entire section above the salt is very condensed and very fossiliferous, containing a number of unconformities, the largest occurring at 11550, where the section goes from Middle Miocene to the Upper Oligocene

MD/TVD		Paleo Top Description		Eco	ozone
9450 / 9450	DEF	AT first sample examined	DEF	AT	5
9451 / 9451	DEF	IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	5
9750 / 9750	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
9810 / 9810	DEF	AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF	AT	5
10110 /10110	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
10170 /10170	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
10290 /10290	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
10409 /10409	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
10410 /10410	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
10470 /10470	DEF	IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF	IN	5
10590 /10590	DEF	AT faunal change (no faunal increase)	DEF	AT	5
10890 /10890	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
11250 /11250	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	5
11549 /11548	DEF	AT unconformity	DEF	AT	5
11550 /11549	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	5
11790 /11789	DEF	AT local marker benthic foram increase	DEF	IN	5
11850 /11849	DEF	AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF	IN	5
11880 /11879	DEF	AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	IN	5
12210 /12209	DEF	AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF	IN	5
12330 /12329	DEF	AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-MAR-2003 Area Block: KC 511 First Sample Examined: 9450 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 22377 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 22363 **API Well Number:** 608084000400 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 9450 - 13350 Water Depth: 6115 Public Info Code: Y 31-OCT-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD	Paleo Top Description		Ţ	<u>Ecozone</u>
12570 /12569	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	IN	5
12870 /12869	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF	IN	5
12960 /12959	DEF AT local marker planktic foram increase	DEF	IN	5
12989 /12988	DEF AT radiolarians	DEF	IN	5
12990 /12989	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF	IN	5
13080 /13079	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF	IN	5
13170 /13168	DEF AT radiolarians	DEF	IN	5
13230 /13228	DEF AT Lower Eocene (Ypresian) Morozovella rex/subbotinae	DEF	IN	5
13290 /13288	DEF AT local marker foram decrease	DEF	IN	5
13350 /13348	DEF AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> 22320 Area Block: KC 511 Date of Summary: 01-DEC-2002 First Sample Examined: Source of Paleo: OPERATOR Lease Number: G17632 **Borehole MD:** 22547 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 22533 **API Well Number:** 608084000401 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 22320 - 22547 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
22320 /22306	DEF AT first sample examined	DEF AT 4
22321 /22307	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22470 /22456	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22499 /22485	DEF AT reworked material	DEF AT 4
22500 /22486	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22547 /22533	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-DEC-2002 Area Block: KC 511 First Sample Examined: 22290 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 22547 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 22533 **API Well Number:** 608084000401 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 22290 - 22547 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, see notes in original report for discussion of flora, nannospecies abundance and diversity chart available, see report

for details

MD/TVD	Paleo Top Description	Ecozone
22290 /22276	DEF AT first sample examined	DEF AT
22291 /22277	DEF AT base of salt	DEF AT
22292 /22278	DEF AT out-of-place section	DEF AT
22320 /22306	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22350 /22336	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22380 /22366	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22439 /22425	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22440 /22426	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22491 /22477	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22529 /22515	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22530 /22516	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 First Sample Examined: 22322 Date of Summary: 01-FEB-2003 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 30082 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 30003 **API Well Number:** 608084000402 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 22322 - 30082 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, subsalt section, interpreted in four sections (see notes in report), 22800=lower Miocene Helicosphaera scissura, 24690=Lower Miocene Sphenolithus aff s hetermorphus, 27030=Helicosphaera bramlettei, 28080=Middle Eocene Helicosphaera heezeni with floral increase, 29610=Rupelian Reticulofenestra laevis, nannospecies abundance and diversity chart available, see report for details

MD/IVD		Paleo Top Description		<u> Ecozone</u>
22322 /22255	DEF	AT first sample examined	DEF	AT
22323 /22256	DEF	AT out-of-place section	DEF	AT
22324 /22257	POS	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
22350 /22283	DEF	AT local marker floral increase	DEF	AT
22410 /22342	POS	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
22440 /22372	DEF	AT local marker floral increase	DEF	AT
22530 /22461	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
22560 /22491	DEF	AT local marker floral increase	DEF	AT
22740 /22670	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
22800 /22730	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
22980 /22910	DEF	AT reworked material	DEF	AT
23190 /23119	DEF	AT local marker floral increase	DEF	AT
23670 /23599	DEF	AT reworked material	DEF	AT
23820 /23749	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
23880 /23809	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
23940 /23869	DEF	AT reworked material	DEF	AT
24030 /23959	DEF	AT reworked material	DEF	AT
24090 /24019	DEF	AT reworked material	DEF	AT
24120 /24049	DEF	IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
24210 /24139	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 Date of Summary: 01-FEB-2003 First Sample Examined: 22322 Source of Paleo: OPERATOR Lease Number: G17632 **Borehole MD:** 30082 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 30003 **API Well Number:** 608084000402 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 80 Paleo Report Num: 1 of 2 **Sample Range:** 22322 - 30082 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 Paleo ID: **Ecozone Eq MMS:** 001

MD/ IVD		Paleo Top Description		ECOZ	zone
24270 /24199	DEF	AT reworked material	DEF	AT	
24390 /24319	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT	
24420 /24349	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT	
24480 /24409	DEF	AT reworked material	DEF	AT	
24690 /24618	DEF	IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT	
24750 /24678	DEF	IN Middle Miocene (Langhian) Helicosphaera mediterranea	DEF	AT	
24810 /24738	DEF	AT reworked material	DEF	AT	
25140 /25068	DEF	AT reworked material	DEF	AT	
25170 /25098	DEF	AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF	AT	
25440 /25368	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT	
25650 /25577	DEF	AT reworked material	DEF	AT	
25830 /25757	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT	
26160 /26087	DEF	AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT	
26340 /26267	DEF	AT local marker floral increase	DEF	AT	
26670 /26596	DEF	IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT	
27030 /26956	POS	AT Lower Oligocene Rupelian Stage	DEF	AT	0
27180 /27106	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT	
27240 /27166	DEF	AT local marker floral increase	DEF	AT	
27480 /27406	DEF	AT floral flood	DEF	AT	
27510 /27436	DEF	IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT	
27630 /27555	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT	
27660 /27585	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT	
27780 /27705	DEF	AT local marker floral increase	DEF	AT	
28080 /28005	DEF	AT Middle Eocene (Bartonian) Pemma stradneri	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 Date of Summary: 01-FEB-2003 First Sample Examined: 22322 Source of Paleo: OPERATOR Lease Number: G17632 **Borehole MD:** 30082 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 30003 **API Well Number:** 608084000402 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 22322 - 30082 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 Paleo ID: **Ecozone Eq MMS:** 001

		Paleo Top Description		Ecozone
28200 /28125	DEF	AT Middle Eocene (Bartonian) Pemma papillatum	DEF	AT
28420 /28345	POS	IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF	AT
28421 /28346	POS	IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
28530 /28454	DEF	AT local marker floral increase	DEF	AT
28560 /28484	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
28590 /28514	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT
28620 /28544	DEF	IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
28680 /28604	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT
28920 /28843	DEF	AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF	AT
29610 /29532	DEF	AT local marker floral increase	DEF	AT
29760 /29681	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
29790 /29711	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT
30060 /29980	DEF	IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	AT
30082 /30002	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 First Sample Examined: 22320 Date of Summary: 01-FEB-2003 Lease Number: G17632 Source of Paleo: OPERATOR **Borehole MD:** 30082 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 30003 **API Well Number:** 608084000402 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 80 Sample Range: 22320 - 30082 Paleo Report Num: 2 of 2 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: 26220=top of Oligocene with first Tiptonina nodifera and an increase in Robulus chambersi, 26820=Upper Oligocene (Chattian) Globigerina angulisuturalis, a large block of uppermost Upper Eocene noted between 27690 and 28740, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
22320 /22253	DEF	AT first sample examined	DEF	AT	5
22321 /22254	POS	IN gouge	DEF	AT	5
22440 /22372	POS	IN Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
22620 /22551	DEF	AT	DEF	AT	4
22800 /22730	DEF	AT	DEF	AT	5
22860 /22790	DEF	AT Arenaceous fauna (local marker)	DEF	AT	5
22950 /22880	DEF	AT local marker foram decrease	DEF	AT	5
22980 /22910	POS	AT local marker planktic foram increase	DEF	AT	5
23130 /23059	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	4
23610 /23539	POS	IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
23700 /23629	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	4
24000 /23929	DEF	AT local marker planktic foram increase	DEF	AT	4
24150 /24079	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
24210 /24139	DEF	AT local marker foram increase	DEF	IN	5
24330 /24259	DEF	AT drilling material	DEF	AT	4
24630 /24559	DEF	AT local marker planktic foram increase	DEF	AT	4
24720 /24648	POS	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	4
25380 /25308	POS	AT deepwater facies Abbeville Iberia	DEF	AT	5
25500 /25428	DEF	AT	DEF	AT	4
25860 /25787	POS	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: KC 511 Date of Summary: 01-FEB-2003 First Sample Examined: 22320 Source of Paleo: OPERATOR Lease Number: G17632 **Borehole MD:** 30082 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 30003 **API Well Number:** 608084000402 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 80 Paleo Report Num: 2 of 2 Sample Range: 22320 - 30082 Water Depth: 6120 Public Info Code: Y 31-OCT-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 20	Date of Summary: 12-DEC-2000	First Sample Examined:	0
Lease Number: G04935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	9790
Well Name: A022	Paleo Done By: OPERATOR	Borehole TVD:	7648
API Well Number: 608174089900	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation:	128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	479
Public Info Code: Y 31-ALIG-2006	Factore Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3960 / 3595	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5760 / 4836	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8905 / 6960	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 20 Date of Summary: 19-FEB-2001 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G04935 **Borehole MD:** 8375 Paleo Done By: OPERATOR Well Name: A024 **Borehole TVD:** 6445 **API Well Number:** 608174090500 **Drilling Operator:** TAYLOR ENERGY COMPANY **Rkb Elevation:** 128 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 479 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4280 / 3582	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6320 / 4947	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7750 / 5985	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
8020 / 6182	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 24 Date of Summary: 10-FEB-2005 First Sample Examined: 2620 Lease Number: G22852 Source of Paleo: OPERATOR **Borehole MD:** 21887 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 20987 **API Well Number:** 608174104700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 74 Paleo Report Num: 1 of 2 **Sample Range:** 2620 - 21877 Water Depth: 1106 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
2620 / 2620	DEF	AT first sample examined	DEF	AT	4
3040 / 3040	DEF	IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
3190 / 3190	DEF	AT	DEF	AT	5
3610 / 3610	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
3700 / 3700	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
3820 / 3820	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
3850 / 3850	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
3940 / 3940	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
4150 / 4150	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
8670 / 8670	DEF	AT salt	DEF	AT	5
10140 /10140	DEF	AT base of salt	DEF	AT	6
10230 /10230	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	6
11490 /11490	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	6
11550 /11550	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	6
11790 /11790	DEF	AT	DEF	AT	5
14520 /14349	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	5
15060 /14831	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	6
15270 /15020	DEF	AT	DEF	AT	5
15450 /15181	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
16140 /15793	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
17580 /17088	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
17850 /17333	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 24 Date of Summary: 10-FEB-2005 2620 Source of Paleo: OPERATOR Lease Number: G22852 **Borehole MD:** 21887 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 20987 **API Well Number:** 608174104700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 74 Paleo Report Num: 1 of 2 **Sample Range:** 2620 - 21877 Water Depth: 1106 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
20970 /20147	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21210 /20366	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21750 /20861	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
21877 /20978	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 24 Date of Summary: 10-FEB-2005 First Sample Examined: 2620 Lease Number: G22852 Source of Paleo: OPERATOR **Borehole MD:** 21887 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 20987 **API Well Number:** 608174104700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 74 Paleo Report Num: 2 of 2 **Sample Range:** 2620 - 21877 Water Depth: 1106 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
2620 / 2620	DEF	AT first sample examined	DEF	AT
2621 / 2621	POS	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
3040 / 3040	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
3550 / 3550	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
3670 / 3670	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
3700 / 3700	POS	AT out-of-place section	DEF	AT
3730 / 3730	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
3820 / 3820	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
3940 / 3940	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
4900 / 4900	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
6570 / 6570	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
8670 / 8670	DEF	AT salt	DEF	AT
10140 /10140	DEF	AT base of salt	DEF	AT
10290 /10290	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
10740 /10740	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
11310 /11310	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
11580 /11580	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
12690 /12671	POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
13140 /13088	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
14370 /14215	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
15510 /15235	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
16140 /15793	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 24 Date of Summary: 10-FEB-2005 2620 Source of Paleo: OPERATOR Lease Number: G22852 **Borehole MD:** 21887 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 20987 **API Well Number:** 608174104700 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 74 Paleo Report Num: 2 of 2 **Sample Range:** 2620 - 21877 Water Depth: 1106 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
17610 /17115	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
20940 /20119	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
21209 /20365	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
21210 /20366	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
21810 /20916	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
21877 /20978	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 85 Date of Summary: 01-NOV-1996 First Sample Examined: 10100 Lease Number: G08797 Source of Paleo: OPERATOR **Borehole MD:** 12315 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11857 **API Well Number:** 608174053500 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 46 Paleo Report Num: 1 of 1 Sample Range: 10100 - 12290 Water Depth: 5370 Public Info Code: Y 19-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	<u>Ecozone</u>
10100 / 9920	DEF	AT first sample examined	DEF	AT	4
10101 / 9920	DEF	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
10280 /10076	DEF	AT	DEF	IN	3
10310 /10102	DEF	AT	DEF	AT	4
10340 /10128	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	4
10370 /10155	DEF	AT	DEF	AT	3
10400 /10181	DEF	AT local marker foram increase	DEF	IN	3
10460 /10233	DEF	AT	DEF	AT	4
10490 /10259	DEF	AT	DEF	IN	4
10520 /10285	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	ΑT	5
10550 /10311	DEF	AT	DEF	ΑT	4
10580 /10337	DEF	AT	DEF	IN	4
10610 /10363	DEF	AT	DEF	ΑT	5
10640 /10389	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	ΑT	5
10730 /10467	DEF	AT	DEF	IN	4
10820 /10545	DEF	AT	DEF	IN	3
10880 /10597	DEF	AT	DEF	ΑT	5
10910 /10623	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	3
11030 /10727	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	3
11060 /10753	DEF	AT	DEF	ΑT	4
11090 /10780	DEF	AT	DEF	IN	4
11220 /10893	DEF	AT	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 85 Date of Summary: 01-NOV-1996 First Sample Examined: 10100 Source of Paleo: OPERATOR Lease Number: G08797 **Borehole MD:** 12315 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11857 **API Well Number:** 608174053500 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 10100 - 12290 Water Depth: 5370 Public Info Code: Y 19-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ec	cozone
11300 /10962	DEF	AT	DEF	AT	5
11330 /10988	DEF	AT	DEF	IN	4
11360 /11014	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	4
11390 /11041	DEF	AT	DEF	IN	3
11420 /11067	DEF	AT	DEF	AT	4
11450 /11093	DEF	AT	DEF	AT	5
11480 /11119	DEF	AT	DEF	AT	4
11510 /11145	DEF	AT	DEF	AT	5
11540 /11172	DEF	AT	DEF	IN	4
11570 /11198	DEF	AT	DEF	AT	4
11720 /11330	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
11810 /11409	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
11960 /11542	DEF	AT	DEF	IN	4
11990 /11568	DEF	AT	DEF	AT	4
12050 /11622	DEF	AT	DEF	IN	4
12080 /11648	DEF	AT	DEF	IN	3
12110 /11675	DEF	AT	DEF	IN	4
12200 /11755	DEF	AT	DEF	AT	4
12290 /11835	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 85 Date of Summary: 25-NOV-1996 First Sample Examined: 0 Lease Number: G08797 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11684 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11404 **API Well Number:** 608174053502 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 46 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 5370 Public Info Code: Y 25-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11160 /10998	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
11460 /11284	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
11840 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 154	Date of Summary: 07-JAN-1998	First Sample Examined:	0
Lease Number: G18196	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	11994
API Well Number: 608174058200	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation:	90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	1700
Public Info Code: Y 31-JUL-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3350 / 3350	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7430 / 7429	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11450 /11446	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 199 Date of Summary: 26-JAN-2001 First Sample Examined: 4770 Source of Paleo: OPERATOR Lease Number: G18199 **Borehole MD:** 6408 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 6408 **API Well Number:** 608174087700 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 **Sample Range:** 4770 - 6407 Water Depth: 2528 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF AT
4771 / 4771	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5460 / 5460	POS IN Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
6150 / 6150	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6407 / 6407	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 4770	
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 6408	,
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6408	,
API Well Number: 608174087700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78	,
Paleo Report Num: 2 of 2	Sample Range: 4770 - 6407	Water Depth: 2528	,
Public Info Code: Y 31-JUL-2007	Ecozone Ea MMS: Y	Paleo ID: 002	

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecc	ozone
4770 / 4770	DEF AT first sample examined	DEF IN	4
4920 / 4920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN	4
5400 / 5400	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN	4
5460 / 5460	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN	4
6407 / 6407	DEF AT last sample examined	DEF IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 5580
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 8025
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8021
API Well Number: 608174087703	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 5580 - 8029	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Ea MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone	
5580 / 5577	DEF AT first sample examined	DEF IN 4	
7170 / 7165	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4	
8029 /	DEF AT last sample examined	DEF IN 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 211 Date of Summary: 11-MAR-1997 First Sample Examined: 9640 Lease Number: G08801 Source of Paleo: OPERATOR **Borehole MD:** 17816 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 15840 **API Well Number:** 608174056900 **Drilling Operator: EXXON MOBIL CORPORATION Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 9640 - 17750 Water Depth: 4270 Public Info Code: Y 23-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
9640 / 9638	DEF	AT first sample examined	DEF	- AT
9641 / 9639	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	- AT
9700 / 9698	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	- AT
10300 /10298	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	- AT
10380 /10378	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	- AT
10749 /10746	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	- AT
11789 /11745	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	- AT
11790 /11746	DEF	AT Upper Miocene (Tortonian) Discoaster bellus	DEF	AT .
12239 /12071	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT .
12240 /12071	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT .
14520 /13509	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT .
14580 /13548	DEF	AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF	AT .
15330 /14031	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT .
15630 /14224	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	- AT
17180 /15298	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	- AT
17360 /15446	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	- AT
17750 /15782	DEF	AT last sample examined	DEF	- AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 252 Date of Summary: 30-NOV-1999 First Sample Examined: 7590 Lease Number: G18207 Source of Paleo: OPERATOR **Borehole MD:** 9038 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 9000 **API Well Number:** 608174085600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 7590 - 9000 Water Depth: 5225 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: N Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
7590 / 7589	DEF	AT first sample examined	DEF	AT
7591 / 7590	DEF	IN Upper Pliocene Piacenzian Stage	DEF	AT
7710 / 7709	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF	AT
7770 / 7769	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
7890 / 7889	DEF	AT local marker floral decrease	DEF	AT
8070 / 8068	DEF	AT local marker floral increase	DEF	AT
8130 / 8128	DEF	AT local marker floral decrease	DEF	AT
8850 / 8826	DEF	AT local marker floral increase	DEF	AT
8970 / 8937	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
9000 / 8965	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 252 Date of Summary: 23-JAN-2000 First Sample Examined: 7590 Source of Paleo: OPERATOR Lease Number: G18207 **Borehole MD:** 9038 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9000 **API Well Number:** 608174085600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 7590 - 9000 Water Depth: 5225 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Reigel Prospect, foram species abundance and diversity chart available, see report for details

MD/	TVD		Paleo Top Description			Ecozone
7590 /	7589	DEF	AT first sample examined	DEF	IN	3
7591 /	7590	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	3
7619 /	7618	DEF	AT pyrite	DEF	IN	3
7620 /	7619	DEF	AT local marker foram increase	DEF	IN	3
7680 /	7679	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	4
7710 /	7709	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
7740 /	7739	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	IN	4
7860 /	7859	DEF	AT local marker foram increase	DEF	IN	4
7920 /	7919	DEF	AT drilling material	DEF	IN	4
7980 /	7979	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
8010 /	8009	DEF	AT faunal change (no faunal increase)	DEF	IN	4
8040 /	8039	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
8070 /	8068	DEF	AT local marker foram decrease	DEF	ΑT	4
8190 /	8188	DEF	AT faunal change (no faunal increase)	DEF	IN	3
8640 /	8629	DEF	AT shell fragments	DEF	IN	3
8790 /	8770	DEF	AT local marker (general)	DEF	IN	3
8820 /	8798	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	3
8850 /	8826	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	ΑT	4
8970 /	8937	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	IN	4
9000 /	8965	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 252 Date of Summary: 30-NOV-1999 First Sample Examined: 9000 Source of Paleo: OPERATOR Lease Number: G18207 **Borehole MD:** 13600 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12832 **API Well Number:** 608174085602 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 9000 - 13600 Water Depth: 5225 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Reigel Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
9000 / 8965	DEF	AT first sample examined	DEF	AT
9120 / 9072	DEF	AT local marker floral decrease	DEF	AT
9360 / 9276	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
9780 / 9620	DEF	AT local marker floral decrease	DEF	AT
9960 / 9768	DEF	AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF	AT
10240 / 9997	DEF	AT local marker floral decrease	DEF	AT
10440 /10161	DEF	AT local marker floral increase	DEF	AT
10560 /10259	DEF	AT floral flood	DEF	AT
10740 /10405	DEF	AT local marker floral decrease	DEF	AT
10980 /10601	DEF	AT local marker floral increase	DEF	AT
11040 /10650	DEF	AT local marker floral decrease	DEF	AT
12360 /11738	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
12420 /11789	DEF	AT local marker floral decrease	DEF	AT
13080 /12356	POS	AT local marker floral increase	DEF	AT
13200 /12463	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
13500 /12739	DEF	AT local marker floral increase	DEF	AT
13560 /12795	DEF	AT floral flood	DEF	AT
13600 /12832	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 252 Date of Summary: 23-JAN-2000 First Sample Examined: 9000 Source of Paleo: OPERATOR Lease Number: G18207 **Borehole MD:** 13600 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 12832 **API Well Number:** 608174085602 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 9000 - 13600 Water Depth: 5225 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozo	one
9000 / 8965	DEF	AT first sample examined	DEF	IN	4
9120 / 9072	DEF	AT local marker foram increase	DEF	AT	4
9180 / 9125	DEF	AT local marker foram increase	DEF	AT	4
9210 / 9150	DEF	AT pyrite	DEF	AT	4
9270 / 9201	DEF	AT local marker planktic foram increase	DEF	IN	4
9360 / 9276	POS	AT shell fragments	DEF	IN	4
9390 / 9301	DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	IN	4
9476 / 9371	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
9510 / 9399	DEF	AT	DEF	IN	3
9630 / 9498	DEF	AT local marker foram increase	DEF	IN	3
9720 / 9572	DEF	AT local marker foram increase	DEF	IN	3
9930 / 9743	DEF	AT	DEF	AT	3
10200 / 9965	DEF	AT pyrite	DEF	AT	3
10320 /10063	POS	AT local marker foram increase	DEF	AT	3
10410 /10137	DEF	AT local marker planktic foram increase	DEF	IN	3
10590 /10283	DEF	AT pyrite	DEF	IN	3
10740 /10405	DEF	AT	DEF	AT	3
10890 /10527	DEF	AT local marker foram increase	DEF	AT	3
11490 /11018	DEF	AT gray shale	DEF	AT	3
11550 /11068	POS	AT reworked material	DEF	AT	3
11730 /11214	DEF	AT local marker (general)	DEF	AT	3
11755 /11235	DEF	AT drilling material	DEF	AT	3

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 252 Date of Summary: 23-JAN-2000 First Sample Examined: 9000 Source of Paleo: OPERATOR Lease Number: G18207 **Borehole MD:** 13600 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 12832 **API Well Number:** 608174085602 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 9000 - 13600 Water Depth: 5225 Public Info Code: Y 30-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/IVD		Paleo Top Description		브	cozone
12150 /11563	POS	AT local marker foram increase	DEF	AT	3
12180 /11588	DEF	AT pyrite	DEF	AT	3
12300 /11688	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
12390 /11763	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	3
12450 /11814	DEF	AT local marker (general)	DEF	AT	3
12900 /12198	DEF	AT pyrite	DEF	AT	3
12990 /12276	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
13020 /12303	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	AT	3
13080 /12356	DEF	AT pyrite	DEF	AT	3
13170 /12436	DEF	AT local marker foram increase	DEF	AT	3
13200 /12463	DEF	AT	DEF	AT	4
13350 /12600	DEF	AT local marker foram increase	DEF	AT	4
13380 /12628	DEF	AT pyrite	DEF	AT	4
13530 /12767	DEF	AT local marker foram increase	DEF	AT	4
13600 /12832	DEF	AT last sample examined	DEF	AT	4

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 11-SEP-1995 First Sample Examined: 5560 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
5560 / 5559	DEF	AT first sample examined	DEF	AT
5561 / 5560	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF	AT
5830 / 5829	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
5890 / 5889	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
6010 / 6009	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
6070 / 6069	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6250 / 6249	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
6310 / 6309	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
6790 / 6789	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
7103 / 7102	DEF	IN salt	DEF	AT
9779 / 9775	DEF	AT base of salt	DEF	AT
9780 / 9776	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
9840 / 9835	DEF	AT out-of-place section	DEF	AT
9960 / 9955	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
10020 /10015	DEF	AT out-of-place section	DEF	AT
10140 /10135	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11520 /11515	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
11970 /11965	DEF	AT local marker floral decrease	DEF	AT
12330 /12325	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
12540 /12535	DEF	AT local marker floral decrease	DEF	AT
13380 /13374	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
13740 /13734	DEF	AT local marker floral decrease	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 11-SEP-1995 Area Block: MC 292 First Sample Examined: 5560 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 Paleo ID: **Ecozone Eq MMS:** 003

MD/TVD		Paleo Top Description		Ecozone
14370 /14364	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
14550 /14544	DEF	AT local marker floral decrease	DEF	AT
15630 /15623	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
15870 /15863	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
16410 /16403	DEF	AT floral flood	DEF	AT
16860 /16853	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
17700 /17693	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
17910 /17903	DEF	AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF	AT
17975 /17968	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
17976 /17969	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 28-SEP-1995 First Sample Examined: 5560 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		Ec	ozone
5560 / 5559	DEF AT first sample examined	DEF	AT	4
5561 / 5560	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
5620 / 5619	DEF AT	DEF	IN	4
5650 / 5649	DEF AT	DEF	AT	4
5800 / 5799	DEF AT	DEF	IN	4
5860 / 5859	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
5890 / 5889	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	4
5920 / 5919	DEF AT	DEF	AT	5
5980 / 5979	DEF AT	DEF	IN	4
6010 / 6009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
6070 / 6069	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4
6160 / 6159	DEF AT	DEF	IN	4
6280 / 6279	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	IN	4
6430 / 6429	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	4
6550 / 6549	DEF AT	DEF	AT	5
6610 / 6609	DEF AT	DEF	AT	4
6640 / 6639	DEF AT	DEF	AT	5
6700 / 6699	DEF AT	DEF	IN	4
6820 / 6819	DEF AT Arenaceous fauna (local marker)	DEF	IN	4
6910 / 6909	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	4
6920 / 6919	DEF AT salt	POS	IN	4
9810 / 9806	DEF AT base of salt	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 28-SEP-1995 First Sample Examined: 5560 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 Paleo ID: **Ecozone Eq MMS:** Y 002

		raled top bescription			020He
9930 / 9925	DEF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
9990 / 9985	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4
10200 /10195	DEF	AT	DEF	IN	4
10440 /10435	DEF	AT local marker planktic foram increase	DEF	AT	4
10470 /10465	DEF	AT	DEF	IN	4
10800 /10795	DEF	AT	DEF	AT	4
10830 /10825	DEF	AT local marker planktic foram increase	DEF	IN	4
10980 /10975	DEF	AT Bathysiphon fauna	DEF	IN	4
11100 /11095	DEF	AT	DEF	AT	4
11130 /11125	DEF	AT	DEF	IN	4
11160 /11155	DEF	AT	DEF	AT	4
11190 /11185	DEF	AT local white Arenacous fauna	DEF	AT	4
11250 /11245	DEF	AT	DEF	IN	3
11280 /11275	DEF	AT	DEF	AT	4
11370 /11365	DEF	AT	DEF	AT	3
11460 /11455	POS	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	4
11640 /11635	DEF	AT local marker foram decrease	DEF	IN	3
11700 /11695	DEF	AT	DEF	AT	4
11730 /11725	DEF	AT Eggerella sp. (local marker)	DEF	IN	3
12120 /12115	DEF	AT	DEF	AT	3
12210 /12205	DEF	AT	DEF	IN	3
12300 /12295	DEF	AT	DEF	AT	4
12329 /12324	DEF	AT local marker planktic foram increase	DEF	AT	4
12330 /12325	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	4

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Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 28-SEP-1995 First Sample Examined: 5560 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/1	<u>rvb</u>	Paleo Top Description		Ecc	<u>ozone</u>
12450 /1:	2445 DEF	AT	DEF	AT	3
12750 /1:	2745 DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
13230 /1	3225 DEF	AT	DEF	IN	2
13320 /1	3314 DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
13350 /1	3344 DEF	AT Eggerella sp. (local marker)	DEF	AT	3
14010 /1	4004 DEF	AT Bathysiphon fauna	DEF	AT	3
14100 /1	4094 DEF	AT	DEF	IN	2
14340 /1	4334 DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	2
14760 /1	4754 DEF	AT	DEF	AT	3
14820 /1	4814 DEF	AT	DEF	IN	2
14850 /1	4844 DEF	AT	DEF	IN	3
14940 /1	4933 DEF	AT	DEF	AT	3
15000 /1	4993 POS	AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	IN	3
15330 /1	5323 DEF	AT	DEF	AT	3
15420 /1	5413 DEF	AT	DEF	IN	3
15600 /1	5593 DEF	AT local marker foram decrease	DEF	AT	3
15750 /1	5743 DEF	AT	DEF	AT	4
15810 /1	5803 DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4
15840 /1	5833 DEF	AT	DEF	IN	3
15990 /1	5983 DEF	AT	DEF	AT	3
16020 /1	6013 DEF	AT	DEF	AT	3
16050 /1	6043 DEF	AT	DEF	IN	3
16140 /1	6133 DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
16200 /1	6193 DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	3

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 28-SEP-1995 First Sample Examined: 5560 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 17976 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17969 **API Well Number:** 608174050900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 5560 - 17976 Water Depth: 3405 Public Info Code: Y 07-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
16440 /16433	DEF	AT	DEF A	AT 3
16740 /16733	DEF	AT	DEF II	N 3
16830 /16823	DEF	AT	DEF A	AT 3
16860 /16853	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF II	N 3
16980 /16973	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF II	N 3
17070 /17063	DEF	AT	DEF A	AT 3
17280 /17273	DEF	AT foram flood	DEF II	N 3
17610 /17603	DEF	AT	DEF A	AT 4
17670 /17663	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	AT 4
17790 /17783	DEF	AT	DEF A	AT 3
17910 /17903	DEF	AT last sample examined	DEF A	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 14-FEB-1997 First Sample Examined: 6600 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 19504 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 002 **Borehole TVD:** 19452 **API Well Number:** 608174054300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 6600 - 14220 Water Depth: 4120 Public Info Code: Y 17-FEB-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
6600 / 6599	DEF A	T first sample examined	DEF A	Γ
7140 / 7139	DEF A	T reworked material	DEF A	Γ
10560 /10559	DEF A	T Lower Pliocene (Zanclian) Ceratolithus acutus	DEF A	Γ
11100 /11099	DEF A	T Upper Miocene (Messinian) Discoaster quinqueramus	DEF A	Γ
11700 /11698	DEF A	T Upper Miocene (Messinian) Discoaster berggrenii	DEF A	Γ
12600 /12597	DEF A	T Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF A	Γ
13200 /13197	POS A	T Upper Miocene (Tortonian) Catinaster mexicanus	DEF A	Γ
14220 /14215	DEF A	T last sample examined	DEF A	Γ

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 17-APR-1997 First Sample Examined: 6600 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 19504 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 19452 **API Well Number:** 608174054300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 6600 - 14250 Water Depth: 4120 Public Info Code: Y 17-FEB-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
6600 / 6599	DEF	AT first sample examined	DEF	IN	4
6601 / 6600	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
6960 / 6959	DEF	AT	DEF	IN	3
7050 / 7049	DEF	AT	DEF	IN	4
7080 / 7079	POS	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	4
7110 / 7109	DEF	AT local marker planktic foram increase	DEF	IN	4
7440 / 7439	DEF	AT	DEF	IN	3
7650 / 7649	DEF	AT	DEF	AT	4
7830 / 7829	DEF	AT	DEF	IN	4
8370 / 8369	DEF	AT pyrite	DEF	AT	4
9420 / 9419	DEF	AT	DEF	IN	4
9840 / 9839	DEF	AT	DEF	IN	3
9900 / 9899	DEF	AT local marker planktic foram increase	DEF	AT	4
9930 / 9929	DEF	AT foram flood	DEF	AT	5
10140 /10139	DEF	AT local marker foram increase	DEF	AT	5
10260 /10259	DEF	AT	DEF	AT	4
10500 /10499	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
10680 /10679	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
10740 /10739	DEF	AT local marker foram increase	DEF	AT	4
10770 /10769	DEF	AT	DEF	IN	4
11010 /11009	DEF	AT local marker planktic foram increase	DEF	AT	5
11220 /11219	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 17-APR-1997 First Sample Examined: 6600 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 19504 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 19452 **API Well Number:** 608174054300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 6600 - 14250 Water Depth: 4120 Public Info Code: Y 17-FEB-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Eco	ozone
11550 /11549	DEF	AT	DEF	AT	4
11700 /11698	DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	4
11760 /11758	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	4
12150 /12148	DEF	AT	DEF	IN	3
12240 /12238	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
12330 /12328	DEF	AT	DEF	AT	4
12360 /12358	DEF	AT	DEF	IN	3
12480 /12478	DEF	AT Eggerella sp. (local marker)	DEF	IN	3
12600 /12597	DEF	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	AT	4
12630 /12627	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	4
12750 /12747	DEF	AT	DEF	IN	3
13020 /13017	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
13410 /13407	DEF	AT	DEF	AT	3
13590 /13586	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
13650 /13646	DEF	AT Eggerella sp. (local marker)	DEF	IN	3
13860 /13856	DEF	AT	DEF	AT	3
14250 /14245	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 04-APR-1997 First Sample Examined: 10050 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 16500 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 002 **Borehole TVD:** 15070 **API Well Number:** 608174054301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 1 of 3 **Sample Range:** 10050 - 16500 Water Depth: 4120 Public Info Code: Y 15-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
10050 /10049	DEF	AT first sample examined	DEF	AT
10051 /10050	DEF	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10530 /10527	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
11010 /10993	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
11250 /11212	DEF	AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF	AT
11790 /11664	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13110 /12618	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
14070 /13311	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
16170 /14828	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
16499 /15070	DEF	AT local marker floral decrease	DEF	AT
16500 /15070	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 29-APR-1997 First Sample Examined: 13576 Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 16500 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 002 **Borehole TVD:** 15070 **API Well Number:** 608174054301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 3 **Sample Range:** 13576 - 13756 Water Depth: 4120 Public Info Code: Y 15-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Report based on sidewall cores

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13578 /12957	DEF AT local marker foram increase	DEF AT 3
13580 /12958	DEF AT	DEF AT 4
13584 /12961	DEF AT local marker foram increase	DEF AT 5
13585 /12962	DEF AT	DEF AT 4
13740 /13074	DEF AT	DEF AT 3
13745 /13077	DEF AT	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 20-MAY-1997 First Sample Examined: 10050 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 16500 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 15070 **API Well Number:** 608174054301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 **Sample Range:** 10050 - 16500 Paleo Report Num: 3 of 3 Water Depth: 4120 Public Info Code: Y 15-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
10050 /10049	DEF	AT first sample examined	DEF	AT	4
10140 /10139	DEF	IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	4
10410 /10408	DEF	AT	DEF	AT	3
10470 /10467	DEF	AT	DEF	AT	4
10530 /10527	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
10650 /10645	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
10709 /10703	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	4
10710 /10704	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
10860 /10850	DEF	AT	DEF	AT	3
11009 /10992	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
11010 /10993	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	4
11070 /11048	DEF	AT	DEF	IN	3
11130 /11104	DEF	AT	DEF	AT	3
11190 /11158	DEF	AT	DEF	IN	3
11220 /11185	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	3
11370 /11318	DEF	AT	DEF	AT	3
11790 /11664	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	4
11850 /11709	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	4
11880 /11731	DEF	AT Eggerella sp. (local marker)	DEF	IN	3
12540 /12207	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
13020 /12553	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
13139 /12639	DEF	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> 10050 Area Block: MC 292 Date of Summary: 20-MAY-1997 First Sample Examined: Source of Paleo: OPERATOR Lease Number: G08806 **Borehole MD:** 16500 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: 002 **Borehole TVD:** 15070 **API Well Number:** 608174054301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 3 of 3 **Sample Range:** 10050 - 16500 Water Depth: 4120 Public Info Code: Y 15-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description		Ecozone
13140 /12640	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN	3
13290 /12748	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN	3
14190 /13397	DEF AT	DEF AT	. 3
14460 /13591	DEF AT Eggerella sp. (local marker)	DEF AT	. 3
14640 /13720	DEF AT Arenaceous fauna (local marker)	DEF IN	3
15270 /14172	DEF AT Bathysiphon fauna	DEF IN	3
16030 /14726	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT	. 4
16220 /14865	DEF AT	DEF IN	3
16500 /15070	DEF AT last sample examined	DEF IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 27-MAR-1997 First Sample Examined: 8010 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 18069 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14545 **API Well Number:** 608174054302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 1 of 3 **Sample Range:** 8010 - 18096 Water Depth: 4153 Public Info Code: Y 12-APR-2007 **Ecozone Eq MMS:** Paleo ID: 004

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
8010 / 7897	DEF	AT first sample examined	DEF	AT
8011 / 7898	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
8250 / 8065	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
11610 /10175	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
12930 /11001	DEF	AT Upper Miocene (Messinian) Discoaster decorus	DEF	AT
13110 /11117	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13290 /11233	DEF	IN Upper Miocene (Messinian) Discoaster decorus	DEF	AT
13530 /11385	DEF	AT sample gap top	DEF	AT
13770 /11536	DEF	AT sample gap bottom	DEF	AT
13830 /11575	DEF	AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF	AT
13950 /11654	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
15270 /12561	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
16590 /13485	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17790 /14330	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
18096 /14545	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 29-APR-1997 First Sample Examined: 13577 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 18069 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 14545 **API Well Number:** 608174054302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 Paleo Report Num: 2 of 3 **Sample Range:** 13577 - 13755 Water Depth: 4153 Public Info Code: Y 12-APR-2007 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Report based on sidewall cores

MD/TVD		Paleo Top Description		Ecozone
13576 /11414	DEF	AT first sample examined	DEF IN	1 3
13577 /11415	DEF	AT local marker foram increase	DEF IN	1 3
13580 /11416	DEF	IN Upper Miocene (Messinian) Globorotalia juanai	DEF A	Γ 4
13583 /11418	DEF	AT foram flood	DEF A	T 5
13584 /11419	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF A	Γ 4
13740 /11517	DEF	AT faunal change (no faunal increase)	DEF A	Г 3
13745 /11520	DEF	AT Arenaceous fauna (local marker)	DEF IN	1 2
13755 /11526	DEF	AT last sample examined	DEF A	Т 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 292 Date of Summary: 06-MAY-1997 First Sample Examined: 7980 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 18069 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14545 **API Well Number:** 608174054302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 **Sample Range:** 7980 - 18096 Paleo Report Num: 3 of 3 Water Depth: 4153 Public Info Code: Y 12-APR-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
7980 / 7875	DEF	AT first sample examined	DEF	IN	3
7981 / 7876	DEF	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	3
8010 / 7897	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
8820 / 8424	DEF	AT	DEF	IN	4
9540 / 8876	DEF	AT local marker planktic foram increase	DEF	IN	4
9570 / 8895	DEF	AT	DEF	AT	4
10410 / 9418	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
11130 / 9871	DEF	AT local marker planktic foram increase	DEF	IN	4
11700 /10232	DEF	AT	DEF	AT	4
11820 /10309	DEF	AT	DEF	IN	3
12270 /10589	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	3
12510 /10737	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
12900 /10982	DEF	AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF	IN	4
12930 /11001	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
13170 /11156	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5
13320 /11252	DEF	AT	DEF	AT	4
13350 /11271	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4
13800 /11555	DEF	AT	DEF	IN	3
14129 /11774	DEF	AT Bathysiphon fauna	DEF	AT	4
14130 /11775	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	4
14280 /11878	DEF	AT	DEF	IN	3
15120 /12457	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	4

MD / TVD

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Econo

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 06-MAY-1997 Area Block: MC 292 First Sample Examined: 7980 Lease Number: G08806 Source of Paleo: OPERATOR **Borehole MD:** 18069 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14545 **API Well Number:** 608174054302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 86 **Sample Range:** 7980 - 18096 Paleo Report Num: 3 of 3 Water Depth: 4153 Public Info Code: Y 12-APR-2007 Paleo ID: Ecozone Eq MMS: Y 002

MD/ IVD	Paleo Top Description		<u> Ecozone</u>
15150 /12478	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF /	AT 4
15240 /12540	DEF AT local marker foram increase	DEF /	AT 4
15300 /12582	DEF AT foram flood	DEF /	AT 4
15420 /12665	DEF AT Bathysiphon fauna	DEF I	N 4
15540 /12749	DEF AT	DEF /	AT 4
15690 /12853	DEF AT	DEF I	N 3
15750 /12895	DEF AT	DEF /	AT 4
15810 /12937	DEF AT Eggerella sp. (local marker)	DEF /	AT 4
16140 /13168	DEF AT Arenaceous fauna (local marker)	DEF /	AT 4
16230 /13231	DEF AT	DEF /	AT 3
16410 /13358	DEF AT	DEF I	N 2
16770 /13612	DEF AT Arenaceous fauna (local marker)	DEF /	AT 3
17610 /14204	DEF AT Bathysiphon fauna	DEF /	AT 3
17910 /14415	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF /	AT 3
18096 /14545	DEF AT last sample examined	DEF /	AT 3

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 427 Date of Summary: 22-DEC-2004 First Sample Examined: 8266 Source of Paleo: OPERATOR Lease Number: G16608 **Borehole MD:** 11323 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11323 **API Well Number:** 608174105700 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 79 **Sample Range:** 8266 - 11300 Paleo Report Num: 1 of 1 Water Depth: 5782 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: N Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description			Ecozone
8266 / 8266	DEF AT first sample examined		DEF	AT
8400 / 8400	POS IN Lower Pliocene (Zanclian) Ceratolithus	s acutus	DEF	AT
8800 / 8800	DEF AT Upper Miocene (Messinian) Discoaste	r quinqueramus	DEF	AT
9400 / 9400	DEF AT Upper Miocene (Messinian) Discoaste	r berggrenii	DEF	AT
9800 / 9800	DEF AT Upper Miocene (Messinian) Reticulofe	nestra rotaria	DEF	AT
10200 /10200	DEF AT Upper Miocene (Messinian) Discoaste	r berggrenii "A"	DEF	AT
10580 /10580	DEF AT Upper Miocene (Tortonian) Discoaster	loeblichii	DEF	AT
11300 /11300	DEF AT last sample examined		DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 429 Date of Summary: 25-APR-1996 First Sample Examined: 10000 Source of Paleo: OPERATOR Lease Number: G07944 **Borehole MD:** 14890 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 14675 **API Well Number:** 608174051300 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 8200 - 14890 Water Depth: 6240 Public Info Code: Y 19-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Eco	zone
10000 /10000	DEF AT first sample examined	DEF AT	
10001 /10001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT	
10540 /10540	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT	
10780 /10780	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT	
12550 /12550	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT	
13060 /13060	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT	
13360 /13360	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT	
13540 /13540	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT	
13600 /13599	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT	
14320 /14244	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT	
14890 /14672	DEF AT last sample examined	DEF AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 442 Date of Summary: 16-JUL-1999 First Sample Examined: 12060 Source of Paleo: OPERATOR Lease Number: G18240 **Borehole MD:** 22000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21964 **API Well Number:** 608174082901 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 Sample Range: 12060 - 22000 Water Depth: 1530 Public Info Code: Y 31-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
12060 /12048	DEF AT first sample examined	DEF AT
12900 /12885	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15780 /15761	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19170 /19149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21240 /21211	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22000 /21964	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 442 Date of Summary: 30-JUL-1999 First Sample Examined: 12060 Lease Number: G18240 Source of Paleo: OPERATOR **Borehole MD:** 22000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 21964 **API Well Number:** 608174082901 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 12060 - 22000 Water Depth: 1530 Public Info Code: Y 31-JUL-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
12060 /12048	DEF AT first sample examined	DEF /	AT 4
12061 /12049	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF /	AT 4
12900 /12885	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF /	AT 4
15300 /15281	DEF AT	DEF /	AT 5
15780 /15761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF /	AT 5
17070 /17051	DEF AT	DEF /	AT 6
19770 /19748	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF /	AT 6
21660 /21627	DEF AT	DEF /	AT 5
22000 /21964	DEF AT last sample examined	DEF /	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-APR-1997 Area Block: MC 520 First Sample Examined: 9370 Lease Number: G09821 Source of Paleo: OPERATOR **Borehole MD:** 17500 Well Name: H001 Paleo Done By: OPERATOR **Borehole TVD:** 17500 **API Well Number:** 608174054600 **Drilling Operator: BP AMERICA PRODUCTION COMPANY Rkb Elevation:** 85 **Sample Range:** 9370 - 17460 Paleo Report Num: 1 of 1 Water Depth: 6738 Public Info Code: Y 05-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, foram and nannofossil species abundance and diversity

chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
9370 / 9370	DEF	AT first sample examined	POS	AT	3
9490 / 9490	DEF	AT faunal change (no faunal increase)	DEF	IN	3
9550 / 9550	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	4
9670 / 9670	DEF	AT cement	DEF	IN	3
9790 / 9790	DEF	AT faunal change (no faunal increase)	DEF	AT	4
9850 / 9850	DEF	AT cement	DEF	IN	3
10030 /10030	POS	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT	3
10120 /10120	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
10150 /10150	DEF	AT faunal change (no faunal increase)	DEF	IN	3
10210 /10210	DEF	AT faunal change (no faunal increase)	DEF	AT	4
10240 /10240	DEF	AT faunal change (no faunal increase)	DEF	IN	3
10630 /10630	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
10660 /10660	DEF	AT faunal change (no faunal increase)	DEF	IN	3
11760 /11760	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN	3
11820 /11820	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11880 /11880	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12420 /12420	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	3
12480 /12480	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	3
12810 /12810	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12840 /12840	DEF	AT faunal change (no faunal increase)	DEF	IN	3
13200 /13200	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	IN	3

MD/TVD

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 520 Date of Summary: 01-APR-1997 First Sample Examined: 9370 Lease Number: G09821 Source of Paleo: OPERATOR **Borehole MD:** 17500 Well Name: H001 Paleo Done By: OPERATOR **Borehole TVD:** 17500 **API Well Number:** 608174054600 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 9370 - 17460 Water Depth: 6738 Public Info Code: Y 05-MAR-2007 Paleo ID: Ecozone Eq MMS: Y 001

WD/TVD_		Paleo Top Description			Ecozone
13230 /13230	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13260 /13260	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	4
13350 /13350	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
13380 /13380	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	. IN	3
13560 /13560	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13590 /13590	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
13650 /13650	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13710 /13710	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
13860 /13860	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	. IN	3
13950 /13950	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14160 /14160	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	POS	AT.	4
14190 /14190	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
14520 /14520	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	. IN	3
15030 /15030	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	. IN	3
15240 /15240	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15270 /15270	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
15330 /15330	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	. IN	3
15360 /15360	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	. IN	3
15420 /15420	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	. IN	3
15600 /15600	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	. IN	4
15990 /15990	DEF	AT faunal change (no faunal increase)	DEF	AT	4
16020 /16020	DEF	AT faunal change (no faunal increase)	DEF	. IN	3
16200 /16200	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	IN	3
16230 /16230	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	· IN	3

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 520 Date of Summary: 01-APR-1997 9370 Source of Paleo: OPERATOR Lease Number: G09821 **Borehole MD:** 17500 Paleo Done By: OPERATOR Well Name: H001 **Borehole TVD:** 17500 **API Well Number:** 608174054600 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 9370 - 17460 Water Depth: 6738 Public Info Code: Y 05-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		E	cozone
16380 /16379	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	IN	3
17310 /17309	DEF	AT faunal change (no faunal increase)	DEF	AT	4
17340 /17339	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	3
17460 /17458	DEF	AT last sample examined	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 07-JAN-1999 Area Block: MC 580 First Sample Examined: 5590 Lease Number: G18259 Source of Paleo: OPERATOR **Borehole MD:** 19620 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19519 **API Well Number:** 608174080900 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 5590 - 19620 Water Depth: 2611 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
5590 / 5590	DEF	AT first sample examined	DEF	AT
6370 / 6370	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
6580 / 6580	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
6610 / 6610	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
7060 / 7060	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
7150 / 7150	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
7180 / 7180	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7210 / 7210	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
7240 / 7240	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
7510 / 7510	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
7690 / 7690	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9220 / 9220	DEF	AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT
9520 / 9520	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
9910 / 9910	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
11530 /11530	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
12220 /12219	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13390 /13389	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
15160 /15158	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
16600 /16595	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17530 /17520	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
18640 /18613	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
19390 /19315	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 580 Date of Summary: 07-JAN-1999 First Sample Examined: 5590

Lease Number: G18259Source of Paleo: OPERATORBorehole MD:19620Well Name: 001Paleo Done By: PALEO-DATA, INC.Borehole TVD:19519

API Well Number: 608174080900 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC Rkb Elevation: 85

Paleo Report Num: 1 of 2 Sample Range: 5590 - 19620 Water Depth: 2611

Public Info Code: Y 31-JUL-2007Ecozone Eq MMS:Paleo ID:002

MD/TVD Paleo Top Description Ecozone

19620 /19519 DEF AT last sample examined DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 580 Date of Summary: 08-JAN-1999 First Sample Examined: 5590 Source of Paleo: OPERATOR Lease Number: G18259 **Borehole MD:** 19620 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19519 **API Well Number:** 608174080900 Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 5590 - 19620 Water Depth: 2611 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

	Paleo Top Description		E	Ecozone
DEF	AT first sample examined	POS	AT	5
DEF	AT faunal change (no faunal increase)	DEF	IN	5
DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	5
DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	5
DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	5
DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
DEF	AT faunal change (no faunal increase)	DEF	AT	5
POS	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	5
POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	5
DEF	AT faunal change (no faunal increase)	DEF	AT	6
POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
DEF	AT faunal change (no faunal increase)	DEF	AT	5
DEF	AT faunal change (no faunal increase)	DEF	AT	6
POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	6
DEF	AT last sample examined	DEF	AT	6
	DEF DEF DEF DEF DEF DEF DEF DEF DEF DEF	AT first sample examined AT faunal change (no faunal increase) AT Lower Pleistocene (Calabrian) Stilostomella antillea AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") AT Upper Pliocene (Gelasian) Globorotalia miocenica AT Upper Pliocene (Piacenzian) Globorotalia multicamerata AT Upper Pliocene (Piacenzian) Globoquadrina altispira AT faunal change (no faunal increase) AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) AT Lower Pliocene (Zanclian) Globorotalia margaritae AT Lower Pliocene (Zanclian) Buliminella 1 AT faunal change (no faunal increase) AT Lower Pliocene (Zanclian) Globigerinoides mitra AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) AT faunal change (no faunal increase) AT Lower Miocene (Tortonian) Bolivina thalmanni	AT first sample examined POS AT faunal change (no faunal increase) DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata DEF AT Jupper Pliocene (Piacenzian) Globorotalia multicamerata DEF AT Lower Pliocene (Piacenzian) Globorotalia multicamerata DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae DEF AT Lower Pliocene (Zanclian) Buliminella 1 DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae DEF AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT Lower Pliocene (Messinian) Globorotalia menardii (coiling change right/left) DEF AT Jupper Miocene (Messinian) Globorotalia menardii (coiling change right/left) DEF AT faunal change (no faunal increase) DEF	AT first sample examined POS AT AT faunal change (no faunal increase) DEF IN DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea DEF IN DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") DEF IN DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" DEF IN DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" DEF IN DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") DEF IN DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica DEF IN DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata DEF IN DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata DEF IN DEF AT Lower Pliocene (Piacenzian) Globorotalia multicamerata DEF IN DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) DEF AT DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae DEF AT Lower Pliocene (Zanclian) Buliminella 1 DEF AT AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT AT Lower Pliocene (Zanclian) Globorotalia menardii (coiling change right/left) DEF AT AT faunal change (no faunal increase)

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 607 Date of Summary: 15-DEC-1997 First Sample Examined: 10010 Lease Number: G09837 Source of Paleo: OPERATOR **Borehole MD:** 17136 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16556 **API Well Number:** 608174057800 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 Sample Range: 10010 - 17136 Paleo Report Num: 1 of 1 Water Depth: 6590 Public Info Code: Y 02-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
10010 /10010	DEF	AT first sample examined	DEF	AT	4
10011 /10011	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
10040 /10040	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
10370 /10370	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	4
10400 /10400	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
10550 /10550	DEF	AT faunal change (no faunal increase)	POS	AT	4
10610 /10610	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS	AT	4
10850 /10850	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11030 /11030	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS	AT	4
11120 /11120	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	POS	AT	4
11210 /11210	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS	AT	4
11240 /11240	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11510 /11510	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
11720 /11720	DEF	AT faunal change (no faunal increase)	POS	AT	4
11900 /11900	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12530 /12530	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	4
13430 /13420	DEF	AT faunal change (no faunal increase)	POS	AT	4
13490 /13476	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	POS	AT	4
13550 /13532	DEF	AT Upper Miocene (Tortonian) Robulus "E"	POS	AT	4
13970 /13902	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14150 /14049	DEF	AT faunal change (no faunal increase)	POS	AT	4
14580 /14401	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 607 Date of Summary: 15-DEC-1997 First Sample Examined: 10010 Source of Paleo: OPERATOR 17136 Lease Number: G09837 **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16556 **API Well Number:** 608174057800 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 10010 - 17136 Water Depth: 6590 Public Info Code: Y 02-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	Ecozo	one
14990 /14741	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT	4
15170 /14890	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT	4
15800 /15417	DEF AT faunal change (no faunal increase)	DEF AT	4
16070 /15645	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT	4
17136 /16556	DEF AT last sample examined	DEF AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 607 Date of Summary: 15-DEC-1997 First Sample Examined: 14440 Lease Number: G09837 Source of Paleo: OPERATOR **Borehole MD:** 17338 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16486 **API Well Number:** 608174057801 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 Paleo Report Num: 1 of 1 **Sample Range:** 14400 - 17340 Water Depth: 6590 Public Info Code: Y 12-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecoz	zone
14440 /14286	DEF AT first sample examined	POS AT	4
14520 /14351	DEF AT faunal change (no faunal increase)	POS AT	4
14940 /14688	DEF AT faunal change (no faunal increase)	DEF AT	4
15030 /14759	DEF AT faunal change (no faunal increase)	POS AT	4
15750 /15310	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT	4
17340 /	DEF AT last sample examined	DEF AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 637 Date of Summary: 04-FEB-2004 First Sample Examined: 6437 Source of Paleo: OPERATOR Lease Number: G15500 **Borehole MD:** 26900 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 3 **Sample Range:** 6437 - 26900 Water Depth: 4066 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
6437 / 6433	DEF	AT first sample examined	DEF	AT
7810 / 7804	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
7869 / 7863	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7870 / 7864	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
7930 / 7924	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
7960 / 7954	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
8440 / 8434	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9640 / 9634	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10240 /10234	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
10870 /10864	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
11890 /11883	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
12820 /12810	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
14290 /14278	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
14800 /14788	DEF	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
14980 /14968	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
16630 /16618	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17440 /17428	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
18190 /18178	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
19090 /19076	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
19480 /19465	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
19990 /19975	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT
20290 /20274	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 637 Date of Summary: 04-FEB-2004 First Sample Examined: 6437 Source of Paleo: OPERATOR Lease Number: G15500 **Borehole MD:** 26900 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 1 of 3 **Sample Range:** 6437 - 26900 Water Depth: 4066 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD		Paleo Top Description		Ecozone
21790 /21755	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF /	AT
22120 /22082	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF /	AT
23680 /23640	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF /	AT
26900 /26842	DEF	AT last sample examined	DEF /	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 637 Date of Summary: 04-FEB-2004 First Sample Examined: 13150 Lease Number: G15500 Source of Paleo: OPERATOR **Borehole MD:** 26900 Well Name: 001 Paleo Done By: DANA LYNNE GRIFFITH **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 2 of 3 **Sample Range:** 13150 - 26890 Water Depth: 4066 Public Info Code: Y 30-JUN-2005 Paleo ID: 002 **Ecozone Eq MMS:**

Remark:

MD/TVD		Paleo Top Description		E	cozone
13150 /13139	DEF	AT first sample examined	DEF	AT	
13480 /13469	DEF	AT faunal change (no faunal increase)	DEF	IN	4
13540 /13528	DEF	AT faunal change (no faunal increase)	DEF	AT	4
13600 /13588	DEF	AT faunal change (no faunal increase)	DEF	AT	5
13720 /13708	DEF	AT faunal change (no faunal increase)	DEF	IN	4
13900 /13888	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14080 /14068	DEF	AT faunal change (no faunal increase)	DEF	AT	5
14140 /14128	DEF	AT faunal change (no faunal increase)	DEF	IN	4
14560 /14548	DEF	AT faunal change (no faunal increase)	DEF	AT	5
14740 /14728	DEF	AT local marker planktic foram increase	DEF	IN	4
14920 /14908	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14980 /14968	DEF	AT Bathysiphon fauna	DEF	IN	4
15160 /15148	DEF	AT faunal change (no faunal increase)	DEF	AT	4
15220 /15208	DEF	AT faunal change (no faunal increase)	DEF	AT	5
15280 /15268	DEF	AT faunal change (no faunal increase)	DEF	IN	4
15460 /15448	DEF	AT local marker planktic foram increase	DEF	AT	5
15940 /15928	DEF	AT local marker foram decrease	DEF	AT	4
16000 /15988	DEF	AT local marker benthic foram increase	DEF	IN	4
16060 /16048	DEF	AT Cyclammina sp. (local marker)	DEF	AT	4
16600 /16588	DEF	AT foram flood	DEF	AT	5
16720 /16708	DEF	AT faunal change (no faunal increase)	DEF	AT	4
17200 /17188	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 30-JUN-2005

Area Block: MC 637 First Sample Examined: 13150 Date of Summary: 04-FEB-2004 Source of Paleo: OPERATOR Lease Number: G15500 **Borehole MD:** 26900 Well Name: 001 Paleo Done By: DANA LYNNE GRIFFITH **Borehole TVD:** 26841 API Well Number: 608174100600 **Drilling Operator:** UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 2 of 3 Sample Range: 13150 - 26890 Water Depth: 4066

Ecozone Eq MMS:

MD/TVD **Ecozone** Paleo Top Description DEF AT 17320 /17308 AT Upper Miocene (Tortonian) Globorotalia lenguaensis 4 17380 /17368 DEF AT local marker deep water fauna DEF IN 4 POS AT local marker planktic foram increase DEF ΑT 17440 /17428 4 DEF DEF 5 18160 /18148 AT Arenaceous fauna (local marker) IN DEF AT local marker benthic foram increase DEF AT 18580 /18567 4 DEF DFF 18880 /18867 AT Upper Miocene (Tortonian) Cibicides crebbsi ΑT 4 19000 /18986 DEF AT local marker deep water fauna DEF IN 5 19240 /19226 DEF AT faunal change (no faunal increase) DEF IN 4 DEF AT foram flood DEF 19420 /19406 IN 19480 /19465 DEF AT local marker benthic foram increase DEF IN 4 AT local marker foram decrease DEF AT 19990 /19975 DEF 4 20020 /20005 DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta DEF ΑT 20050 /20035 DEF AT local marker planktic foram increase DEF IN 4 20080 /20065 DEF AT local marker deep water fauna DEF IN 5 20290 /20274 DEF AT Bathysiphon fauna DEF IN 4 20320 /20304 DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi DEF IN 4 20440 /20423 DEF AT local marker planktic foram increase DEF AT 5 20500 /20483 DEF AT faunal change (no faunal increase) DEF ΑT 4 20620 /20602 DEF AT local marker deep water fauna DEF AT 6 20680 /20661 AT Arenaceous fauna (local marker) DEF IN 4 20740 /20720 POS AT local marker foram decrease DEF AT 4 DEF 21520 /21488 DEF AT local marker deep water fauna IN 5 21580 /21547 POS AT local marker foram decrease DEF AT 5 DEF AT local marker foram decrease DEF IN 4 21640 /21606

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 637 Date of Summary: 04-FEB-2004 13150 Source of Paleo: OPERATOR Lease Number: G15500 **Borehole MD:** 26900 Well Name: 001 Paleo Done By: DANA LYNNE GRIFFITH **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 Paleo Report Num: 2 of 3 **Sample Range:** 13150 - 26890 Water Depth: 4066

Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS:

MD/TVD		Paleo Top Description			Eco	zone
21700 /21666	DEF	AT Arenaceous fauna (local marker)	DE	F I	IN	5
21970 /21933	DEF	AT foram flood	DE	F /	AT	6
22360 /22322	DEF	AT local marker deep water fauna	DE	F I	IN	5
22420 /22382	DEF	AT local marker benthic foram increase	DE	F I	IN	4
22760 /22721	DEF	AT local marker planktic foram increase	DE	F /	AT	6
22900 /22861	DEF	AT local marker benthic foram increase	DE	F I	IN	5
22930 /22891	DEF	AT faunal change (no faunal increase)	DE	F I	IN	4
23020 /22981	DEF	AT faunal change (no faunal increase)	DE	F I	IN	4
23200 /23160	DEF	AT local marker foram decrease	DE	F /	AT	4
23260 /23220	DEF	AT local marker planktic foram increase	DE	F /	AT	5
23680 /23640	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DE	F I	IN	6
23800 /23759	DEF	AT foram flood	DE	F I	IN	6
23920 /23879	DEF	AT faunal change (no faunal increase)	DE	F /	AT	6
23980 /23940	DEF	AT local marker foram decrease	DE	F I	IN	4
24040 /24000	DEF	AT local marker planktic foram increase	DE	F /	AT	6
24160 /24120	DEF	AT faunal change (no faunal increase)	DE	F I	IN	5
24220 /24179	DEF	AT faunal change (no faunal increase)	DE	F I	IN	4
24280 /24239	DEF	AT faunal change (no faunal increase)	DE	F I	IN	5
24340 /24299	DEF	AT local marker deep water fauna	DE	F /	AT	6
24400 /24358	DEF	AT faunal change (no faunal increase)	DE	F I	IN	4
24520 /24476	DEF	AT faunal change (no faunal increase)	DE	F /	AT	5
24580 /24535	DEF	AT faunal change (no faunal increase)	DE	F I	IN	5
24760 /24712	DEF	AT local marker foram decrease	DE	F /	AT	4
24820 /24772	DEF	AT local marker planktic foram increase	DE	F /	AT	6

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 637 Date of Summary: 04-FEB-2004 13150 Source of Paleo: OPERATOR Lease Number: G15500 **Borehole MD:** 26900 Well Name: 001 Paleo Done By: DANA LYNNE GRIFFITH **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 **Sample Range:** 13150 - 26890 Water Depth: 4066

Paleo Report Num: 2 of 3

Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:**

MD/TVD		Paleo Top Description		E	Ecozone
24880 /24831	DEF	AT local marker foram decrease	DEF	IN	4
25060 /25008	DEF	AT Arenaceous fauna (local marker)	DEF	IN	5
25120 /25068	DEF	AT local marker planktic foram increase	DEF	AT	6
25180 /25127	DEF	AT local marker foram decrease	DEF	IN	5
25300 /25245	DEF	AT faunal change (no faunal increase)	DEF	AT	4
25360 /25304	DEF	AT local marker foram decrease	DEF	IN	4
25420 /25364	DEF	AT local marker foram decrease	DEF	AT	4
25540 /25484	DEF	AT local marker deep water fauna	DEF	IN	6
25550 /25494	DEF	AT faunal change (no faunal increase)	DEF	AT	6
25600 /25544	DEF	AT local marker foram decrease	DEF	IN	5
25960 /25903	DEF	AT faunal change (no faunal increase)	DEF	IN	5
26020 /25963	DEF	AT faunal change (no faunal increase)	DEF	AT	4
26080 /26023	DEF	AT faunal change (no faunal increase)	DEF	IN	5
26140 /26083	DEF	AT local marker planktic foram increase	DEF	AT	6
26200 /26143	DEF	AT faunal change (no faunal increase)	DEF	IN	5
26260 /26203	DEF	AT faunal change (no faunal increase)	DEF	AT	6
26320 /26263	DEF	AT faunal change (no faunal increase)	DEF	AT	6
26440 /26383	DEF	AT local marker foram decrease	DEF	AT	4
26620 /26563	DEF	AT local marker deep water fauna	DEF	AT	6
26740 /26682	DEF	AT faunal change (no faunal increase)	DEF	IN	6
26800 /26742	DEF	AT faunal change (no faunal increase)	DEF	AT	6
26890 /26832	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-MAR-2004 Area Block: MC 637 First Sample Examined: 6437 Lease Number: G15500 Source of Paleo: OPERATOR **Borehole MD:** 26900 Well Name: 001 Paleo Done By: BUGWARE, INC. **Borehole TVD:** 26841 **API Well Number:** 608174100600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 91 **Sample Range:** 6437 - 26890 Paleo Report Num: 3 of 3 Water Depth: 4066 Public Info Code: Y 30-JUN-2005 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
6437 / 6433	DEF	AT first sample examined	DEF	AT
7810 / 7804	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
7869 / 7863	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7870 / 7864	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
7930 / 7924	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
7960 / 7954	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
8440 / 8434	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9640 / 9634	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
10240 /10234	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
10870 /10864	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
11890 /11883	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
12820 /12810	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
14290 /14278	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
14800 /14788	DEF	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
14980 /14968	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
16630 /16618	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17440 /17428	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
19090 /19076	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
19480 /19465	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
21790 /21755	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
22120 /22082	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
26890 /26832	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 674 Date of Summary: 11-NOV-1996 First Sample Examined: 5360 Lease Number: G13687 Source of Paleo: OPERATOR **Borehole MD:** 23154 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 23088 **API Well Number:** 608174054400 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 4343 - 23154 Water Depth: 2702 Public Info Code: Y 10-DEC-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Pluto Prospect, company-integrated foram and nanno report

MD / TVD Paleo Top Description			E	Ecozone	
5360 / 5360	DEF	AT first sample examined	DEF	IN	4
5660 / 5660	DEF	AT	DEF	AT	5
5930 / 5930	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	5
5990 / 5990	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT	5
6200 / 6200	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
6290 / 6290	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	5
6319 / 6319	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	5
6320 / 6320	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
6380 / 6380	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
6800 / 6800	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
6801 / 6801	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
6920 / 6920	DEF	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	5
7040 / 7040	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
7839 / 7839	DEF	AT salt	DEF	AT	
11570 /11549	DEF	AT base of salt	DEF	AT	5
12200 /12168	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	4
12890 /12846	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	IN	4
13160 /13112	DEF	AT	DEF	AT	5
13430 /13380	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	5
14780 /14726	DEF	AT	DEF	IN	4
16310 /16253	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	4
16730 /16673	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 674 Date of Summary: 11-NOV-1996 First Sample Examined: 5360 Source of Paleo: OPERATOR Lease Number: G13687 **Borehole MD:** 23154 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 23088 **API Well Number:** 608174054400 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 4343 - 23154 Water Depth: 2702 Public Info Code: Y 10-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		<u> </u>	<u>Ecozone</u>
17660 /17602	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
18229 /18171	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	4
18230 /18172	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
20390 /20330	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	4
21710 /21647	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	4
23154 /23089	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 24-MAR-2000 Area Block: MC 705 First Sample Examined: 5365 Lease Number: G18273 Source of Paleo: OPERATOR **Borehole MD:** 15284 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11826 **API Well Number:** 608174086000 **Drilling Operator: POGO PRODUCING COMPANY Rkb Elevation:** 82 Paleo Report Num: 1 of 2 Sample Range: 5265 - 15284 Water Depth: 854 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo '	op Description		Ecozone
5265 / 5123	DEF AT first sa	nple examined D	EF	AT
8570 / 7403	DEF AT Middle	Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	EF	AT
10970 / 8987	DEF AT Middle	Pleistocene (Ionian) Pseudoemiliania ovata	EF	AT
11960 / 9641	DEF AT Lower	Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	EF	AT
12960 /10299	POS AT Lower	Pleistocene (Calabrian) Helicosphaera sellii D	EF	AT
14000 /10983	DEF AT Lower	Pleistocene (Calabrian) Helicosphaera sellii D	EF	AT
14450 /11279	DEF AT Lower	Pleistocene (Calabrian) Calcidiscus macintyrei D	EF	AT
15200 /11771	DEF AT Upper	Pliocene (Gelasian) Discoaster brouweri D	EF	AT
15284 /	DEF AT last sa	nple examined D	EF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 705 Date of Summary: 24-MAR-2000 First Sample Examined: 5265 Source of Paleo: OPERATOR Lease Number: G18273 **Borehole MD:** 15284 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11826 **API Well Number:** 608174086000 **Drilling Operator: POGO PRODUCING COMPANY Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 5265 - 15284 Water Depth: 854 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		E	cozone
5265 / 5123	DEF AT first sample examined	POS	AT	4
5266 / 5123	DEF IN cement	POS	AT	4
5570 / 5346	DEF AT	DEF	AT	4
6830 / 6210	DEF AT	DEF	AT	5
10250 / 8512	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
11960 / 9641	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
12200 / 9799	DEF AT	DEF	AT	5
14450 /11279	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
15200 /11771	DEF AT	DEF	IN	5
15284 /	DEF AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 705 Date of Summary: 13-AUG-2004 First Sample Examined: 5222 Source of Paleo: OPERATOR Lease Number: G18273 **Borehole MD:** 13645 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12830 **API Well Number:** 608174104500 **Drilling Operator: POGO PRODUCING COMPANY Rkb Elevation:** 78 Paleo Report Num: 1 of 1 **Sample Range:** 5222 - 13645 Water Depth: 851 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description			Ecozone
5222 / 5172	DEF	AT first sample examined	DEF	IN	4
5720 / 5618	POS	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	IN	4
5780 / 5671	DEF	AT	DEF	AT	5
6980 / 6752	POS	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
7880 / 7569	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT	5
10120 / 9603	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	5
10270 / 9740	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
10899 /10314	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	IN	5
10900 /10315	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
11080 /10480	POS	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	5
11800 /11134	DEF	AT	DEF	AT	5
11980 /11299	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
12820 /12071	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
13390 /12595	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	5
13420 /12623	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
13450 /12651	DEF	AT	DEF	IN	5
13480 /12678	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	5
13540 /12733	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	IN	5
13630 /12817	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN	5
13645 /12830	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 705 First Sample Examined: 3070 Date of Summary: 08-MAR-1999 Lease Number: G19980 Source of Paleo: OPERATOR **Borehole MD:** 13250 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10538 **API Well Number:** 608174083900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 3070 - 13250 Water Depth: 854 Public Info Code: Y 01-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/T	VD		Paleo Top Description			Ecozone
3070 / 3	3070	DEF	AT first sample examined	DEF	ΑT	
3071 / 3	3071	DEF	IN Upper Pleistocene	DEF	ΑT	
4570 / 4	4507	DEF	AT local marker floral increase	DEF	ΑT	
4690 / 4	4609	POS	AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF	AT	
4750 / 4	4658	DEF	AT floral flood	DEF	AT	
5890 / 5	5498	DEF	AT local marker floral increase	DEF	ΑT	
6310 / 5	5785	DEF	AT local marker floral increase	DEF	ΑT	
6850 / 6	6146	DEF	AT floral flood	DEF	ΑT	
7510 / 6	6590	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	ΑT	
10330 / 8	8522	DEF	AT floral flood	DEF	ΑT	
10450 / 8	8605	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa T.R.	DEF	ΑT	
11050 / 9	9021	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	ΑT	
11770 / 9	9508	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	ΑT	
13090 /10	0425	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	ΑT	
13250 /10	0538	DEF	AT last sample examined	DEF	ΑT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 705 First Sample Examined: 3070 Date of Summary: 01-JUN-1999 Lease Number: G19980 Source of Paleo: OPERATOR **Borehole MD:** 13250 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10538 **API Well Number: 608174083900** Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 3070 - 13250 Water Depth: 854 Public Info Code: Y 01-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: 3760=local Bolivina acme, 3820=Bulimina aculeata acme, 5530=tan-gray shale influx, 6970=Angulogerina illingi, 7390=first observed Hanzawaia leroyi, 7450=Lower Middle Illinoian increase, 9010=Siphonodosaria emaciata, 13060=Kansan interstadial, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			<u>E</u>	cozone
3070 / 3070	DEF	AT first sample examined	D	EF	AT	4
3071 / 3071	DEF	IN Pleistocene	D	EF	AT	4
3100 / 3100	DEF	AT local marker foram increase	D	EF	AT	4
3130 / 3130	DEF	AT local marker foram increase	D	EF	AT	4
3190 / 3190	DEF	AT sand	D	EF	AT	4
3250 / 3250	DEF	AT	D	EF	IN	3
3310 / 3310	DEF	AT	D	EF	AT	4
3340 / 3340	DEF	AT	D	EF	IN	3
3370 / 3369	DEF	AT	D	EF	AT	3
3490 / 3489	DEF	AT local marker foram increase	D	EF	IN	3
3640 / 3638	DEF	AT local marker foram increase	D	EF	AT	3
3670 / 3667	DEF	AT sand	D	EF	AT	3
3760 / 3756	DEF	AT local marker foram increase	D	EF	AT	3
3820 / 3814	DEF	AT local marker foram increase	D	EF	AT	3
3970 / 3960	DEF	AT Holocene Globorotalia inflata	D	EF	IN	3
4180 / 4158	DEF	AT	D	EF	AT	4
4390 / 4349	DEF	AT	D	EF	IN	3
4630 / 4558	DEF	AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	D	EF	IN	3
4810 / 4707	DEF	AT	D	EF	AT	4
4930 / 4802	DEF	AT local marker foram increase	D	EF	AT	4

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 705 Date of Summary: 01-JUN-1999 First Sample Examined: 3070 Lease Number: G19980 Source of Paleo: OPERATOR **Borehole MD:** 13250 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10538 **API Well Number:** 608174083900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 3070 - 13250 Water Depth: 854 Public Info Code: Y 01-FEB-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/	TVD		Paleo Top Description		Ecoz	zone
5200 /	5007	DEF	AT	DEF	IN	3
5500 /	5218	DEF	AT cement	DEF	IN	3
5530 /	5239	DEF	AT gray shale	DEF	IN	3
5890 /	5498	DEF	AT sand	DEF	IN	3
6820 /	6126	DEF	AT	DEF	AT	4
6970 /	6227	DEF	AT local marker (general)	DEF	AT	4
7390 /	6507	DEF	AT local marker (general)	DEF	AT	4
7450 /	6548	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
7480 /	6569	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
7690 /	6713	DEF	AT	DEF	IN	3
8710 /	7406	DEF	AT sand	DEF	IN	3
9010 /	7616	DEF	AT local marker (general)	DEF	IN	3
9340 /	7846	DEF	IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	3
9550 /	7991	DEF	AT	DEF	AT	3
9970 /	8279	DEF	AT local marker foram increase	DEF	IN	3
10300 /	8502	DEF	AT local marker foram increase	DEF	AT	4
10600 /	8711	DEF	AT	DEF	IN	3
10780 /	8837	DEF	AT	DEF	AT	3
10990 /	8980	DEF	AT local marker foram increase	DEF	AT	4
11140 /	9082	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
11470 /	9304	DEF	AT	DEF	IN	3
11680 /	9447	DEF	AT local marker foram increase	DEF	IN	3
11920 /	9610	DEF	AT	DEF	AT	3
12790 /	10214	POS	AT local marker foram increase	DEF	AT	3

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined:	3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD:	13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation:	85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth:	854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID:	001

MD/TVD	Paleo Top Description		Eco	zone
12850 /10256	DEF AT sand	DEF	AT	3
13060 /10404	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	3
13250 /10538	DEF AT last sample examined	DEF	IN	3

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 714 Date of Summary: 10-FEB-1999 First Sample Examined: 5450 Source of Paleo: OPERATOR Lease Number: G15507 **Borehole MD:** 9494 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9494 **API Well Number:** 608174081600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 5450 - 9490 Water Depth: 3262 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
5450 / 5450	DEF	AT first sample examined	DEF A	AT 4
5750 / 5750	DEF	AT faunal change (no faunal increase)	DEF I	IN 3
5860 / 5860	DEF	AT faunal change (no faunal increase)	DEF A	AT 2
5990 / 5990	DEF	AT faunal change (no faunal increase)	DEF I	IN 2
6290 / 6290	DEF	AT faunal change (no faunal increase)	DEF A	AT 3
6350 / 6350	DEF	AT faunal change (no faunal increase)	DEF I	IN 4
6410 / 6410	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF I	IN 4
6740 / 6740	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF A	AT 5
6980 / 6980	DEF	AT faunal change (no faunal increase)	DEF I	IN 4
7100 / 7100	DEF	AT faunal change (no faunal increase)	DEF A	AT 3
7220 / 7220	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
7280 / 7280	DEF	AT faunal change (no faunal increase)	DEF I	IN 4
7790 / 7790	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF I	IN 4
8300 / 8300	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF I	IN 4
8600 / 8600	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF I	IN 4
8601 / 8601	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF I	IN 4
8840 / 8840	DEF	IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF I	IN 4
8930 / 8930	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF I	IN 4
8975 / 8975	DEF	IN salt	DEF I	IN 4
9050 / 9050	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF I	IN 4
9440 / 9440	DEF	AT last sample examined	DEF I	IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 714 Date of Summary: 27-SEP-1999 First Sample Examined: 5540 Lease Number: G15507 Source of Paleo: OPERATOR **Borehole MD:** 16083 Well Name: 003 Paleo Done By: OPERATOR **Borehole TVD:** 16064 **API Well Number:** 608174082500 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 5540 - 16083 Water Depth: 3262 Public Info Code: Y 30-JUN-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
5540 / 5540	DEF	AT first sample examined	DEF	AT	2
5960 / 5960	DEF	AT faunal change (no faunal increase)	DEF	AT	3
6320 / 6320	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	IN	4
6860 / 6860	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	4
7310 / 7310	DEF	AT faunal change (no faunal increase)	DEF	AT	5
8090 / 8090	DEF	AT faunal change (no faunal increase)	DEF	IN	4
8360 / 8360	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	4
8480 / 8480	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	4
8540 / 8540	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	IN	4
8570 / 8570	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
8600 / 8600	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN	4
8750 / 8750	DEF	AT faunal change (no faunal increase)	DEF	AT	5
8930 / 8930	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	5
8968 / 8968	DEF	AT salt	DEF	AT	
9000 / 9000	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	
15130 /15115	DEF	AT base of salt	DEF	IN	4
15134 /15119	DEF	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	4
15139 /15124	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	4
15140 /15125	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
15170 /15155	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	4
15620 /15604	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	IN	4
15770 /15753	DEF	AT Upper Miocene (Tortonian) Catinaster calyculus	DEF	IN	4

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 714 Date of Summary: 27-SEP-1999 First Sample Examined: 5540

Lease Number:G15507Source of Paleo:OPERATORBorehole MD:16083Well Name:003Paleo Done By:OPERATORBorehole TVD:16064API Well Number:608174082500Drilling Operator:CHEVRON USA INCRkb Elevation:82

API Well Number: 608174082500 Drilling Operator: CHEVRON USA INC Rkb Elevation: 82
Paleo Report Num: 1 of 1 Sample Range: 5540 - 16083 Water Depth: 3262

Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y

MD/TVD Paleo Top Description

16040 /16022 DEF AT last sample examined DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 718 Date of Summary: 25-OCT-1995 First Sample Examined: 4400 Source of Paleo: OPERATOR Lease Number: G07952 **Borehole MD:** 22500 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 22500 **API Well Number:** 608174051000 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 4400 - 22500 Water Depth: 2828 Public Info Code: Y 19-NOV-2005 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
4400 / 4400	DEF	AT first sample examined	POS	IN	4
5000 / 5000	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS	IN	4
5210 / 5210	DEF	AT	DEF	AT	5
5570 / 5570	DEF	AT	DEF	IN	4
6620 / 6619	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	IN	4
6770 / 6769	POS	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN	4
7400 / 7399	DEF	AT	DEF	AT	5
7790 / 7789	DEF	AT	DEF	IN	4
8090 / 8089	DEF	AT	DEF	AT	5
8120 / 8119	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	5
8209 / 8208	DEF	IN Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT	5
8210 / 8209	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
8510 / 8509	DEF	AT	DEF	IN	4
8870 / 8869	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	4
9139 / 9138	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	5
9140 / 9139	POS	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
9169 / 9168	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	5
9170 / 9169	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
9230 / 9229	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
11030 /11029	DEF	AT cement	POS	AT	5
11120 /11119	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5
11180 /11179	DEF	AT	DEF	IN	4

MD/TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 718 Date of Summary: 25-OCT-1995 First Sample Examined: 4400 Source of Paleo: OPERATOR Lease Number: G07952 **Borehole MD:** 22500 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 22500 **API Well Number:** 608174051000 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 4400 - 22500 Water Depth: 2828 Public Info Code: Y 19-NOV-2005 Paleo ID:

Ecozone Eq MMS:

Paleo Top Description

MD/ IVD		Paleo Top Description			Ecozone
11240 /11239	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	4
11540 /11539	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	IN	4
12260 /12259	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	4
12710 /12709	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	IN	4
12860 /12859	DEF	AT	DEF	AT	5
13160 /13159	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	5
13520 /13519	DEF	AT	DEF	IN	4
14840 /14839	DEF	AT	DEF	AT	5
15800 /15798	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	5
16190 /16188	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	5
16250 /16248	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	5
16670 /16668	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	5
16969 /16967	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
16970 /16968	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
17330 /17328	DEF	AT	DEF	IN	4
17629 /17627	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	IN	4
17630 /17628	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
18800 /18796	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	4
19520 /19514	DEF	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	IN	4
19580 /19574	DEF	AT	DEF	AT	5
20120 /20113	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
21140 /21131	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	5
21920 /21910	POS	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	5
22500 /22489	DEF	AT last sample examined	DEF	ΑT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 718 Date of Summary: 04-JAN-1996 First Sample Examined: 13600 Source of Paleo: OPERATOR Lease Number: G13687 **Borehole MD:** 22430 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 20035 **API Well Number:** 608174051001 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 1 **Sample Range:** 13600 - 22430 Water Depth: 2828 Public Info Code: Y 19-JAN-2006 Paleo ID: 002 Ecozone Eq MMS: Y

Remark: Pluto Prospect, company-integrated foram and nanno report

13600 / 13588 DEF AT first sample examined POS IN 4 13601 / 13589 DEF AT cement POS IN 4 13630 / 13618 DEF IN Lower Pliocene Zanclian Stage POS IN 4 13660 / 13648 DEF AT DEF IN 4 15160 / 15015 DEF AT DEF IN 4 15160 / 15015 DEF AT DEF IN 4 15790 / 15282 DEF AT Upper Miocene (Tortonian) Robulus "E" DEF IN 4 16360 / 15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii DEF IN 4 17920 / 16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 / 16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis DEF IN 4 18400 / 17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19959 / 17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19930 / 18178 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 / 18178 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 / 18178 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 19930 / 18915 DEF AT Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 19930 / 19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19930 / 19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19930 / 19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19930 / 19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19930 / 19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19900 / 19900 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19900 / 19900 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19900 / 19900 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19900 / 19900 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 19900 / 19900 POS AT Upper Miocene (Tortonian) DEF IN 4	MD/TVD		Paleo Top Description			Ecozone
13630 /13618 DEF IN Lower Pliocene Zanclian Stage POS IN 4 13660 /13648 DEF AT DEF IN 4 15160 /15015 DEF AT DEF IN 4 15550 /15282 DEF AT Upper Miocene (Tortonian) Robulus "E" POS IN 4 15790 /15240 DEF AT DEF IN 4 16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii DEF IN 4 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 /16880 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 18906 /17620 DEF AT Upper Miocene (Tortonian) Discoaster ballii DEF IN 4 18930 /18178 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 18930 /18178 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 18930 /18178 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 18930 /18915 DEF AT Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 18930 /18915 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 18930 /18915 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 18930 /18916 POS AT Upper Miocene (Tortonian)	13600 /13588	DEF	AT first sample examined	POS	IN	4
13660 /13648 DEF AT DEF IN 4 15160 /15015 DEF AT DEF IN 4 15550 /15282 DEF AT Upper Miocene (Tortonian) Robulus "E" POS IN 4 15790 /15440 DEF AT DEF IN 4 16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii DEF IN 4 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 /16880 DEF AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19900 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4	13601 /13589	DEF	AT cement	POS	IN	4
15160 /15015 DEF AT DEF IN 4 15550 /15282 DEF AT Upper Miocene (Tortonian) Robulus "E" POS IN 4 15790 /15440 DEF AT DEF IN 4 16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii DEF IN 4 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4	13630 /13618	DEF	IN Lower Pliocene Zanclian Stage	POS	IN	4
15550 /15282 DEF AT Upper Miocene (Tortonian) Robulus "E" DEF IN 4 15790 /15440 DEF AT 16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii DEF IN 4 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	13660 /13648	DEF	AT	DEF	IN	4
15790 /15440 DEF AT 16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus 17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	15160 /15015	DEF	AT	DEF	IN	4
16360 /15825 POS AT Upper Miocene (Tortonian) Discoaster loeblichii 17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus DEF IN 4 17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis DEF IN 4 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	15550 /15282	DEF	AT Upper Miocene (Tortonian) Robulus "E"	POS	IN	4
17920 /16859 DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus 17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus 19930 /18178 DEF AT 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	15790 /15440	DEF	AT	DEF	IN	4
17950 /16880 DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis 18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus 19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	16360 /15825	POS	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	4
18400 /17183 POS AT Upper Miocene (Tortonian) Discoaster bollii DEF IN 4 19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens DEF IN 4 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF IN 4 19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis	17920 /16859	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
19059 /17619 DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens 19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus 19930 /18178 DEF AT 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 DEF IN 4 DEF IN 4	17950 /16880	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	4
19060 /17620 DEF AT Upper Miocene (Tortonian) Discoaster hamatus 19930 /18178 DEF AT 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 DEF IN 4	18400 /17183	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	4
19930 /18178 DEF AT DEF IN 4 21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF IN 4 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4	19059 /17619	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
21070 /18915 DEF AT Upper Miocene (Tortonian) Catinaster coalitus 21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4 DEF IN 4	19060 /17620	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	IN	4
21340 /19115 DEF IN Upper Miocene (Tortonian) Uvigerina 3 DEF IN 4 22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4	19930 /18178	DEF	AT	DEF	IN	4
22300 /19906 POS AT Upper Miocene (Tortonian) Discoaster exilis DEF IN 4	21070 /18915	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	4
	21340 /19115	DEF	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
00400 100000	22300 /19906	POS	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	IN	4
22430 /20022 DEF AT last sample examined DEF IN 4	22430 /20022	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 722 Date of Summary: 04-APR-2005 First Sample Examined: 6710 Source of Paleo: OPERATOR Lease Number: G18278 **Borehole MD:** 29212 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 26959 **API Well Number:** 608174105200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 Paleo Report Num: 1 of 2 Sample Range: 6710 - 29210 Water Depth: 3869 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
6710 / 6708	DEF	AT first sample examined	DEF	AT	5
7700 / 7698	DEF	AT	DEF	IN	5
7820 / 7817	DEF	AT	DEF	AT	5
8960 / 8957	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
8990 / 8987	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
9020 / 9017	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
9080 / 9077	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
9407 / 9404	DEF	AT	DEF	AT	5
9560 / 9557	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
9650 / 9647	DEF	AT	DEF	AT	6
9680 / 9677	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
9890 / 9887	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
9920 / 9917	DEF	AT	DEF	AT	5
11480 /11477	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	5
12320 /12317	POS	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
12470 /12467	POS	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
13100 /13097	DEF	AT salt	DEF	AT	5
22340 /21926	DEF	AT base of salt	DEF	AT	5
22341 /21926	DEF	IN out-of-place section	DEF	AT	5
22460 /22015	POS	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
25190 /24008	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
25370 /24140	DEF	AT	DEF	AT	5

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MC 722 Date of Summary: 04-APR-2005 First Sample Examined: 6710

Lease Number: G18278Source of Paleo: OPERATORBorehole MD:29212Well Name: 001Paleo Done By: PALEO-DATA, INC.Borehole TVD:26959PLWell Number: 608174105300Prilling Operator: HESS CORPORATIONPkb Floration:82

API Well Number: 608174105200 Drilling Operator: HESS CORPORATION Rkb Elevation: 82
Paleo Report Num: 1 of 2 Sample Range: 6710 - 29210 Water Depth: 3869

Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y

MD / TVDPaleo Top DescriptionEcozone29210 /26958DEF AT last sample examinedDEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 722 Date of Summary: 04-APR-2005 First Sample Examined: 6710 Lease Number: G18278 Source of Paleo: OPERATOR **Borehole MD:** 29212 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 26959 **API Well Number:** 608174105200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 6710 - 14400 Water Depth: 3869 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
6710 / 6708	DEF	AT first sample examined	DEF	AT
7910 / 7907	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
8960 / 8957	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
8990 / 8987	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
9020 / 9017	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
9050 / 9047	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
9200 / 9197	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9710 / 9707	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
9770 / 9767	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
9950 / 9947	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
11240 /11237	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11270 /11267	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
11660 /11657	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
12110 /12107	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
12140 /12137	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
12350 /12347	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
12380 /12377	DEF	AT salt	DEF	AT
12470 /12467	POS	IN Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
12500 /12497	POS	IN Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
13100 /13097	DEF	IN salt	DEF	AT
22340 /21926	DEF	AT base of salt	DEF	AT
22341 /21926	DEF	IN out-of-place section	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 722 Date of Summary: 04-APR-2005 First Sample Examined: 6710 Source of Paleo: OPERATOR Lease Number: G18278 **Borehole MD:** 29212 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 26959 **API Well Number:** 608174105200 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 6710 - 14400 Water Depth: 3869 Public Info Code: Y 31-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD_		Paleo Top Description		Ecozone
22430 /21992	POS	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
23720 /22936	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
25190 /24008	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
27020 /25343	DEF	AT local marker floral increase	DEF	AT
29210 /26958	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 736 First Sample Examined: 9470 Date of Summary: 21-SEP-2006 Lease Number: G16645 Source of Paleo: OPERATOR **Borehole MD:** 16235 Well Name: 001 Paleo Done By: PALEO-DATA, INC. Borehole TVD: 14959 **API Well Number:** 608174109700 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 78 **Sample Range:** 9470 - 16230 Paleo Report Num: 1 of 1 Water Depth: 6108 Public Info Code: Y 27-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

MD/TVD		Paleo Top Description		E	cozone
9470 / 9469	DEF	AT first sample examined	DEF	AT	5
9471 / 9470	DEF	IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF	AT	5
9528 / 9527	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
9529 / 9528	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
9530 / 9529	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
9978 / 9971	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	IN	5
9979 / 9972	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	IN	5
9980 / 9973	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	5
10040 /10031	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	5
10100 /10089	DEF	AT	DEF	AT	6
10190 /10174	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
10490 /10455	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6
10879 /10799	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	6
10880 /10800	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	6
11180 /11052	DEF	AT	DEF	AT	4
11390 /11225	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
11490 /11304	DEF	AT	DEF	IN	5
11660 /11435	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	IN	5
12090 /11766	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	IN	5
12390 /11997	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	5
13080 /12529	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN	5
13320 /12716	POS	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 736 Date of Summary: 21-SEP-2006 First Sample Examined: 9470 Lease Number: G16645 Source of Paleo: OPERATOR **Borehole MD:** 16235 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14959 **API Well Number:** 608174109700 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 78 **Sample Range:** 9470 - 16230 Paleo Report Num: 1 of 1 Water Depth: 6108 Public Info Code: Y 27-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD_		Paleo Top Description			<u>Ecozone</u>
13410 /12786	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	5
13890 /13155	DEF	AT	DEF	ΑT	6
13980 /13225	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	ΑT	6
14100 /13317	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	ΑT	6
14160 /13363	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	ΑT	6
14190 /13386	DEF	AT	DEF	ΑT	4
14220 /13409	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	ΑT	4
14969 /13985	POS	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	ΑT	4
14970 /13986	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	ΑT	4
15990 /14770	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	ΑT	4
16230 /14955	DEF	AT last sample examined	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 736 First Sample Examined: 15600 Date of Summary: 14-DEC-2006 Lease Number: G16645 Source of Paleo: OPERATOR **Borehole MD:** 26774 Well Name: 001 Paleo Done By: PALEO-DATA, INC. Borehole TVD: 24924 **API Well Number:** 608174109701 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 78 **Sample Range:** 15600 - 26772 Paleo Report Num: 1 of 1 Water Depth: 6108 Public Info Code: Y 27-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
15600 /14471	DEF /	AT first sample examined	DEF	AT	
15990 /14770	DEF I	N Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
16110 /14860	DEF /	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
16200 /14930	DEF /	AT	DEF	AT	5
17580 /15993	DEF /	AT	DEF	AT	4
17610 /16016	POS I	N Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	4
17670 /16062	POS /	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	4
18480 /16710	POS /	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	4
18720 /16923	POS /	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	4
18780 /16978	DEF /	AT	DEF	AT	5
18870 /17060	DEF /	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	5
18930 /17116	POS I	N Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
18960 /17144	POS I	N Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
19110 /17285	POS /	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
19710 /17872	POS /	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
19830 /17992	DEF /	AT out-of-place section	DEF	AT	5
19860 /18022	DEF /	AT salt weld	DEF	AT	5
19950 /18111	DEF /	AT	DEF	AT	6
19980 /18141	DEF /	AT salt weld	DEF	AT	6
20190 /18351	DEF /	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	6
20400 /18560	DEF /	AT	DEF	AT	5
24540 /22692	POS /	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 736 Date of Summary: 14-DEC-2006 First Sample Examined: 15600 Source of Paleo: OPERATOR 26774 Lease Number: G16645 **Borehole MD:** Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 24924 **API Well Number:** 608174109701 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 78 Paleo Report Num: 1 of 1 **Sample Range:** 15600 - 26772 Water Depth: 6108 Public Info Code: Y 27-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
25110 /23262	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
26772 /24922	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 736 Date of Summary: 14-DEC-2006 First Sample Examined: 20550 Lease Number: G16645 Source of Paleo: OPERATOR **Borehole MD:** 22814 Well Name: 001 Paleo Done By: PALEO-DATA, INC. Borehole TVD: 20385 **API Well Number:** 608174109702 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 78 Sample Range: 20550 - 22814 Paleo Report Num: 1 of 1 Water Depth: 6108 Public Info Code: Y 27-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		ļ	Ecozone
20550 /18710	DEF	AT first sample examined	DEF	AT	5
20551 /18711	DEF	IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	5
20552 /18712	DEF	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
21180 /19319	DEF	AT	DEF	IN	5
21390 /19500	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	5
21510 /19596	DEF	AT	DEF	AT	5
21690 /19727	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	5
21779 /19786	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT	5
21780 /19787	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
21870 /19842	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT	5
21930 /19877	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT	5
21960 /19894	DEF	AT out-of-place section	DEF	ΑT	5
22079 /19963	DEF	AT out-of-place section	DEF	ΑT	5
22080 /19963	POS	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	5
22230 /20050	POS	IN Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF	AT	5
22290 /20084	POS	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	5
22500 /20205	POS	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT	5
22740 /20342	POS	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT	5
22814 /20385	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 782 Date of Summary: 01-JUL-2006 First Sample Examined: 12985 Lease Number: G16648 Source of Paleo: OPERATOR **Borehole MD:** 25594 Well Name: 001 Paleo Done By: MITCH COVINGTON **Borehole TVD:** 25594 **API Well Number:** 608174109600 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 72 Sample Range: 12985 - 25510 Paleo Report Num: 1 of 1 Water Depth: 6686 Public Info Code: Y 02-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
12985 /12985	DEF	AT first sample examined	DEF	AT
12990 /12990	DEF	AT base of salt	DEF	AT
13180 /13180	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
13450 /13450	DEF	AT floral flood	DEF	AT
13540 /13540	DEF	AT local marker floral decrease	DEF	AT
13570 /13570	DEF	AT floral flood	DEF	AT
13630 /13630	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
14030 /14030	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
14320 /14320	DEF	AT local marker floral decrease	DEF	AT
15220 /15220	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
15280 /15280	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
15340 /15340	DEF	AT local marker floral decrease	DEF	AT
15970 /15970	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
16030 /16030	DEF	AT local marker floral decrease	DEF	AT
16300 /16300	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
16390 /16390	DEF	AT floral flood	DEF	AT
16960 /16960	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
17050 /17050	DEF	AT local marker floral decrease	DEF	AT
18400 /18400	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
18880 /18880	DEF	AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF	AT
19450 /19450	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
20290 /20290	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 782 Date of Summary: 01-JUL-2006 First Sample Examined: 12985 Lease Number: G16648 Source of Paleo: OPERATOR **Borehole MD:** 25594 Well Name: 001 Paleo Done By: MITCH COVINGTON **Borehole TVD:** 25594 **API Well Number:** 608174109600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 72 Paleo Report Num: 1 of 1 **Sample Range:** 12985 - 25510 Water Depth: 6686 Public Info Code: Y 02-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
23140 /23140	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23560 /23560	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF AT
24250 /24250	DEF AT floral flood	DEF AT
25510 /25510	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 782 Date of Summary: 03-FEB-2007 First Sample Examined: 25540 Source of Paleo: OPERATOR Lease Number: G16648 **Borehole MD:** 27316 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 27311 **API Well Number:** 608174109601 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 72 Paleo Report Num: 1 of 2 Sample Range: 25540 - 27316 Water Depth: 6686 Public Info Code: Y 02-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Caterpillar Deep Prospect, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			Ecozone
25540 /25535	DEF	AT first sample examined	DEF	IN	4
25541 /25536	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4
25599 /25594	DEF	AT turbid water facies	POS	IN	4
25600 /25595	DEF	AT Middle Miocene (Serravallian) Gyroidina miocenica	POS	IN	4
25630 /25625	DEF	AT Bathysiphon fauna	POS	IN	4
25690 /25685	DEF	AT Eggerella sp. (local marker)	DEF	IN	4
25750 /25745	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
25780 /25775	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
25960 /25955	DEF	AT	DEF	IN	4
26110 /26105	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	IN	4
27060 /27055	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	AT	6
27090 /27085	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	6
27150 /27145	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	6
27180 /27175	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	6
27270 /27265	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	6
27316 /27311	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 782 Date of Summary: 07-FEB-2007 First Sample Examined: 23770 Lease Number: G16648 Source of Paleo: OPERATOR **Borehole MD:** 27316 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 27311 **API Well Number:** 608174109601 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 72 Paleo Report Num: 2 of 2 Sample Range: 23770 - 27300 Water Depth: 6686 Public Info Code: Y 02-JUL-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
23770 /23769 DEF	AT first sample examined	DEF	AT
24970 /24965 DEF	AT local marker floral increase	DEF	AT
25270 /25265 DEF	AT local marker floral decrease	DEF	AT
25600 /25595 DEF	AT local marker floral increase	DEF	AT
25720 /25715 DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
25960 /25955 DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
26760 /26755 DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
26880 /26875 DEF	AT local marker floral decrease	DEF	AT
26910 /26905 DEF	AT local marker floral increase	DEF	AT
26970 /26965 DEF	AT local marker floral decrease	DEF	AT
27030 /27025 DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
27120 /27115 DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
27150 /27145 DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
27180 /27175 DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
27210 /27205 POS	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
27300 /27295 DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 810 Date of Summary: 20-JAN-1997 First Sample Examined: 5770 Source of Paleo: OPERATOR Lease Number: G09873 **Borehole MD:** 20293 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 19829 **API Well Number:** 608174053100 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 81 Paleo Report Num: 1 of 1 **Sample Range:** 5770 - 20293 Water Depth: 3948 Public Info Code: Y 22-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		E	cozone
5770 / 5770	DEF	AT first sample examined	DEF	AT	
7120 / 7120	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT	6
7900 / 7900	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT	6
8410 / 8410	POS	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
8680 / 8680	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	IN	6
9130 / 9130	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	6
9280 / 9280	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	6
9399 / 9399	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	6
9400 / 9400	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	6
10090 /10090	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	6
10450 /10449	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
11230 /11227	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT	6
11470 /11467	POS	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
12370 /12367	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	IN	5
13560 /13557	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN	5
15420 /15380	POS	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	5
18090 /17811	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN	5
20293 /19828	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 04-FEB-2006 Area Block: MC 859 First Sample Examined: 9180 Lease Number: G16652 Source of Paleo: OPERATOR **Borehole MD:** 12075 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12075 **API Well Number:** 608174108000 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 **Sample Range:** 9180 - 12030 Water Depth: 5665 Public Info Code: Y 17-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for detai

MD/TVD	Paleo Top Description	Ecozone
9180 / 9180	DEF AT first sample examined	DEF AT
9300 / 9300	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF AT
9360 / 9360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9480 / 9480	DEF AT local marker floral decrease	DEF AT
9719 / 9719	DEF AT floral flood	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9780 / 9780	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9840 / 9840	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9960 / 9960	DEF AT local marker floral increase	DEF AT
10260 /10260	DEF AT local marker floral decrease	DEF AT
10440 /10440	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10500 /10500	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10620 /10620	DEF AT local marker floral decrease	DEF AT
10740 /10740	DEF AT local marker floral increase	DEF AT
10800 /10800	DEF AT local marker floral decrease	DEF AT
10860 /10860	DEF AT local marker floral increase	DEF AT
11160 /11160	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11340 /11340	DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF AT
11460 /11460	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11490 /11490	DEF AT local marker floral decrease	DEF AT
11520 /11520	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 859 Date of Summary: 04-FEB-2006 First Sample Examined: 9180 Source of Paleo: OPERATOR Lease Number: G16652 **Borehole MD:** 12075 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12075 **API Well Number:** 608174108000 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 **Sample Range:** 9180 - 12030 Water Depth: 5665 Public Info Code: Y 17-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD_		Paleo Top Description		Ecozone
11580 /11580	DEF	AT local marker floral decrease	DEF	AT
11760 /11760	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11879 /11879	DEF	AT floral flood	DEF	AT
11880 /11880	DEF	AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF	AT
11940 /11940	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT
12000 /12000	DEF	AT local marker floral decrease	DEF	AT
12030 /12030	DEF	AT floral flood	DEF	AT
12075 /12075	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 859 Date of Summary: 25-SEP-2006 First Sample Examined: 9180 Lease Number: G16652 Source of Paleo: OPERATOR **Borehole MD:** 12075 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 12075 **API Well Number:** 608174108000 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 **Sample Range:** 9180 - 12075 Water Depth: 5665 Public Info Code: Y 17-AUG-2006 Paleo ID: 002 Ecozone Eq MMS: Y

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ī	Ecozone
9180 / 9180	DEF	AT first sample examined	DEF	AT	5
9240 / 9240	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
9270 / 9270	DEF	AT foram flood	DEF	AT	5
9300 / 9300	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	5
9450 / 9450	DEF	AT local marker foram decrease	DEF	AT	5
9570 / 9570	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
9600 / 9600	DEF	AT local marker foram decrease	DEF	AT	5
9719 / 9719	DEF	AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF	AT	5
9720 / 9720	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
9780 / 9780	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	5
9839 / 9839	DEF	AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	5
9840 / 9840	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
9899 / 9899	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
9900 / 9900	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
10050 /10050	DEF	AT transported shelf fauna	DEF	AT	5
10110 /10110	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
10769 /10769	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
10770 /10770	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	5
10890 /10890	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
11100 /11100	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
11190 /11190	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
11310 /11310	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MC 859 Date of Summary: 25-SEP-2006 9180 Source of Paleo: OPERATOR Lease Number: G16652 **Borehole MD:** 12075 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 12075 **API Well Number:** 608174108000 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 **Sample Range:** 9180 - 12075 Water Depth: 5665 Public Info Code: Y 17-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
11669 /11669	DEF	AT transported shelf fauna	DEF A	Т 5
11670 /11670	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF A	Т 5
11760 /11760	DEF	AT local marker benthic foram increase	DEF A	Т 5
11910 /11910	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF A	Т 5
12000 /12000	DEF	AT local marker benthic foram increase	DEF A	Т 5
12030 /12030	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF A	Т 5
12075 /12075	DEF	AT last sample examined	DEF A	Т 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 935 Date of Summary: 03-MAR-1998 First Sample Examined: 6971 Source of Paleo: OPERATOR Lease Number: G07976 **Borehole MD:** 21961 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 20216 **API Well Number:** 608174050300 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 6971 - 21972 Water Depth: 3859 Public Info Code: Y 08-APR-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
6971 / 6971	DEF	AT first sample examined	DEF	AT
7380 / 7380	DEF	IN Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
8520 / 8520	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
10170 /10169	DEF	IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
10380 /10379	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
10500 /10499	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
10590 /10589	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
10800 /10799	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
11190 /11189	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
11970 /11969	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT
12570 /12569	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT
12870 /12869	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
13890 /13889	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT
15720 /15702	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
16890 /16739	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
19140 /18340	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT
20370 /19194	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
21962 /20217	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 935 Date of Summary: 25-MAR-1998 First Sample Examined: 7025 Lease Number: G07976 Source of Paleo: OPERATOR **Borehole MD:** 21961 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 20216 **API Well Number:** 608174050300 **Drilling Operator:** BP EXPLORATION & OIL INC **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 7025 - 21960 Water Depth: 3859 Public Info Code: Y 08-APR-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
7025 / 7025	DEF	AT first sample examined	POS	AT 4
7026 / 7026	DEF	AT cement	POS	AT 4
7140 / 7140	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	POS	AT 4
7170 / 7170	DEF	AT faunal change (no faunal increase)	DEF .	AT 4
10050 /10050	DEF	AT cement	POS	AT 4
10170 /10169	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	POS	AT 4
10380 /10379	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	POS	AT 4
10500 /10499	DEF	AT faunal change (no faunal increase)	POS	IN 4
10650 /10649	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	IN 4
10800 /10799	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	POS	IN 4
11190 /11189	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS	IN 4
11970 /11969	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS	IN 4
12870 /12869	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS	IN 4
13890 /13889	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	POS	IN 4
15600 /15586	DEF	AT cement	POS	IN 4
15720 /15702	DEF	IN Lower Pliocene (Zanclian) Globigerinoides mitra	POS	IN 4
17010 /16837	DEF	AT faunal change (no faunal increase)	DEF .	AT 5
19512 /18609	DEF	AT faunal change (no faunal increase)	POS	IN 4
21450 /19901	DEF	AT local marker planktic foram increase	POS	IN 4
21720 /20069	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	POS	IN 4
21960 /20216	DEF	AT last sample examined	DEF	IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

Remark: Makalu Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
7215 / 7215	DEF	AT first sample examined	DEF	AT
7216 / 7216	DEF	IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT
7280 / 7280	DEF	AT local marker floral decrease	DEF	AT
20040 /20039	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
20160 /20159	DEF	AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF	AT
20220 /20219	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT
20280 /20279	DEF	AT local marker floral decrease	DEF	AT
20460 /20459	DEF	AT local marker floral increase	DEF	AT
20481 /20480	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
20483 /20482	DEF	AT local marker floral decrease	DEF	AT
20676 /20675	POS	AT local marker floral increase	DEF	AT
20720 /20719	DEF	AT local marker floral increase	DEF	AT
20940 /20938	DEF	AT local marker floral decrease	DEF	AT
21000 /20998	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
21180 /21178	DEF	AT local marker floral decrease	DEF	AT
21270 /21268	DEF	AT local marker floral increase	DEF	AT
21300 /21298	DEF	AT local marker floral decrease	DEF	AT
21420 /21418	DEF	AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF	AT
21450 /21448	DEF	AT reworked material	DEF	AT
21533 /21531	DEF	AT local marker floral decrease	DEF	AT
21610 /21608	DEF	AT local marker floral increase	DEF	AT
21760 /21758	DEF	AT local marker floral decrease	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

		raied top bescription		ECOZOTIE
21790 /21788	DEF	AT local marker floral increase	DEF	AT
21850 /21848	DEF	AT local marker floral decrease	DEF	AT
21910 /21907	DEF	AT local marker floral increase	DEF	AT
22120 /22116	DEF	AT local marker floral increase	DEF	AT
22270 /22264	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF	AT
22330 /22323	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
22420 /22412	DEF	AT local marker floral decrease	DEF	AT
22660 /22644	DEF	AT local marker floral increase	DEF	AT
22750 /22730	DEF	AT local marker floral decrease	DEF	AT
22780 /22758	DEF	AT local marker floral increase	DEF	AT
22810 /22787	DEF	AT local marker floral decrease	DEF	AT
22990 /22957	DEF	AT local marker floral increase	DEF	AT
23140 /23100	DEF	AT local marker floral decrease	DEF	AT
23380 /23329	DEF	AT local marker floral increase	DEF	AT
23530 /23472	DEF	AT local marker floral decrease	DEF	AT
23590 /23529	DEF	AT reworked material	DEF	AT
24070 /23986	POS	AT local marker floral increase	DEF	AT
24130 /24043	DEF	AT local marker floral decrease	DEF	AT
24340 /24243	DEF	AT local marker floral increase	DEF	AT
24370 /24271	DEF	AT floral flood	DEF	AT
24430 /24328	DEF	AT local marker floral decrease	DEF	AT
24460 /24357	DEF	AT local marker floral increase	DEF	AT
24520 /24414	DEF	AT local marker floral decrease	DEF	AT
24700 /24585	DEF	AT local marker floral increase	DEF	AT

This report contains public paleo reports only for the time period stated

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Ecozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

					
24760	/24643	DEF	AT local marker floral decrease	DEF	AT
24820	/24700	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
25030	/24900	DEF	AT floral flood	DEF	AT
25060	/24929	DEF	AT local marker floral decrease	DEF	AT
25300	/25157	DEF	AT local marker floral increase	DEF	AT
25420	/25272	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
25540	/25387	DEF	AT local marker floral decrease	DEF	AT
25570	/25415	DEF	AT local marker floral increase	DEF	AT
26020	/25844	DEF	AT local marker floral decrease	DEF	AT
26260	/26072	DEF	AT local marker floral increase	DEF	AT
26320	/26129	DEF	AT local marker floral decrease	DEF	AT
26380	/26186	DEF	AT local marker floral increase	DEF	AT
26470	/26271	DEF	AT local marker floral decrease	DEF	AT
26500	/26300	DEF	AT local marker floral increase	DEF	AT
26680	/26470	DEF	AT local marker floral decrease	DEF	AT
26860	/26641	DEF	AT local marker floral increase	DEF	AT
27010	/26783	DEF	AT local marker floral decrease	DEF	AT
27040	/26812	DEF	AT local marker floral increase	DEF	AT
27510	/27258	DEF	AT local marker floral decrease	DEF	AT
27600	/27344	DEF	AT local marker floral increase	DEF	AT
27660	/27402	DEF	AT local marker floral decrease	DEF	AT
27810	/27545	DEF	AT local marker floral increase	DEF	AT
28110	/27832	DEF	AT local marker floral decrease	DEF	AT
28170	/27889	POS	AT local marker floral increase	DEF	AT

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MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 1 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 001

MD/1VD		Paleo Top Description		<u> Ecozone</u>
28380 /28089	DEF	AT local marker floral decrease	DEF	AT
28680 /28374	DEF	AT local marker floral increase	DEF	AT
28830 /28516	DEF	AT local marker floral decrease	DEF	AT
28860 /28544	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
28980 /28658	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
29070 /28743	DEF	AT local marker floral decrease	DEF	AT
29130 /28800	DEF	AT local marker floral increase	DEF	AT
29160 /28828	DEF	AT local marker floral decrease	DEF	AT
29220 /28885	DEF	AT local marker floral increase	DEF	AT
29310 /28969	DEF	AT local marker floral decrease	DEF	AT
29460 /29110	DEF	AT local marker floral increase	DEF	AT
29490 /29139	DEF	AT local marker floral decrease	DEF	AT
29700 /29336	DEF	AT local marker floral increase	DEF	AT
29790 /29421	DEF	AT local marker floral decrease	DEF	AT
29894 /29519	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Lease Number: G16659 Source of Paleo: OPERATOR **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Makalu Prospect

MD/TVD		Paleo Top Description		Ecozone
7215 / 7215	DEF	AT first sample examined	DEF	IN 4
7220 / 7220	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN 4
7230 / 7230	DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	IN 4
19950 /19949	DEF	AT base of salt	POS	IN 4
19979 /19978	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN 4
19980 /19979	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN 4
20010 /20009	DEF	AT local marker foram decrease	DEF	IN 4
20130 /20129	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN 4
20310 /20309	DEF	AT reworked material	DEF	IN 4
20340 /20339	DEF	AT Arenaceous fauna (local marker)	DEF	IN 4
20482 /20481	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN 4
20483 /20482	DEF	AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF	IN 4
20630 /20629	DEF	AT Bathysiphon fauna	DEF	IN 4
20750 /20749	DEF	AT local marker planktic foram increase	DEF	AT 6
20940 /20938	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT 6
20970 /20968	DEF	AT	DEF	IN 4
21060 /21058	DEF	AT	DEF	AT 6
21089 /21087	DEF	AT local white Arenacous fauna	DEF	AT 6
21090 /21088	DEF	AT Bathysiphon fauna	DEF	AT 6
21180 /21178	DEF	AT	DEF	IN 4
21300 /21298	DEF	AT drilling material	DEF	IN 4
21360 /21358	DEF	AT Arenaceous fauna (local marker)	DEF	IN 4

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/IV	שי	Paleo Top Description		ECO	zone
21510 /21	508 DEF	AT local marker foram decrease	DEF	IN	4
21580 /21	578 DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
21639 /21	637 DEF	AT pyrite	DEF	IN	4
21640 /21	638 DEF	AT foram flood	DEF	IN	4
21760 /21	758 DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT	4
21790 /21	788 DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
21820 /21	818 DEF	AT local marker foram decrease	DEF	AT	4
22120 /22	116 DEF	AT local marker benthic foram increase	DEF	IN	4
22180 /22	175 DEF	AT	DEF	AT	4
22210 /22	205 DEF	AT local marker foram decrease	DEF	AT	4
22240 /22	234 DEF	AT local marker foram increase	DEF	AT	4
22270 /22	264 DEF	AT local marker foram decrease	DEF	AT	4
22690 /22	673 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	6
22750 /22	730 DEF	AT local marker foram decrease	DEF	AT	4
22780 /22	758 DEF	AT local marker benthic foram increase	DEF	IN	4
22810 /22	787 DEF	AT pyrite	DEF	IN	4
22840 /22	815 DEF	AT local marker foram decrease	DEF	AT	4
22900 /22	872 DEF	AT local marker benthic foram increase	DEF	AT	4
23080 /23	043 DEF	AT pyrite	DEF	AT	4
23110 /23	071 DEF	AT local marker foram increase	DEF	AT	6
23170 /23	128 DEF	AT local marker foram decrease	DEF	IN	4
23290 /23	243 DEF	AT	DEF	AT	4
23350 /23	300 DEF	AT Bathysiphon fauna	DEF	IN	4
23380 /23	329 DEF	AT local marker planktic foram increase	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

MID/ IVD		Paleo Top Description		Ţ	<u> Ecozone</u>
23410 /23357	POS	AT local marker foram decrease	DEF	IN	4
23469 /23413	DEF	AT pyrite	DEF	IN	4
23470 /23414	DEF	AT local marker foram increase	DEF	IN	4
23560 /23500	DEF	AT Eggerella sp. (local marker)	DEF	IN	4
23590 /23529	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
23620 /23557	DEF	AT foram flood	DEF	IN	4
23680 /23614	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
23740 /23671	DEF	AT Bathysiphon fauna	DEF	IN	4
23890 /23814	DEF	AT Cyclammina sp. (local marker)	DEF	IN	4
23920 /23843	DEF	AT Bathysiphon fauna	DEF	IN	4
23980 /23900	DEF	AT foram flood	DEF	IN	4
24160 /24072	DEF	AT Bathysiphon fauna	DEF	AT	4
24250 /24157	DEF	AT Bathysiphon fauna	DEF	AT	4
24340 /24243	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	4
24580 /24471	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24610 /24500	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
24700 /24585	DEF	AT local marker foram increase	DEF	AT	6
24730 /24614	DEF	AT pyrite	DEF	IN	4
24790 /24671	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
24820 /24700	DEF	AT local marker foram increase	DEF	AT	6
24850 /24728	DEF	AT local marker foram decrease	DEF	IN	4
24970 /24843	DEF	AT	DEF	AT	4
25030 /24900	DEF	AT local white Arenacous fauna	DEF	IN	4
25180 /25043	DEF	AT Eggerella sp. (local marker)	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 002

<u> </u>	-	Paleo Top Description		트	cozone
25270 /25129	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4
25330 /25186	DEF	AT local marker foram decrease	DEF	IN	4
25540 /25387	DEF	AT Bathysiphon fauna	DEF	IN	4
25690 /25530	DEF	AT local marker foram decrease	DEF	IN	4
25720 /25558	DEF	AT	DEF	AT	4
25810 /25644	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
25840 /25673	DEF	AT foram flood	DEF	IN	4
25990 /25815	DEF	AT local marker foram decrease	DEF	IN	4
26140 /25958	DEF	AT	DEF	AT	4
26380 /26186	DEF	AT local marker foram increase	DEF	AT	4
26410 /26214	DEF	AT	DEF	IN	4
26470 /26271	DEF	AT local marker foram decrease	DEF	AT	4
26650 /26442	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
26680 /26470	DEF	AT Eggerella sp. (local marker)	DEF	AT	4
26740 /26527	DEF	AT local marker benthic foram increase	DEF	AT	4
26860 /26641	DEF	AT	DEF	IN	4
27070 /26840	DEF	AT	DEF	AT	6
27210 /26973	DEF	AT local marker foram decrease	DEF	IN	4
27330 /27087	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
27390 /27144	DEF	AT	DEF	AT	4
27420 /27173	DEF	AT local marker foram decrease	DEF	IN	4
27570 /27316	DEF	AT local marker planktic foram increase	DEF	AT	6
27630 /27373	DEF	AT Bathysiphon fauna	DEF	IN	4
27780 /27517	DEF	AT local marker foram decrease	DEF	AT	4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 937 Date of Summary: 27-APR-2005 First Sample Examined: 7215 Source of Paleo: OPERATOR Lease Number: G16659 **Borehole MD:** 29894 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29519 **API Well Number:** 608174105400 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 92 Paleo Report Num: 2 of 2 Sample Range: 7215 - 29894 Water Depth: 4181 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD		Paleo Top Description		E	cozone
27900 /27631	DEF	AT local marker planktic foram increase	DEF	AT	6
27960 /27689	DEF	AT	DEF	IN	4
27990 /27717	DEF	AT	DEF	AT	4
28290 /28003	DEF	AT	DEF	AT	4
28350 /28061	DEF	AT reworked material	DEF	IN	4
28620 /28317	DEF	AT local marker foram decrease	DEF	AT	4
28680 /28374	DEF	AT local marker planktic foram increase	DEF	IN	4
28770 /28459	DEF	AT local marker foram increase	DEF	AT	6
28950 /28630	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	6
28980 /28658	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
29040 /28715	DEF	AT foram flood	DEF	AT	6
29130 /28800	DEF	AT local marker foram decrease	DEF	IN	4
29220 /28885	DEF	AT local marker foram increase	DEF	AT	6
29310 /28969	DEF	AT local marker foram decrease	DEF	IN	4
29460 /29110	DEF	AT local marker foram increase	DEF	AT	6
29520 /29167	DEF	AT local marker foram decrease	DEF	AT	4
29580 /29223	DEF	AT local marker foram increase	DEF	IN	4
29640 /29280	DEF	AT local marker foram decrease	DEF	AT	4
29670 /29308	DEF	AT local marker foram increase	DEF	AT	6
29760 /29393	DEF	AT local marker foram decrease	DEF	IN	4
29850 /29478	DEF	AT local marker foram increase	DEF	IN	4
29894 /29519	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 988 Date of Summary: 03-JUL-2000 First Sample Examined: 6670 Source of Paleo: OPERATOR Lease Number: G15528 **Borehole MD:** 14136 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14125 **API Well Number:** 608174088100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 6670 - 21536 Water Depth: 4385 Public Info Code: Y 30-JUN-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: 8170=Globorotalia nepenthes increase

MD/TVD		Paleo Top Description		Eco	ozone
6670 / 6670	DEF	AT first sample examined	POS	AT	4
6671 / 6671	DEF	AT cement	POS	AT	4
6790 / 6790	DEF	AT local marker foram increase	DEF	AT	4
6970 / 6970	DEF	AT faunal change (no faunal increase)	DEF	IN	4
7000 / 7000	DEF	AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	4
7030 / 7030	DEF	AT faunal change (no faunal increase)	DEF	AT	4
7060 / 7060	DEF	AT local marker foram increase	DEF	IN	4
7300 / 7300	DEF	AT local marker foram increase	DEF	IN	4
7510 / 7510	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
7660 / 7660	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
7690 / 7690	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
7720 / 7720	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
7810 / 7810	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	4
7840 / 7840	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
7900 / 7900	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	4
8050 / 8050	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
8170 / 8170	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN	4
8320 / 8320	POS	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	4
8500 / 8500	DEF	AT local marker planktic foram increase	DEF	IN	4
8620 / 8620	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	4
8650 / 8650	DEF	AT local marker foram increase	DEF	IN	4
8980 / 8980	DEF	AT sample gap top	POS	IN	4

MD / TVD

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 988 Date of Summary: 03-JUL-2000 First Sample Examined: 6670 Source of Paleo: OPERATOR Lease Number: G15528 **Borehole MD:** 14136 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14125 **API Well Number:** 608174088100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 6670 - 21536 Water Depth: 4385 Public Info Code: Y 30-JUN-2005 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD_		Paleo Top Description		<u> </u>	cozone
16400 /	DEF	AT sample gap bottom	POS	IN	4
16410 /	DEF	AT Middle Eocene	POS	IN	4
16490 /	DEF	AT local marker foram increase	DEF	IN	4
16880 /	DEF	IN Upper Miocene (Tortonian) Robulus "E"	DEF	IN	4
16910 /	POS	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	4
16970 /	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
17060 /	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	4
17210 /	DEF	AT pyrite	DEF	IN	4
17450 /	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	4
18200 /	POS	AT pyrite	DEF	IN	4
18290 /	DEF	AT limestone	DEF	IN	4
18680 /	DEF	AT transported shelf fauna	POS	IN	4
18710 /	DEF	AT local marker planktic foram increase	POS	IN	4
18740 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
19039 /	DEF	AT limestone	DEF	IN	4
19040 /	DEF	AT local marker foram increase	DEF	IN	4
19280 /	DEF	AT turbid water facies	POS	IN	4
19340 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
19430 /	DEF	AT turbid water facies	POS	IN	4
19460 /	DEF	AT Arenaceous fauna (local marker)	POS	IN	4
19490 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
19500 /	DEF	AT sample gap top	POS	IN	4
19619 /	DEF	AT sample gap bottom	POS	IN	4
19620 /	DEF	AT turbid water facies	POS	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 988 Date of Summary: 03-JUL-2000 First Sample Examined: 6670 Source of Paleo: OPERATOR Lease Number: G15528 **Borehole MD:** 14136 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 14125 **API Well Number:** 608174088100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 6670 - 21536 4385 Water Depth: Public Info Code: Y 30-JUN-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD_		Paleo Top Description		E	cozone
19650 /	DEF	AT sand	DEF	IN	4
19890 /	POS	AT local marker foram increase	DEF	IN	4
20220 /	DEF	AT transported shelf fauna	POS	IN	4
20460 /	DEF	AT turbid water facies	POS	IN	4
20490 /	DEF	AT Arenaceous fauna (local marker)	POS	IN	4
20549 /	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	4
20550 /	DEF	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	IN	4
20580 /	DEF	AT turbid water facies	POS	IN	4
20730 /	POS	AT Arenaceous fauna (local marker)	POS	IN	4
21090 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
21120 /	DEF	AT local marker foram increase	DEF	IN	4
21300 /	DEF	AT faunal change (no faunal increase)	POS	IN	4
21536 /	DEF	AT last sample examined	POS	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 988 Date of Summary: 01-SEP-2001 First Sample Examined: 7670 Lease Number: G15528 Source of Paleo: OPERATOR **Borehole MD:** 14136 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 14125 **API Well Number:** 608174088100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 6670 - 21536 Water Depth: 4385 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa M Dunn, mixed assemblages found from 8410 to 8980, and from 16420 to 16640,

nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
6670 / 6670	DEF	AT first sample examined	DEF	AT
7030 / 7030	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "A"	DEF	AT
7210 / 7210	DEF	AT reworked material	DEF	AT
7510 / 7510	POS	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7540 / 7540	DEF	AT reworked material	DEF	AT
7554 / 7554	DEF	AT reworked material	DEF	AT
7660 / 7660	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7690 / 7690	DEF	IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
7750 / 7750	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
7780 / 7780	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
7840 / 7840	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
7900 / 7900	POS	IN Lower Pliocene (Zanclian) Discoaster challengeri	DEF	AT
7930 / 7930	DEF	IN Lower Pliocene (Zanclian) Discoaster challengeri	DEF	AT
8020 / 8020	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
8050 / 8050	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
8260 / 8260	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
8290 / 8290	DEF	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
8320 / 8320	DEF	IN Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
8350 / 8350	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
8410 / 8410	DEF	AT out-of-place section	DEF	AT
8500 / 8500	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 988 Date of Summary: 01-SEP-2001 First Sample Examined: 7670 Source of Paleo: OPERATOR Lease Number: G15528 **Borehole MD:** 14136 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 14125 **API Well Number:** 608174088100 **Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 6670 - 21536 Water Depth: 4385 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 002

		l died Top Description		LCOZOTIC
8560 / 8560	POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
8950 / 8950	DEF	AT sample gap top	DEF	- AT
8980 / 8980	DEF	AT salt	DEF	- AT
16369 /	DEF	AT base of salt	DEF	- AT
16370 /	DEF	AT reworked material	DEF	- AT
16400 /	DEF	AT reworked material	DEF	- AT
16420 /	DEF	AT out-of-place section	DEF	- AT
16500 /	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	- AT
16640 /	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17200 /	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	- AT
17930 /	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
18230 /	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	- AT
18560 /	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	- AT
18950 /	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	- AT
20820 /	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
21536 /	DEF	AT last sample examined	DEF	- AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 20-JUN-2000 First Sample Examined: 10400 Lease Number: G16670 Source of Paleo: OPERATOR **Borehole MD:** 21778 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21764 **API Well Number:** 608174085700 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 80 Paleo Report Num: 1 of 3 Sample Range: 10400 - 21720 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 20790=mixed Miocene, Oligocene and Eocene flora, nannospecies abundance and diversity chart available, see

report for details

MD/TVD		Paleo Top Description		Ecozone
10400 /10400	DEF	AT first sample examined	DEF	AT
10401 /10401	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
10430 /10430	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
10460 /10460	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
10520 /10520	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
10550 /10550	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
10551 /10551	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
10610 /10610	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
10611 /10611	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
10640 /10640	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
10670 /10670	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
10671 /10671	POS	AT Upper Eocene (Priabonian) Micrantholithus altus	DEF	AT
10700 /10700	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
10715 /10715	DEF	AT salt	DEF	AT
13759 /13756	DEF	AT base of salt	DEF	AT
13760 /13757	POS	IN Eocene	DEF	AT
13970 /13966	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
13971 /13967	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
14629 /14623	DEF	AT reworked material	DEF	AT
14630 /14624	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
15470 /15462	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT

MD / TVD

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Econo

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 20-JUN-2000 First Sample Examined: 10400 Source of Paleo: OPERATOR Lease Number: G16670 **Borehole MD:** 21778 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21764 **API Well Number:** 608174085700 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 1 of 3 Sample Range: 10400 - 21720 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 Paleo ID: **Ecozone Eq MMS:** 002

MD/ IVD		Paleo Top Description		<u>Ecozone</u>
15900 /15891	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
16470 /16461	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
16770 /16761	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17550 /17539	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17700 /17689	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
18000 /17989	POS	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
18600 /18588	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
18690 /18678	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
19500 /19488	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
20070 /20058	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
20610 /20598	DEF	IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
20611 /20599	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
20790 /20778	POS	AT gouge	DEF	AT
21719 /21706	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
21720 /21707	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 20-JUN-2000 First Sample Examined: 10400 Lease Number: G16670 Source of Paleo: OPERATOR **Borehole MD:** 21778 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21764 **API Well Number:** 608174085700 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 2 of 3 Sample Range: 10400 - 21778 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 Paleo ID: 003 **Ecozone Eq MMS:** Y

Remark:

MD/TVD		Paleo Top Description		E	cozone
10400 /10400	DEF	AT first sample examined	DEF	IN	4
10401 /10401	POS	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
10430 /10430	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	4
10490 /10490	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
10550 /10550	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	4
10580 /10580	POS	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	4
10620 /10620	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	4
10650 /10650	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	4
10680 /10680	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	IN	4
10710 /10710	DEF	AT Upper (Late) Eocene	DEF	IN	4
10715 /10715	DEF	AT salt	DEF	IN	4
13760 /13757	DEF	AT	DEF	IN	5
13779 /13776	DEF	AT foram flood	DEF	IN	4
13780 /13777	DEF	AT Eocene	DEF	IN	4
13850 /13847	DEF	AT local marker foram decrease	DEF	IN	4
13940 /13937	DEF	AT	DEF	AT	4
14030 /14026	POS	AT reworked material	DEF	AT	4
14120 /14116	DEF	AT sand	DEF	AT	4
14330 /14325	POS	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	4
14480 /14475	DEF	AT	DEF	AT	4
14870 /14863	DEF	AT	DEF	IN	3
15170 /15163	DEF	AT local marker foram increase	DEF	AT	4

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Ecozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 20-JUN-2000 First Sample Examined: 10400 Lease Number: G16670 Source of Paleo: OPERATOR **Borehole MD:** 21778 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 21764 **API Well Number:** 608174085700 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 2 of 3 Sample Range: 10400 - 21778 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 Paleo ID: **Ecozone Eq MMS:** Y 003

		raieo rop bescription			COZUNE
15260 /15253	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
15500 /15492	DEF	AT	DEF	AT	4
15630 /15622	DEF	AT	DEF	IN	4
15870 /15861	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	4
16140 /16131	POS	AT Upper Miocene (Messinian) Textularia "X"	DEF	IN	4
16290 /16281	DEF	AT	DEF	AT	4
16380 /16371	DEF	AT	DEF	IN	4
16560 /16551	DEF	AT	DEF	AT	4
16680 /16671	POS	IN Upper Miocene (Messinian) Textularia "X"	DEF	AT	4
16800 /16791	DEF	AT local marker foram increase	DEF	IN	4
16860 /16851	DEF	AT	DEF	AT	4
17160 /17150	DEF	AT local white Arenacous fauna	DEF	AT	4
17190 /17180	DEF	AT local marker foram increase	DEF	IN	4
17790 /17779	DEF	AT	DEF	AT	4
18000 /17989	DEF	AT local marker foram decrease	DEF	IN	3
18030 /18018	DEF	AT Arenaceous fauna (local marker)	DEF	IN	3
18360 /18348	DEF	AT	DEF	AT	4
18570 /18558	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	4
18840 /18828	POS	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
19050 /19038	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
19260 /19248	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
19949 /19937	DEF	AT reworked material	DEF	AT	4
19950 /19938	POS	AT Eocene	DEF	AT	4
20070 /20058	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 20-JUN-2000 First Sample Examined: 10400 Lease Number: G16670 Source of Paleo: OPERATOR **Borehole MD:** 21778 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 21764 **API Well Number:** 608174085700 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 2 of 3 **Sample Range:** 10400 - 21778 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 Paleo ID: **Ecozone Eq MMS:** Y 003

MD/TVD		Paleo Top Description			Ecozone
20280 /20268	DEF	AT	DEF	IN	4
20550 /20538	POS	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	IN	4
20820 /20808	DEF	AT sand	DEF	IN	4
20939 /20927	DEF	AT reworked material	DEF	IN	4
20940 /20928	DEF	AT Eocene	DEF	IN	4
21270 /21258	POS	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	IN	4
21540 /21528	DEF	IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	4
21570 /21558	DEF	AT local marker foram increase	DEF	IN	4
21710 /21697	DEF	AT local marker foram decrease	DEF	IN	4
21720 /21707	POS	IN Oligocene	DEF	IN	4
21735 /21722	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	IN	4
21750 /21737	POS	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	4
21778 /21765	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 31-JUL-2000 First Sample Examined: 10400 Lease Number: G16670 Source of Paleo: OPERATOR **Borehole MD:** 21778 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21764 **API Well Number:** 608174085700 **Drilling Operator: CHEVRON USA INC Rkb Elevation:** 80 Paleo Report Num: 3 of 3 Sample Range: 10400 - 21778 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, 20740=mix pf Miocene/Oligocene/Eocene nannos, nannospecies abundance and diversity chart

available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10400 /10400	DEF	AT first sample examined	DEF	AT
10401 /10401	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
10430 /10430	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
10460 /10460	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
10520 /10520	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
10550 /10550	DEF	IN Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
10551 /10551	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
10610 /10610	DEF	IN Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
10611 /10611	DEF	IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
10640 /10640	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
10641 /10641	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT
10670 /10670	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT
10700 /10700	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
10715 /10715	DEF	AT salt	DEF	AT
13767 /13764	DEF	AT base of salt	DEF	AT
13970 /13966	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
13971 /13967	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
15290 /15282	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT
15470 /15462	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
15900 /15891	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
16470 /16461	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT

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Fcozone

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MC 1002 Date of Summary: 31-JUL-2000 First Sample Examined: 10400 Source of Paleo: OPERATOR Lease Number: G16670 **Borehole MD:** 21778 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 21764 **API Well Number:** 608174085700 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 3 of 3 Sample Range: 10400 - 21778 Water Depth: 7416 Public Info Code: Y 14-JUL-2005 Paleo ID: **Ecozone Eq MMS:** 001

IVID/ I VD		<u>Faleo Top Description</u>		<u>EC02011e</u>
16770 /16761	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17550 /17539	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
17700 /17689	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
18600 /18588	DEF	IN Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT
18690 /18678	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
19500 /19488	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
20069 /20057	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT
20070 /20058	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
20310 /20298	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT
20550 /20538	DEF	IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT
20610 /20598	DEF	IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
20611 /20599	DEF	IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
20740 /20728	POS	AT gouge	DEF	AT
21540 /21528	DEF	IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT
21720 /21707	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
21778 /21765	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MI 586 Date of Summary: 14-FEB-1996 5292 Source of Paleo: OPERATOR Lease Number: G14791 **Borehole MD:** 11316 Paleo Done By: PALEO CONTROL INC. Well Name: 001 **Borehole TVD:** 7500 **API Well Number:** 427034049000 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 **Sample Range:** 5292 - 11340 Water Depth: 85 Public Info Code: Y 16-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark:

MD/TVD	<u> </u>	Paleo Top Description		Ecozone
5292 / 392	1 DEF	AT first sample examined	DEF	AT
6030 / 435	6 DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
6299 / 451	7 POS	AT unconformity	DEF	AT
6300 / 451	7 DEF	AT local marker planktic foram increase	DEF	AT
7920 / 547	2 DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT
10350 / 692	1 DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT
11340 /	DEF	AT last sample examined	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MI 618	Date of Summary: 07-FEB-1996	First Sample Examined:	0
Lease Number: G07201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8230
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD:	7984
API Well Number: 427034049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation:	122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	93

Remark:

Public Info Code: Y 10-JAN-2006

MD/TVD	Paleo Top Description	Ecozone
5750 / 5736	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6790 / 6672	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MI 622 Date of Summary: 13-AUG-1996

First Sample Examined: 0 **Borehole MD:** 16176

Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G05000

Paleo Done By: OPERATOR **Borehole TVD:**

API Well Number: 427034048400 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY

Rkb Elevation: 106

Paleo Report Num: 1 of 1 Sample Range: Water Depth: 0 - 0 86 Public Info Code: Y 21-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

Well Name: D001

MD/TVD	Paleo Top Description	Ecozone
12955 /12950	DEF IN Lower Miocene (Aquitanian) Siphonina davisi	DEF AT
16080 /15537	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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Borehole MD:

Borehole TVD:

Water Depth:

0

13535

12994

86

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MI 622 Date of Summary: 09-OCT-1997 First Sample Examined:

Lease Number: G05000 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: D002 Paleo Done By: OPERATOR

API Well Number: 427034050200 Drilling Operator: BP AMERICA PRODUCTION COMPANY Rkb Elevation: 110

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 10-MAY-2007 Ecozone Eq MMS: Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone

11070 /10889 DEF AT Lower Miocene (Aquitanian) Siphonina davisi DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:MI633Date of Summary:21-FEB-1997First Sample Examined:0Lease Number:G06042Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:8193Well Name:B002Paleo Done By:OPERATORBorehole TVD:5693PI Well Number:427034050600Drilling Operator:EOG RESOURCES INCRkb Elevation:123

API Well Number: 427034050600 Drilling Operator: EOG RESOURCES INC Rkb Elevation: 123
Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 72

Public Info Code: Y 19-FEB-2007 Ecozone Eq MMS: Paleo ID:

Remark:

MD / TVD Paleo Top Description Ecozone

6388 / 5693 DEF AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MI 633 Date of Summary: 02-JUL-1997
Lease Number: G06042 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: B003 Paleo Done By: OPERATOR

API Well Number: 427034051000 Drilling Operator: EOG RESOURCES INC

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 23-APR-2007 Ecozone Eq MMS:

First Sample Examined: 0
Borehole MD: 8970
Borehole TVD: 5694
Rkb Elevation: 133

Water Depth: 72

Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone

6850 / 5686 DEF AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MI 635 Date of Summary: 21-OCT-1997 First Sample Examined:

Lease Number: G03088 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 14078 **Borehole TVD:** 13486

Paleo Done By: OPERATOR Well Name: F002

API Well Number: 427034051100 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 110

Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 89

Public Info Code: Y 12-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Lower Miocene (Aquitanian) Siphonina davisi DEF AT 13620 /13028

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First Sample Examined:

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

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0

15655

15608

105

85

001

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MI 635 Date of Summary: 11-SEP-1995

Lease Number: G06043 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Mall Name - 5004

Well Name: F001 Paleo Done By: OPERATOR

API Well Number: 427034048800 Drilling Operator: BP AMERICA PRODUCTION COMPANY

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 16-AUG-2005 Ecozone Eq MMS:

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13175 /13158	DEF IN Lower Miocene (Aquitanian) Siphonina davisi	DEF AT
15250 /15218	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MI 672 Date of Summary: 16-DEC-1999 First Sample Examined: 0 Lease Number: G10198 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9549 Paleo Done By: OPERATOR Well Name: B006 **Borehole TVD:** 7261 **API Well Number:** 427034052500 **Drilling Operator: HOUSTON EXPLORATION COMPANY Rkb Elevation:** 135 Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 125 Public Info Code: Y 14-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone

8054 / 7186 DEF AT Lower Miocene (Burdigalian) Robulus 54B DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MI 710 Date of Summary: 17-JUL-2001

First Sample Examined: 0

Lease Number: G22185 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Borehole MD: 10893

Well Name: 001 **API Well Number:** 427034053300

Paleo Done By: OPERATOR

Drilling Operator: CALLON PETROLEUM OPERATING COMPANY

Borehole TVD: 10430 Rkb Elevation: 95

Paleo Report Num: 1 of 1

Sample Range: 0 - 0

Rkb Elevation: 95
Water Depth: 147

Public Info Code: Y 30-NOV-2005

Ecozone Eq MMS:

Paleo ID: 001

Remark: In=sand

MD/TVD

Paleo Top Description

Ecozone

9450 / 9330

DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MO 819 Date of Summary: 20-JAN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G10920 **Borehole MD:** 21985 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 21985 **API Well Number:** 608154010100 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 93 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 55 Public Info Code: Y 14-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: 17930=base of the Knowles Limestone

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3790 /	DEF AT limestone	DEF AT
6720 /	DEF AT Upper (Late) Cretaceous	DEF AT
9110 /	DEF AT Lower (Early) Cretaceous	DEF AT
12095 /	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
17930 /	DEF AT local marker (general)	DEF AT
21774 /	DEF IN Jurassic Norphlet Formation	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MO 869	Date of Summary: 03-FEB-1997	First Sample Examined:	0
Lease Number: G06848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	22090
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD:	21818
API Well Number: 608154009900	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	45
Public Info Code: Y 11-DEC-2006	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
19888 /19686	DEF IN Jurassic Haynesville Formation	DEF AT 0
21794 /21522	DEF IN Jurassic Norphlet Formation	DEF AT 0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MO 904 Date of Summary: 19-DEC-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G05749 **Borehole MD:** 22457 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 22110 **API Well Number:** 608154009800 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 97 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 60 Public Info Code: Y 18-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17590 /17455	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT 0
20980 /20691	DEF AT Jurassic Haynesville Formation	DEF AT 0
21302 /20998	DEF AT Jurassic Smackover Formation	DEF AT 0
22436 /22090	DEF IN Jurassic Norphlet Formation	DEF AT 0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MO 961 Date of Summary: 23-AUG-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G05761 **Borehole MD:** 22889 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 22885 **API Well Number:** 608154008600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 97 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 66 Public Info Code: Y 02-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

_	MD/TVD		Paleo Top Description		Ecozone
	6030 / 6029	DEF	AT Upper Cretaceous Selma Chalk (or Group)	DEF	AT
	13361 /13360	DEF	AT Lower Cretaceous Ferry Lake Anhydrite	DEF	AT
	20619 /20616	DEF	AT Jurassic Haynesville Formation	DEF	AT
	21170 /21167	DEF	AT Jurassic Smackover Formation	DEF	AT
	22381 /22377	DEF	IN Jurassic Norphlet Formation	DEF	AT
	22925 /	DEF	AT Jurassic Louann Salt	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MO 991 Date of Summary: 09-OCT-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15403 **Borehole MD:** 15400 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 15398 **API Well Number:** 608154010000 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 81 0 - 0 Paleo Report Num: 1 of 2 Sample Range: Water Depth: 82 Public Info Code: Y 18-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
4904 / 4903	DEF	AT Upper Oligocene (Chattian) Heterostegina texana	DEF	AT
7936 / 7935	DEF	AT Upper (Late) Cretaceous	DEF	AT
10074 /10073	DEF	AT Lower (Early) Cretaceous	DEF	AT
15040 /15038	DEF	AT Lower Cretaceous James Formation	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MO 991	Date of Summary: 17-FEB-2001	First Sample Examined: 14400
Lease Number: G15403	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15398
API Well Number: 608154010000	Drilling Operator: CHEVRON USAINC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 14400 - 15400	Water Depth: 82
Public Info Code: Y 18-SEP-2006	Ecozone Ea MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 15300=in Nannoconus bucheri, 15360=Nannoconus increase

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14400 /14398	DEF AT first sample examined	DEF AT
15300 /15298	POS IN Lower Cretaceous Aptian Stage	DEF AT
15360 /15358	POS AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
15400 /15398	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 37	Date of Summary: 26-AUG-1996	First Sample Examined: 9960
Lease Number: G01295	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 9690
API Well Number: 177254061700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9000 - 12600	Water Depth: 50
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID : 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecoz	<u>zone</u>
9000 / 7481	DEF AT first sample examined	DEF AT	
9030 / 7498	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT	
9960 / 8059	DEF AT	DEF AT	2
10500 / 8391	DEF AT	DEF AT	3
10700 / 8512	DEF AT	DEF AT	4
10980 / 8679	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT	4
11760 / 9156	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT	4
12600 /	DEF AT last sample examined	DEF AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 72	Date of Summary: 07-FEB-1995	First Sample Examined:	0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	7820
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD:	7240
API Well Number: 177254024201	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	140
Public Info Code: Y 08-FEB-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
5380 / 5311	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6146	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6741	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 72	Date of Summary: 20-APR-1995	First Sample Examined:	0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8914
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD:	8268
API Well Number: 177254024202	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	140
Public Info Code: Y 20-FFR-2005	Fcozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5280 / 5229	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6140	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6743	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 72 Date of Summary: 11-JAN-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G03417 **Borehole MD:** 8963 Paleo Done By: OPERATOR Well Name: C022 **Borehole TVD:** 8719 **API Well Number:** 177254059300 **Drilling Operator: MOBIL EXPLORATION AND PRODUCIN Rkb Elevation:** 120 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 137 Public Info Code: Y 25-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
5090 / 4947	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5660 / 5512	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
5990 / 5842	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6732 / 6584	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7232 / 7083	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 73 Date of Summary: 22-JAN-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02947 **Borehole MD:** 14545 Well Name: A005 Paleo Done By: OPERATOR **Borehole TVD:** 9138 **API Well Number: 177254015601** Drilling Operator: MOBIL OIL EXPLORATION & PRODUC **Rkb Elevation:** 121 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 140 Public Info Code: Y 27-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11680 / 8486	POS AT Cyclammina sp. (local marker)	DEF AT
13420 / 8942	DEF AT Arenaceous fauna (local marker)	DEF AT
13450 / 8946	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
13680 / 8979	DEF AT local marker (general)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 73	Date of Summary: 06-SEP-1996	First Sample Examined:	0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11590
Well Name: A017	Paleo Done By: OPERATOR	Borehole TVD:	7457
API Well Number: 177254024502	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	140
Public Info Code: Y 09-SEP-2006	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8260 / 5815	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
8380 / 5899	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 / 6664	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 91 First Sample Examined: Date of Summary: 11-JUN-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14576 **Borehole MD:** 7605 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 7605 **API Well Number:** 177254060600 **Drilling Operator: PETSEC ENERGY INC Rkb Elevation:** 95 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 37

Remark: In=sand

Public Info Code: Y 29-DEC-2005

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4436 /	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4881 /	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 91 Date of Summary: 05-NOV-1996 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14576 **Borehole MD:** 9221 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 8736 **API Well Number:** 177254062200 **Drilling Operator: PETSEC ENERGY INC Rkb Elevation:** 109 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 35 Public Info Code: Y 03-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4823 / 4449	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5328 / 4896	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8586 / 8100	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 91 First Sample Examined: Date of Summary: 30-DEC-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14576 **Borehole MD:** 9472 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 8762 **API Well Number:** 177254065000 **Drilling Operator: PETSEC ENERGY INC Rkb Elevation:** 109 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 35 Public Info Code: Y 07-DEC-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3235 / 3235	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
4478 / 4474	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4924 / 4898	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8817 / 8118	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 91 Date of Summary: 18-MAR-1996 First Sample Examined: 0 Lease Number: G14576 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7406 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 7319 **API Well Number:** 177254060800 **Drilling Operator: PETSEC ENERGY INC Rkb Elevation:** 85 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 38 Public Info Code: Y 17-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
4509 / 4426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4974 / 4887	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 92 Date of Summary: 12-NOV-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G01500 **Borehole MD:** 8100 Paleo Done By: OPERATOR Well Name: 012 **Borehole TVD:** 8100 **API Well Number:** 177254062400 **Drilling Operator:** EL PASO PRODUCTION GOM INC **Rkb Elevation:** 93 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 40

Public Info Code: Y 30-JUL-2006

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9990 /	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11230 /	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 93 Date of Summary: 01-NOV-1999 First Sample Examined: 0 Lease Number: G19855 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 5720 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 5720 **API Well Number:** 177254067200 **Drilling Operator:** APACHE CORPORATION **Rkb Elevation:** 89 Water Depth: 40

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 17-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone** DEF AT Upper Miocene (Tortonian) Discorbis 12 DEF AT 4440 / 4440

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 104	Date of Summary: 12-MAY-1998	First Sample Examined:	0
Lease Number: G13960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	9000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	6821
API Well Number: 177254063800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation:	91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	48
Public Info Code: Y 17-SEP-2007	Facozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3160 / 2645	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4798 / 3395	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
6886 / 4719	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7282 / 5104	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 104	Date of Summary: 18-MAY-2001	First Sample Examined:	0
Lease Number: G19857	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10248
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	6430
API Well Number: 177254063801	Drilling Operator: APACHE CORPORATION	Rkb Elevation:	118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	48
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5960 / 4012	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10097 / 6328	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 120 Date of Summary: 26-AUG-1996 First Sample Examined: 2910 Source of Paleo: OPERATOR Lease Number: G03197 **Borehole MD:** 14210 Paleo Done By: OPERATOR Well Name: CE001 **Borehole TVD:** 14210 **API Well Number: 177254061100** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 2910 - 14212 Water Depth: 110 Public Info Code: Y 30-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		E	cozone
2910 / 2910	DEF	AT first sample examined	DEF	AT	2
3030 / 3030	DEF	AT	DEF	AT	1
3510 / 3510	DEF	AT	DEF	AT	2
4110 / 4110	DEF	AT	DEF	AT	1
4350 / 4350	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	1
4950 / 4950	DEF	AT	DEF	AT	3
5190 / 5190	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	3
5340 / 5340	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	3
5820 / 5820	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	3
5910 / 5910	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	3
6300 / 6299	DEF	AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT	3
6810 / 6809	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	3
7020 / 7019	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	3
8490 / 8489	DEF	AT	DEF	AT	0
8610 / 8609	DEF	AT	DEF	AT	1
9750 / 9748	DEF	IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	1
9780 / 9778	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	0
10020 /10018	DEF	AT	DEF	AT	2
10650 /10647	DEF	AT	DEF	AT	5
10680 /10677	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
10980 /10977	DEF	AT	DEF	AT	4
11340 /11337	DEF	AT	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 120 Date of Summary: 26-AUG-1996 2910 Source of Paleo: OPERATOR Lease Number: G03197 **Borehole MD:** 14210 Paleo Done By: OPERATOR Well Name: CE001 **Borehole TVD:** 14210 **API Well Number: 177254061100** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 2910 - 14212 Water Depth: 110 Public Info Code: Y 30-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD	Paleo Top Description		Ec	ozone
11430 /11427 DEF	IN Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	5
11520 /11517 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
12510 /12506 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
12690 /12686 DEF	AT	DEF	AT	4
12780 /12776 DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	4
14010 /14005 DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	4
14212 / DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 139	Date of Summary: 26-SEP-2000	First Sample Examined:	0
Lease Number: G13653	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11515
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	6630
API Well Number: 177254061000	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	113
Public Info Code: Y 29-MAR-2006	Fcozone Fa MMS:	Paleo ID:	001

Remark:

MD.	/TVD		Paleo Top Description		Ecozone	
1830	/ 1830	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	
2010	/ 2010	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	
2630	/ 2630	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	
4290	/ 4238	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	
4860	/ 4628	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	
6260	/ 5112	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	
11230	/ 6534	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	

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Borehole TVD:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 140 Date of Summary: 19-JUN-1997 First Sample Examined: 0 Lease Number: G02193 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7520

Well Name: B002 Paleo Done By: OPERATOR

API Well Number: 177254007902 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 115 170

Paleo Report Num: 1 of 2 Sample Range: 0 - 0 Water Depth:

Public Info Code: Y 03-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Upper Miocene (Messinian) Textularia "X" DEF AT 6439 / 5638

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Borehole TVD:

Water Depth:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:MP140Date of Summary:19-JUN-1997First Sample Examined:Lease Number:G02193Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:

Well Name: B002 Paleo Done By: OPERATOR

API Well Number: 177254007902 Drilling Operator: BP AMERICA PRODUCTION COMPANY Rkb Elevation: 115

Paleo Report Num: 2 of 2 Sample Range: 0 - 0

Public Info Code: Y 03-JUN-2007 Ecozone Eq MMS: Paleo ID: 002

Remark:

MD/TVD Paleo Top Description Ecozone

7176 / 6369 DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 144 Date of Summary: 24-AUG-1995 First Sample Examined: 4980 Source of Paleo: OPERATOR Lease Number: G01634 **Borehole MD:** 10300 Paleo Done By: OPERATOR Well Name: BA007 **Borehole TVD:** 8308 **API Well Number: 177254058400** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 109 Paleo Report Num: 1 of 1 **Sample Range:** 4980 - 10300 Water Depth: 200 Public Info Code: Y 26-FEB-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/1	TVD		Paleo Top Description		Ec	ozone
4980 /	4325	DEF	AT first sample examined	POS	AT	1
4981 /	4326	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	POS	AT	1
5010 /	4347	DEF	AT	DEF	AT	1
5100 /	4415	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	1
5340 /	4596	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	1
5370 /	4618	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	1
6660 /	5606	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	1
7200 /	6022	DEF	AT	DEF	AT	2
7620 /	6345	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	2
8370 /	6915	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	2
10300 /	8304	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 178 Date of Summary: 03-MAR-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G18105 **Borehole MD:** 9635 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9311 **API Well Number:** 177244080900 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 151 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

 MD/TVD_		Paleo Top Description		Ecozone
5040 / 5040	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT
5100 / 5100	DEF	AT local marker (general)	DEF	AT
5130 / 5130	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT
5940 / 5940	DEF	AT local marker (general)	DEF	AT
6750 / 6749	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-SEP-1999 First Sample Examined: 7600 Source of Paleo: OPERATOR Lease Number: G18105 **Borehole MD:** 10655 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 003 **Borehole TVD:** 8750 **API Well Number:** 177244084500 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 7600 - 10655 Water Depth: 151 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
7600 / 6403	DEF	AT first sample examined	POS	AT	3
7601 / 6404	POS	IN Upper Miocene (Tortonian) Textularia "L"	POS	AT	3
7720 / 6494	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	POS	AT	3
7840 / 6586	DEF	AT	DEF	IN	2
7960 / 6677	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
8320 / 6950	DEF	AT sand	DEF	AT	3
8440 / 7040	DEF	AT	DEF	IN	3
8530 / 7108	DEF	AT Eggerella sp. (local marker)	POS	AT	4
8710 / 7246	DEF	AT	DEF	IN	3
8770 / 7292	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	3
8830 / 7339	DEF	AT sand	DEF	IN	3
8950 / 7430	DEF	AT sand	DEF	IN	3
9010 / 7476	POS	AT local marker (general)	DEF	IN	3
9070 / 7521	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	4
9160 / 7590	DEF	AT cement	DEF	AT	4
9250 / 7658	DEF	AT Eggerella sp. (local marker)	DEF	AT	4
9370 / 7749	DEF	AT sand	DEF	AT	4
9490 / 7839	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
9670 / 7976	DEF	AT pyrite	DEF	AT	4
9730 / 8023	DEF	AT Eggerella 3 (local marker)	DEF	AT	4
9820 / 8093	DEF	AT Eggerella 3 (local marker)	DEF	AT	4
9880 / 8140	DEF	AT sand	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-SEP-1999 First Sample Examined: 7600 Source of Paleo: OPERATOR Lease Number: G18105 **Borehole MD:** 10655 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 003 **Borehole TVD:** 8750 **API Well Number:** 177244084500 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 85 Paleo Report Num: 1 of 2 **Sample Range:** 7600 - 10655 Water Depth: 151 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
9940 / 8187	DEF	AT Arenaceous fauna (local marker)	DEF A	T 4
10000 / 8234	DEF	AT Arenaceous fauna (local marker)	DEF A	T 4
10059 / 8280	DEF	AT pyrite	DEF A	T 4
10060 / 8281	DEF	AT Arenaceous fauna (local marker)	DEF A	T 4
10090 / 8304	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	T 4
10450 / 8587	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF A	T 4
10510 / 8635	DEF	AT sand	DEF A	T 4
10655 / 8750	DEF	AT last sample examined	DEF A	T 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-SEP-1999 First Sample Examined: 9160 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 10655 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 003 **Borehole TVD:** 8750 **API Well Number:** 177244084500 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 9160 - 10665 Water Depth: 151 Public Info Code: Y 30-APR-2007 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD_		Paleo Top Description		<u>Ecozone</u>
9160 / 7590	DEF	AT first sample examined	DEF	AT
9161 / 7591	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF	AT
9730 / 8023	DEF	AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF	AT
10030 / 8257	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
10060 / 8281	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
10061 / 8281	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	AT
10150 / 8351	DEF	AT reworked material	DEF	AT
10151 / 8352	POS	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
10330 / 8493	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF	AT
10450 / 8587	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
10570 / 8683	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
10630 / 8730	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-APR-1998 First Sample Examined: 7710 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 12000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A001 **Borehole TVD:** 11974 **API Well Number:** 177244081300 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 **Sample Range:** 7710 - 12000 Water Depth: 147 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
7710 / 7709	DEF	AT first sample examined	DEF	AT	4
7711 / 7710	DEF	AT local marker deep water fauna	DEF	AT	4
7770 / 7769	DEF	AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF	AT	4
8010 / 8009	DEF	AT faunal change (no faunal increase)	DEF	AT	3
8310 / 8309	DEF	AT faunal change (no faunal increase)	POS	AT	3
8610 / 8609	DEF	AT Eggerella 3 (local marker)	POS	AT	3
8670 / 8669	DEF	AT drilling material	POS	AT	3
8970 / 8969	DEF	AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF	AT	4
8971 / 8970	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
9090 / 9087	DEF	AT Eggerella sp. (local marker)	DEF	AT	4
9150 / 9145	DEF	AT drilling material	DEF	AT	4
9240 / 9232	DEF	AT faunal change (no faunal increase)	POS	AT	4
10230 /10204	DEF	AT faunal change (no faunal increase)	DEF	AT	3
10380 /10354	DEF	AT local marker benthic foram increase	DEF	AT	4
10440 /10414	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	4
10470 /10444	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	4
10650 /10624	DEF	AT local marker benthic foram increase	DEF	AT	4
10710 /10684	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
10770 /10744	DEF	AT Cyclammina sp. (local marker)	DEF	AT	4
10860 /10834	DEF	AT local marker benthic foram increase	DEF	AT	4
10890 /10864	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
11130 /11104	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-APR-1998 First Sample Examined: 7710 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 12000 Well Name: A001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 11974 **API Well Number:** 177244081300 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 **Sample Range:** 7710 - 12000 Water Depth: 147 Public Info Code: Y 30-APR-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Ē	<u>Ecozone</u>
11370 /11344	DEF	AT local marker foram increase	DEF	AT	5
11400 /11374	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
11460 /11434	DEF	AT local marker benthic foram increase	DEF	AT	5
11580 /11554	DEF	AT Eggerella sp. (local marker)	DEF	AT	5
11640 /11614	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	5
11670 /11644	DEF	AT local marker benthic foram increase	DEF	AT	5
11730 /11704	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
11790 /11764	DEF	AT local marker planktic foram increase	DEF	AT	5
11849 /11823	POS	AT unconformity	DEF	AT	5
11850 /11824	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
11910 /11884	DEF	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	AT	5
11940 /11914	DEF	AT local marker planktic foram increase	DEF	AT	5
12000 /11974	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-APR-1998 First Sample Examined: 7710 Source of Paleo: OPERATOR Lease Number: G18105 **Borehole MD:** 12000 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A001 **Borehole TVD:** 11974 **API Well Number:** 177244081300 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 7710 - 12000 Water Depth: 147 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
7710 / 7709	DEF	AT first sample examined	DEF	AT
7711 / 7710	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF	AT
7950 / 7949	DEF	AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF	AT
8970 / 8969	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
9030 / 9028	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	AT
9450 / 9437	DEF	AT reworked material	DEF	AT
9930 / 9906	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF	AT
10290 /10264	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT
10410 /10384	DEF	AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF	AT
10470 /10444	DEF	AT reworked material	DEF	AT
10529 /10503	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
10530 /10504	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
10650 /10624	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
11130 /11104	DEF	IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
11310 /11284	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT
11430 /11404	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
11790 /11764	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
11969 /11943	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
11970 /11944	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
12000 /11974	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-NOV-1999 First Sample Examined: 9760 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 10332 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A002 **Borehole TVD:** 9504 **API Well Number:** 177244084700 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 99 Paleo Report Num: 1 of 2 **Sample Range:** 9760 - 14792 Water Depth: 151 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
9760 / 8995	DEF	AT first sample examined	POS	AT	4
9761 / 8996	DEF	AT cement	POS	AT	4
9820 / 9048	DEF	AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF	AT	4
9910 / 9128	DEF	AT pyrite	POS	AT	4
10270 / 9449	DEF	AT pyrite	POS	AT	4
10390 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	4
10450 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
10540 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
10690 /	DEF	AT pyrite	DEF	AT	4
10750 /	DEF	AT faunal change (no faunal increase)	POS	AT	4
10780 /	DEF	AT pyrite	POS	AT	4
11140 /	DEF	AT sand	POS	IN	3
11380 /	DEF	AT local marker benthic foram increase	POS	IN	3
11500 /	DEF	AT pyrite	POS	IN	3
11560 /	DEF	AT pyrite	POS	IN	3
11710 /	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
11740 /	DEF	IN Middle Miocene (Serravallian) Textularia "W"	DEF	IN	4
11770 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
11830 /	DEF	AT sand	DEF	AT	4
11920 /	DEF	AT local marker foram increase	DEF	AT	4
11980 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
12070 /	DEF	AT faunal change (no faunal increase)	DEF	AT	4

MD / TVD

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Econo

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-NOV-1999 First Sample Examined: 9760 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 10332 Well Name: A002 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 9504 **API Well Number: 177244084700** Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 99 Paleo Report Num: 1 of 2 **Sample Range:** 9760 - 14792 Water Depth: 151 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD_		Paleo Top Description		<u> </u>	cozone
12250 /	DEF	IN Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	4
12340 /	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	4
12370 /	DEF	AT local marker planktic foram increase	DEF	IN	4
12400 /	DEF	AT foram flood	DEF	IN	4
12430 /	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12490 /	DEF	AT local marker foram decrease	DEF	AT	4
12550 /	DEF	AT faunal change (no faunal increase)	DEF	IN	4
12610 /	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
12820 /	DEF	AT faunal change (no faunal increase)	DEF	AT	5
12850 /	DEF	AT local marker deep water fauna	DEF	AT	5
12940 /	DEF	AT foram flood	DEF	AT	5
13000 /	DEF	AT local marker foram increase	DEF	AT	5
13060 /	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
13090 /	DEF	AT local marker foram increase	DEF	AT	5
13210 /	DEF	AT foram flood	DEF	AT	5
13270 /	DEF	AT local marker deep water fauna	DEF	AT	5
13300 /	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
13510 /	DEF	AT local marker foram increase	DEF	AT	5
13570 /	DEF	AT Bathysiphon fauna	DEF	AT	5
13660 /	DEF	AT foram flood	DEF	AT	5
13810 /	DEF	AT local marker foram increase	DEF	AT	5
13840 /	DEF	AT local marker foram increase	DEF	AT	5
13900 /	DEF	AT local marker foram increase	DEF	IN	4
13960 /	DEF	AT drilling material	DEF	IN	4

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 178 Date of Summary: 01-NOV-1999 First Sample Examined: 9760 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 10332 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A002 **Borehole TVD:** 9504 **API Well Number:** 177244084700 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 99 Paleo Report Num: 1 of 2 **Sample Range:** 9760 - 14792 Water Depth: 151 Public Info Code: Y 30-APR-2007 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD		Paleo Top Description			<u>Ecozone</u>
13990 /	DEF	AT Eggerella sp. (local marker)	DEF	IN	4
14020 /	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	5
14080 /	DEF	AT Arenaceous fauna (local marker)	DEF	ΑT	5
14110 /	DEF	AT local marker foram increase	DEF	ΑT	5
14290 /	DEF	AT Arenaceous fauna (local marker)	DEF	ΑT	5
14350 /	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	ΑT	5
14410 /	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	ΑT	5
14440 /	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	ΑT	5
14470 /	DEF	AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF	ΑT	5
14500 /	DEF	AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF	ΑT	5
14530 /	DEF	IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	ΑT	5
14590 /	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	ΑT	5
14620 /	DEF	AT pyrite	DEF	ΑT	5
14650 /	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	IN	5
14679 /	DEF	AT foram flood	DEF	IN	5
14680 /	DEF	AT local marker planktic foram increase	DEF	IN	5
14740 /	DEF	AT Middle Eocene (Bartonian) Globorotalia bullbrooki	POS	AT	5
14770 /	POS	AT Middle Eocene (Bartonian) Orbulinoides beckmanni	POS	ΑT	5
14791 /	DEF	IN Middle Eocene Cook Mountain Formation	POS	AT	5
14792 /	DEF	AT last sample examined	POS	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-NOV-1999 Area Block: MP 178 First Sample Examined: 9760 Lease Number: G18105 Source of Paleo: OPERATOR **Borehole MD:** 10332 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: A002 **Borehole TVD:** 9504 **API Well Number: 177244084700** Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 99 Paleo Report Num: 2 of 2 **Sample Range:** 9760 - 14792 Water Depth: 151 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, 14740=Middle Eocene (Bartonian) Helicosphaera seminulum LAD, nannospecies abundance and diversity chart

available, see report for details

MD/TVD		Paleo Top Description		Ecozone
9760 / 8995	DEF	AT first sample examined	DEF	AT
9761 / 8996	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
10060 / 9262	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT
10450 /	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
11830 /	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
12400 /	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT
12670 /	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
12790 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
13210 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
13270 /	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
13420 /	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
13750 /	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
14020 /	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
14230 /	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
14290 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
14380 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
14560 /	DEF	AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT
14590 /	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT
14620 /	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	AT
14621 /	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT
14650 /	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 178 Date of Summary: 01-NOV-1999 First Sample Examined: 9760

Lease Number: G18105Source of Paleo: OPERATORBorehole MD:Well Name: A002Paleo Done By: APPLIED BIOSTRATIGRAPHIXBorehole TVD:

Well Name:A002Paleo Done By:APPLIED BIOSTRATIGRAPHIXBorehole TVD:9504API Well Number:177244084700Drilling Operator:ANADARKO E&P COMPANY LPRkb Elevation:99

Paleo Report Num: 2 of 2 Sample Range: 9760 - 14792 Water Depth: 151

Public Info Code: Y 30-APR-2007 Ecozone Eq MMS:

MD/TVD Paleo Top Description Ecozone

14740 / DEF AT Middle Eocene (Bartonian) Pemma balium

DEF AT last sample examined

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 03-MAR-1999 Area Block: MP 216 First Sample Examined: 3600 Lease Number: G13971 Source of Paleo: OPERATOR **Borehole MD:** 10500 Well Name: C001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 10500 **API Well Number: 177244082200** Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 3600 - 10500 Water Depth: 164 Public Info Code: Y 27-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ec	cozone
3600 / 3600 D	EF AT first sample examined	DEF	AT	3
3601 / 3601 Po	DS IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
3660 / 3660 Po	DS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	3
3840 / 3840 D	EF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
4290 / 4290 D	EF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
4529 / 4529 D	EF AT unconformity	DEF	AT	3
4530 / 4530 Po	DS AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	3
4590 / 4590 D	EF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	3
4680 / 4680 D	EF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	3
4950 / 4950 D	EF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	3
5370 / 5369 Po	OS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
5520 / 5519 D	EF AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
5970 / 5969 D	EF AT unconformity	DEF	AT	4
5999 / 5998 D	EF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
6000 / 5999 D	EF IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
6180 / 6179 D	EF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
6480 / 6478 D	EF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
6540 / 6538 D	EF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	5
7259 / 7257 D	EF AT reworked material	DEF	AT	5
7260 / 7258 D	EF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
7261 / 7259 D	EF AT reworked material	DEF	AT	5
7530 / 7528 D	EF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 216 Date of Summary: 03-MAR-1999 First Sample Examined: 3600 Lease Number: G13971 Source of Paleo: OPERATOR **Borehole MD:** 10500 Well Name: C001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 10500 **API Well Number:** 177244082200 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 3600 - 10500 Water Depth: 164 Public Info Code: Y 27-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		E	cozone
7890 / 7888	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF	AT	5
7920 / 7918	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	5
8159 / 8157	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	5
8160 / 8158	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
8490 / 8488	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
8520 / 8518	DEF	AT reworked material	POS	AT	5
9330 / 9328	DEF	AT reworked material	POS	AT	6
10290 /10287	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	6
10410 /10407	DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT	6
10470 /10467	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	6
10500 /10497	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 223 Date of Summary: 10-MAR-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15387 **Borehole MD:** 11723 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 10369 **API Well Number:** 177244075200 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 134 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 269 Public Info Code: Y 27-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

M	D/TVD_		Paleo Top Description		Ecozone
774	0 / 6842	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT
933	0 / 8191	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT
991	6 / 8709	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT
1112	9 / 9812	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 225 Date of Summary: 15-JAN-1997 First Sample Examined: 2340 Lease Number: G14581 Source of Paleo: OPERATOR **Borehole MD:** 7800 Well Name: 001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 7800 **API Well Number:** 177244070500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 99 Paleo Report Num: 1 of 1 **Sample Range:** 2340 - 7800 Water Depth: 195 Public Info Code: Y 03-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		E	cozone
2340 / 2340	DEF AT first sample examined	POS	AT	3
2760 / 2760	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
2879 / 2879	POS AT unconformity	DEF	AT	3
2880 / 2880	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
3509 / 3509	POS AT unconformity	DEF	AT	3
3510 / 3510	DEF AT pyrite	DEF	AT	3
3929 / 3929	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
3930 / 3930	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	3
4560 / 4560	POS AT unconformity	DEF	IN	3
4620 / 4620	DEF AT pyrite	DEF	IN	3
5010 / 5010	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	3
5249 / 5249	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
5250 / 5250	DEF AT faunal change (no faunal increase)	DEF	AT	4
5789 / 5789	POS AT unconformity	DEF	AT	4
5790 / 5790	DEF AT local marker foram increase	DEF	AT	4
6630 / 6630	POS AT unconformity	DEF	AT	4
6631 / 6631	POS AT local marker foram increase	DEF	AT	4
6810 / 6810	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	4
6899 / 6899	DEF AT pyrite	DEF	AT	5
6900 / 6900	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
6960 / 6960	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
7080 / 7080	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined:	2340
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD:	7800
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD:	7800
API Well Number: 177244070500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation:	99
Paleo Report Num: 1 of 1	Sample Range: 2340 - 7800	Water Depth:	195
Public Info Code: Y 03-APR-2005	Ecozone Eq MMS: Y	Paleo ID:	002

MD/TVD	Paleo Top Description		<u>Ecozone</u>
7259 / 7259	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT	5
7260 / 7260	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT	5
7800 / 7800	DEF AT last sample examined	DEF AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 225 First Sample Examined: 3560 Date of Summary: 15-JAN-1997 Lease Number: G14581 Source of Paleo: OPERATOR **Borehole MD:** 11000 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 11000 **API Well Number: 177244071200** Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 106 **Sample Range:** 3560 - 11000 Paleo Report Num: 1 of 1 Water Depth: 256 Public Info Code: Y 13-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
3560 / 3560	DEF AT first sample examined	POS	IN 3
3561 / 3561	POS IN Upper Miocene (Messinian) Discoaster berggrenii	POS	IN 3
3680 / 3680	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN 3
3920 / 3920	POS AT unconformity	DEF	IN 3
3980 / 3980	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN 3
4160 / 4160	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF	AT 3
4400 / 4400	POS AT unconformity	DEF	AT 3
4700 / 4700	POS AT unconformity	DEF	AT 3
5300 / 5300	POS AT Upper Miocene (Tortonian) Textularia 6	DEF	AT 3
5360 / 5360	DEF AT unconformity	DEF	AT 4
5960 / 5960	DEF AT pyrite	DEF	AT 4
6890 / 6890	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT 4
7339 / 7339	DEF AT pyrite	DEF	AT 4
7340 / 7340	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT 4
8208 / 8208	DEF AT pyrite	DEF	AT 5
8209 / 8209	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT 5
8210 / 8210	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT 5
8719 / 8718	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT 5
8720 / 8719	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 5
9570 / 9569	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 5
9730 / 9729	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT 5
9840 / 9839	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF	IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 225 Date of Summary: 15-JAN-1997 First Sample Examined: 3560 Lease Number: G14581 Source of Paleo: OPERATOR **Borehole MD:** 11000 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 11000 **API Well Number:** 177244071200 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 106 Paleo Report Num: 1 of 1 **Sample Range:** 3560 - 11000 Water Depth: 256 Public Info Code: Y 13-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
9870 / 9869	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN	J 5
9930 / 9929	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN	I 5
9959 / 9958	POS	AT unconformity	DEF IN	I 5
9960 / 9959	DEF	AT glauconite	DEF IN	I 5
10770 /10769	DEF	AT local marker deep water fauna	DEF AT	Г 6
10830 /10829	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT	Г 6
11000 /10999	DEF	AT last sample examined	DEF AT	Г 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 225 Date of Summary: 15-JAN-1997 First Sample Examined: 3520 Lease Number: G14581 Source of Paleo: OPERATOR **Borehole MD:** 11316 Well Name: A002 Paleo Done By: PALEO SOURCE **Borehole TVD:** 10565 **API Well Number:** 177244071400 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 106 Sample Range: 3520 - 11316 Paleo Report Num: 1 of 1 Water Depth: 256 Public Info Code: Y 08-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3640 / 3639	DEF	AT first sample examined	POS I	IN 3
3641 / 3640	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	POS I	IN 3
3850 / 3848	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS I	IN 3
4270 / 4257	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF I	IN 3
5790 / 5603	POS	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF A	AT 4
6540 / 6239	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF A	AT 4
7470 / 7036	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF I	IN 4
7590 / 7139	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF I	IN 4
7740 / 7268	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF I	IN 4
8940 / 8314	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF A	AT 5
9120 / 8473	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF A	AT 5
9570 / 8878	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	AT 5
9689 / 8987	POS	AT unconformity	DEF A	AT 5
9690 / 8988	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF A	AT 5
9899 / 9180	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF A	AT 5
9900 / 9181	POS	IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF A	AT 5
10680 / 9931	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF I	IN 5
10800 /10050	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF I	IN 5
10860 /10110	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF I	IN 5
11316 /10565	DEF	AT last sample examined	DEF I	IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 225 Date of Summary: 15-JAN-1997 First Sample Examined: 3550 Lease Number: G14581 Source of Paleo: OPERATOR **Borehole MD:** 10586 Well Name: D001 Paleo Done By: OPERATOR **Borehole TVD:** 9789 **API Well Number: 177244074500** Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 100 **Sample Range:** 3550 - 10586 Paleo Report Num: 1 of 1 Water Depth: 257 Public Info Code: Y 08-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3550 / 3550	DEF	AT first sample examined	POS II	N 3
3551 / 3551	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS II	N 3
4030 / 4029	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF II	N 3
4090 / 4088	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF II	N 3
4900 / 4853	POS	AT unconformity	DEF II	N 3
5050 / 4987	DEF	AT transported shelf fauna	DEF II	N 3
5290 / 5197	DEF	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF II	N 3
5590 / 5459	DEF	AT local marker foram increase	DEF A	AT 4
5800 / 5643	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF A	AT 4
6190 / 5981	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF A	AT 4
6600 / 6335	DEF	AT unconformity	DEF A	AT 4
6990 / 6672	DEF	AT transported shelf fauna	DEF A	AT 4
7140 / 6801	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF II	N 4
7320 / 6955	DEF	IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF II	N 4
7410 / 7032	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF II	N 4
7500 / 7108	DEF	AT local marker foram increase	DEF A	AT 5
7650 / 7235	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF A	AT 5
7710 / 7286	DEF	IN Upper Miocene (Tortonian) Discoaster bollii	DEF A	AT 5
7770 / 7337	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF A	AT 5
8760 / 8182	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF A	AT 5
8910 / 8314	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF A	AT 5
9420 / 8768	DEF	AT limestone	DEF A	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 225 Date of Summary: 15-JAN-1997 3550 Source of Paleo: OPERATOR Lease Number: G14581 **Borehole MD:** 10586 Paleo Done By: OPERATOR Well Name: D001 **Borehole TVD:** 9789 **API Well Number:** 177244074500 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 3550 - 10586 Water Depth: 257 Public Info Code: Y 08-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9480 / 8822	DEF AT transported shelf fauna	DEF AT 5
9748 / 9062	POS AT unconformity	DEF AT 5
9749 / 9063	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
9750 / 9064	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10586 / 9789	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 226 Date of Summary: 30-MAR-1999 First Sample Examined: 3550 Lease Number: G16508 Source of Paleo: OPERATOR **Borehole MD:** 10000 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 10000 **API Well Number:** 177244078300 Drilling Operator: NIPPON OIL EXPLORATION USA **Rkb Elevation:** 106 Paleo Report Num: 1 of 1 **Sample Range:** 3550 - 9990 Water Depth: 172 Public Info Code: Y 15-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		E	cozone
3550 / 3550	DEF	AT first sample examined	DEF	IN	3
3551 / 3551	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
5140 / 5140	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
5800 / 5800	DEF	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
7210 / 7210	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
7750 / 7750	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	5
7900 / 7900	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	IN	4
8550 / 8549	POS	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
8910 / 8909	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	4
9810 / 9809	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
9870 / 9869	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
9930 / 9929	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
9990 / 9989	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 226 Date of Summary: 21-MAR-1999 First Sample Examined: 4000 Lease Number: G16508 Source of Paleo: OPERATOR **Borehole MD:** 11833 Well Name: A002 Paleo Done By: PALEO SOURCE **Borehole TVD:** 10220 **API Well Number: 177244078600** Drilling Operator: NIPPON OIL EXPLORATION U S A **Rkb Elevation:** 106 Sample Range: 4000 - 11834 Paleo Report Num: 1 of 1 Water Depth: 172 Public Info Code: Y 25-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVI	<u>) </u>	Paleo Top Description		E	cozone
4000 / 36	44 DEF	AT first sample examined	DEF	IN	3
4001 / 36	45 DEF	IN Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
4840 / 43	29 POS	AT local marker foram increase	DEF	IN	3
6010 / 52	86 DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
6790 / 59	45 DEF	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
7719 / 67	20 DEF	AT limestone	DEF	AT	5
7720 / 67	20 DEF	AT	DEF	AT	5
7721 / 67	21 DEF	AT limestone	DEF	AT	5
8320 / 72	30 POS	AT Upper Miocene (Tortonian) Cibicides inflata	DEF	AT	5
9100 / 78	99 DEF	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
10300 / 89	32 DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
11050 / 95	57 DEF	AT gray shale	DEF	AT	5
11319 / 97	82 DEF	AT limestone	DEF	AT	6
11320 / 97	83 DEF	IN Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	6
11380 / 98	34 DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
11384 / 98	37 DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 234 Date of Summary: 15-APR-2004 11400 Source of Paleo: OPERATOR Lease Number: G22807 **Borehole MD:** 14659 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14650 **API Well Number:** 177244090700 **Drilling Operator:** NEWFIELD EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 1 of 2 **Sample Range:** 11400 - 14650 Water Depth: 187 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
11400 /11400	DEF	AT first sample examined	DEF	AT	6
11401 /11401	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	6
12270 /12269	DEF	AT	DEF	AT	5
12780 /12779	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
14070 /14069	DEF	AT	DEF	AT	6
14190 /14188	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	6
14400 /14398	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	6
14490 /14488	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
14550 /14548	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
14650 /14647	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 234 Date of Summary: 15-APR-2004 First Sample Examined: 11400 Source of Paleo: OPERATOR Lease Number: G22807 **Borehole MD:** 14659 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14650 **API Well Number:** 177244090700 **Drilling Operator:** NEWFIELD EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 2 of 2 **Sample Range:** 11400 - 14650 Water Depth: 187 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	Ecozone
11400 /11400	DEF AT first sample examined	DEF AT
11940 /11939	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14205 /14203	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14340 /14338	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14400 /14398	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14490 /14488	DEF AT local marker floral increase	DEF AT
14549 /14547	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14550 /14548	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14650 /14647	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 242 Date of Summary: 19-DEC-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G18114 **Borehole MD:** 12102 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12102 **API Well Number:** 177244080800 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 196 Public Info Code: Y 24-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4347 / 4347	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5427 / 5426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5915 / 5914	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
7090 / 7089	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10176 /10175	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 242	Date of Summary: 29-AUG-2000	First Sample Examined:	0
Lease Number: G18114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13520
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	12312
API Well Number: 177244086200	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1	Rkb Elevation:	137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	196
Public Info Code: Y 24-FEB-2006	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozo</u>	ne
7680 / 7480	DEF AT Upper Miocene (Tortonian) Cibicides ca	arstensi DEF AT	
8395 / 8071	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT	
12280 /11273	DEF AT Middle Miocene (Serravallian) Textularia	a "W" DEF AT	

This report contains public paleo reports only for the time period stated $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac$

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 250 Date of Summary: 25-APR-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15387 **Borehole MD:** 12037 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 11339 **API Well Number:** 177244077100 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 105 0 - 0 Paleo Report Num: 1 of 2 Sample Range: Water Depth: 317 Public Info Code: Y 19-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5590 / 5589	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7880 / 7857	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9170 / 8987	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10690 /10241	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 250 Date of Summary: 18-JUN-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15387 **Borehole MD:** 12037 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 11339 **API Well Number:** 177244077100 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 105 Paleo Report Num: 2 of 2 Sample Range: 0 - 0 Water Depth: 317 Public Info Code: Y 19-APR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
3387 / 3387	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
6979 / 6978	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
7406 / 7401	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9675 / 9400	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 259 Date of Summary: 13-MAY-1997 0 Lease Number: G07827 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 13780 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 11601 **API Well Number:** 177244070200 Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 126 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 392 Public Info Code: Y 27-MAR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10020 / 8407	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
11790 / 9896	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12810 /10773	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
12840 /10799	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 259 Date of Summary: 11-APR-1997 First Sample Examined: 0

Lease Number:G07828Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:15323Well Name:A012Paleo Done By:OPERATORBorehole TVD:11801

API Well Number: 177244076800 Prilling Operator: SOCO OFFSHORE INC Rkb Elevation: 126

API Well Number: 177244076800 Drilling Operator: SOCO OFFSHORE INC Rkb Elevation: 126

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 392

Public Info Code: Y 28-FEB-2007 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13310 /10188	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14956 /11505	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 261 Date of Summary: 18-MAY-1996 First Sample Examined: 4030 Lease Number: G13035 Source of Paleo: OPERATOR **Borehole MD:** 14088 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14074 **API Well Number:** 177244074100 Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 102 Paleo Report Num: 1 of 2 **Sample Range:** 4030 - 10840 Water Depth: 287 Public Info Code: Y 27-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Original hole report

MD/TVD		Paleo Top Description		Ec	ozone
4030 / 4030	DEF	AT first sample examined	DEF	AT	3
4031 / 4031	DEF	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	3
5139 / 5139	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
5140 / 5140	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
5350 / 5350	DEF	IN Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
5920 / 5920	POS	AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	4
6820 / 6813	POS	AT unconformity	DEF	AT	4
7030 / 7022	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
7720 / 7711	DEF	AT local marker foram increase	DEF	AT	4
8230 / 8221	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
9040 / 9031	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	5
9700 / 9691	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	5
10720 /10710	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN	5
10840 /10830	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 261 Date of Summary: 20-NOV-1996 First Sample Examined: 5920 Source of Paleo: OPERATOR Lease Number: G13035 **Borehole MD:** 14088 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14074 **API Well Number:** 177244074100 Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 102 Paleo Report Num: 2 of 2 **Sample Range:** 5720 - 14088 Water Depth: 287 Public Info Code: Y 27-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Sidetrack report

MD/TVD		Paleo Top Description		Eco	ozone
5720 / 5720	DEF	AT first sample examined	POS	AT	4
5960 / 5960	POS	AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	4
6229 / 6228	POS	AT unconformity	DEF	AT	4
6230 / 6229	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	4
6890 / 6882	POS	AT unconformity	DEF	AT	4
6950 / 6942	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
7190 / 7181	DEF	AT local marker deep water fauna	DEF	AT	4
7340 / 7331	POS	AT unconformity	DEF	AT	4
7910 / 7901	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4
8270 / 8261	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
8990 / 8981	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
9889 / 9880	POS	AT unconformity	DEF	IN	5
9890 / 9881	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	5
10490 /10480	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	5
10640 /10630	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	6
11810 /11800	DEF	AT local marker foram increase	DEF	AT	6
12410 /12400	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
13070 /13059	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
13370 /13359	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	6
13519 /13508	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	IN	6
13520 /13509	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	6
13790 /13777	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 261 Date of Summary: 20-NOV-1996 First Sample Examined: 5920 Lease Number: G13035 Source of Paleo: OPERATOR **Borehole MD:** 14088 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14074 **API Well Number:** 177244074100 Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 102 Paleo Report Num: 2 of 2 **Sample Range:** 5720 - 14088 Water Depth: 287 Public Info Code: Y 27-FEB-2006 Paleo ID: Ecozone Eq MMS: Y 003

MD/TVD		Paleo Top Description		Ecoz	zone
13880 /13867	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	6
13969 /13956	POS	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	6
13970 /13957	POS	AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF	IN	6
14088 /14074	DEF	AT last sample examined	DEF	IN	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MP 261 Date of Summary: 05-JAN-1998 First Sample Examined: 0

Lease Number:G13035Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:15010Well Name:A002Paleo Done By:OPERATORBorehole TVD:13598

API Well Number: 177244075000 Drilling Operator: MERIT ENERGY COMPANY Rkb Elevation: 100

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 287

Public Info Code: Y 27-FEB-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

 MD/TVD
 Paleo Top Description
 Ecozone

 10905 / 9996
 DEF
 AT Upper Miocene (Tortonian) Uvigerina 3
 DEF
 AT

 12476 /11386
 DEF
 IN Middle Miocene (Serravallian) Textularia "W"
 DEF
 AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MP 261 Date of Summary: 10-JUN-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13035 **Borehole MD:** 12970 Well Name: A005 Paleo Done By: OPERATOR **Borehole TVD:** 12006 **API Well Number: 177244081900** Drilling Operator: SOCO OFFSHORE INC **Rkb Elevation:** 120 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 281 Public Info Code: Y 27-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6560 / 6559	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8993 / 8992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10174 /10038	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11485 /10997	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 279 Date of Summary: 15-OCT-1997 First Sample Examined: 1000 Source of Paleo: OPERATOR Lease Number: G16516 **Borehole MD:** 5400 Paleo Done By: PALEO SOURCE Well Name: B001 **Borehole TVD:** 3600 **API Well Number:** 177244079300 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 1000 - 5400 Water Depth: 290 Public Info Code: Y 21-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
1000 / 1000	DEF	AT first sample examined	DEF	AT	3
1001 / 1001	DEF	AT reworked material	DEF	AT	3
1630 / 1616	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
1780 / 1749	DEF	AT faunal change (no faunal increase)	DEF	IN	3
2080 / 1976	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	3
2170 / 2034	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	3
2260 / 2086	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	3
3670 / 2719	DEF	AT transported outer shelf facies	POS	IN	3
3760 / 2761	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	3
4150 / 2944	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	3
5230 / 3506	DEF	IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS	AT	4
5380 / 3592	DEF	AT last sample examined	POS	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 281 Date of Summary: 21-APR-1999 First Sample Examined: 4500 Lease Number: G10910 Source of Paleo: OPERATOR **Borehole MD:** 14500 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14499 **API Well Number:** 177244077500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 81 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 14500 Water Depth: 307 Public Info Code: Y 10-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
4500 / 4500	DEF	AT first sample examined	DEF	AT	3
4501 / 4501	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
5760 / 5760	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	3
5790 / 5790	DEF	IN Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
7180 / 7180	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
7240 / 7240	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
7720 / 7720	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	AT	4
8439 / 8439	POS	AT unconformity	DEF	AT	4
8440 / 8440	DEF	AT local marker foram increase	DEF	AT	4
9130 / 9130	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
9220 / 9220	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
9470 / 9470	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
9650 / 9650	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
10010 /10010	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
10100 /10100	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	5
10130 /10130	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
10370 /10370	DEF	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
11089 /11089	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	5
11090 /11090	DEF	IN Middle Miocene (Serravallian) Textularia "W"	DEF	AT	5
11148 /11148	POS	AT reworked material	DEF	AT	6
11149 /11149	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	6
11150 /11150	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 281 Date of Summary: 21-APR-1999 First Sample Examined: 4500 Source of Paleo: OPERATOR Lease Number: G10910 **Borehole MD:** 14500 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14499 **API Well Number:** 177244077500 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 81 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 14500 Water Depth: 307 Public Info Code: Y 10-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description		Ecozone
11180 /11180	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT 6
11210 /11210	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT 6
13680 /13679	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF	AT 6
14340 /14339	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT 6
14368 /14367	DEF AT reworked material	DEF	AT 6
14369 /14368	POS IN Lower Miocene (Aquitanian) Sphenolithus conicus	DEF	AT 6
14370 /14369	POS IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF	AT 6
14500 /14499	DEF AT last sample examined	DEF	AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 281 Date of Summary: 07-MAY-1999 First Sample Examined: 0 Lease Number: G10910 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 14292 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 13400 **API Well Number:** 177244079800 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 307 Public Info Code: Y 05-DEC-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5760 / 5758	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9432 / 9155	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
10075 / 9711	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10955 /10468	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11920 /11304	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 21-APR-1999 Area Block: MP 281 First Sample Examined: 5250 Lease Number: G16515 Source of Paleo: OPERATOR **Borehole MD:** 15777 Well Name: A002 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14559 **API Well Number:** 177244078700 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 87 **Sample Range:** 5250 - 15777 Paleo Report Num: 1 of 1 Water Depth: 305 Public Info Code: Y 03-AUG-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, 5730=pre-lowstand upwelling fauna probably associated with the 5970 datum, 5970=Discoaster var 29 A (Shell concept), transgression above Robulus E datum, foram and nanno species abundance and diversity charts available, see report for

details

Dalas Tan Daganintian

MD/TVD		Paleo Top Description		<u>Eco</u>	ozone
5250 / 5238	DEF AT	first sample examined	DEF	AT	4
5251 / 5239	POS AT	Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	4
5252 / 5240	DEF IN	Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
5730 / 5687	DEF AT	local marker foram increase	DEF	AT	4
5970 / 5909	DEF AT	Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	4
7110 / 6924	POS AT	Upper Miocene (Tortonian) Textularia 6	DEF	AT	4
7530 / 7287	POS IN	Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
7980 / 7670	POS AT	Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
8010 / 7695	DEF AT	Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	4
8070 / 7746	DEF AT	Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
8490 / 8106	POS AT	Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
9150 / 8678	DEF AT	Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
9510 / 8993	DEF AT	Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	4
9720 / 9173	DEF AT	Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
9750 / 9199	DEF AT	Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
10200 / 9587	DEF AT	Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
10320 / 9691	DEF AT	Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
10830 /10133	DEF IN	Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
10889 /10184	POS AT	reworked material	DEF	AT	5
10890 /10185	POS AT	Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5

MD / TVD

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Econo

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 281 Date of Summary: 21-APR-1999 First Sample Examined: 5250 Lease Number: G16515 Source of Paleo: OPERATOR **Borehole MD:** 15777 Well Name: A002 Paleo Done By: PALEO SOURCE **Borehole TVD:** 14559 **API Well Number:** 177244078700 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 87 Paleo Report Num: 1 of 1 **Sample Range:** 5250 - 15777 Water Depth: 305 Public Info Code: Y 03-AUG-2007 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/IVD		Paleo Top Description		<u> </u>	<u>-cozone</u>
11010 /10290	POS A	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	5
11250 /10497	DEF II	N Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
12000 /11147	DEF II	N Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
12029 /11171	DEF A	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	IN	5
12030 /11172	DEF A	AT Middle Miocene (Serravallian) Cristellaria "I"	POS	IN	5
12119 /11248	DEF A	AT local marker floral decrease	DEF	IN	5
12120 /11249	DEF A	AT local marker foram decrease	DEF	IN	5
14520 /13377	DEF A	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
15340 /14143	DEF A	AT local marker foram increase	DEF	AT	6
15580 /14370	POS A	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
15699 /14484	DEF A	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	6
15700 /14485	DEF A	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	6
15717 /14501	DEF A	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT	6
15718 /14502	POS A	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT	6
15747 /14530	POS A	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	6
15777 /14559	DEF A	AT last sample examined	DEF	ΑT	6

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 283 Date of Summary: 06-JUN-1997 First Sample Examined: 4530 Source of Paleo: OPERATOR Lease Number: G13662 **Borehole MD:** 13808 Well Name: A001 Paleo Done By: GEORGE J. CONSTANCE, JR. **Borehole TVD:** 13635 **API Well Number:** 177244077700 **Drilling Operator: MOBIL EXPLORATION AND PRODUCIN Rkb Elevation:** 95 Paleo Report Num: 1 of 1 **Sample Range:** 4530 - 13790 Water Depth: 305 Public Info Code: Y 13-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
4530 / 4530	DEF	AT first sample examined	POS /	AT 4
4770 / 4770	DEF	AT	POS A	AT 4
4920 / 4920	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	POS A	AT 4
6030 / 6030	DEF	AT Upper Miocene (Tortonian) Robulus "E"	POS /	AT 4
6990 / 6990	DEF	AT Arenaceous fauna (local marker)	DEF /	AT 4
8280 / 8280	DEF	AT Cyclammina sp. (local marker)	DEF /	AT 4
9030 / 9029	DEF	AT Eggerella sp. (local marker)	DEF /	AT 4
9990 / 9979	DEF	AT local marker benthic foram increase	DEF /	AT 4
10200 /10185	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF /	AT 4
10680 /10629	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF /	AT 4
10830 /10765	DEF	AT	DEF /	AT 5
11760 /11615	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF /	AT 5
13460 /13287	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF /	AT 5
13790 /13617	DEF	AT last sample examined	DEF /	AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 283 Date of Summary: 06-JUN-1997 First Sample Examined: 8640 Lease Number: G13662 Source of Paleo: OPERATOR **Borehole MD:** 14100 Paleo Done By: GEORGE J. CONSTANCE, JR. Well Name: A001 **Borehole TVD:** 14097 **API Well Number:** 177244077701 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC **Rkb Elevation:** 95 Paleo Report Num: 1 of 1 **Sample Range:** 8640 - 14090 Water Depth: 305 Public Info Code: Y 09-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Paleobathymetry may be deeper, since samples are of poor quality

MD/TVD		Paleo Top Description			<u>Ecozone</u>
8640 / 8640	DEF	AT first sample examined	DEF	IN	3
8641 / 8641	DEF	AT poor sample interval top	DEF	IN	3
9420 / 9419	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	3
9960 / 9958	DEF	AT	DEF	ΑT	4
10290 /10288	DEF	AT local marker foram increase	DEF	AT	4
10743 /10741	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	ΑT	4
11880 /11878	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	ΑT	4
13050 /13047	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	ΑT	4
13230 /13227	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	ΑT	4
13590 /13587	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	ΑT	5
13650 /13647	DEF	AT local marker foram increase	DEF	ΑT	5
14089 /14086	DEF	AT poor sample interval bottom	DEF	ΑT	5
14090 /14087	DEF	AT last sample examined	DEF	ΑT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 312 Date of Summary: 13-JAN-1998 First Sample Examined: 7290 Source of Paleo: OPERATOR Lease Number: G16520 **Borehole MD:** 11776 Well Name: JA001 Paleo Done By: OPERATOR **Borehole TVD:** 11553 **API Well Number:** 177244077000 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 95 Paleo Report Num: 1 of 1 **Sample Range:** 4020 - 11790 Water Depth: 240 Public Info Code: Y 13-MAR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Eco	zone
7290 / 7290	DEF	AT first sample examined	DEF	AT	3
7320 / 7320	POS	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	3
8280 / 8267	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	IN	3
8730 / 8701	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	3
8880 / 8843	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4
9600 / 9513	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	3
9720 / 9623	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	4
9780 / 9679	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	IN	3
10440 /10297	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
11790 /	DEF	AT last sample examined	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 313 Date of Summary: 18-AUG-1997 First Sample Examined: 7050 Source of Paleo: OPERATOR Lease Number: G04127 **Borehole MD:** 16360 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 16352 **API Well Number:** 177244075470 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 5010 - 16350 Water Depth: 273 Public Info Code: Y 03-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		E	cozone
7050 / 7049	DEF	AT first sample examined	POS	AT	3
7980 / 7979	DEF	AT	DEF	AT	3
8430 / 8429	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
8820 / 8818	DEF	AT	DEF	IN	3
8940 / 8938	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	IN	3
9300 / 9297	POS	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	IN	3
9600 / 9597	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	4
10140 /10137	DEF	AT	DEF	AT	3
10470 /10467	DEF	AT	DEF	AT	4
10590 /10586	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	4
11130 /11126	DEF	AT	DEF	AT	5
12210 /12206	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
12300 /12296	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT	5
12360 /12356	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
14280 /14275	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
14760 /14754	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
15480 /15474	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
16350 /16342	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MP 313 Date of Summary: 18-AUG-1997 First Sample Examined: 15810 Lease Number: G04127 Source of Paleo: OPERATOR **Borehole MD:** 18156 Well Name: B001 Paleo Done By: OPERATOR **Borehole TVD:** 18108 **API Well Number:** 177244075471 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 15810 - 18150 Water Depth: 273 Public Info Code: Y 04-FEB-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
15810 /15804	DEF	AT first sample examined	DEF A	T 4
16050 /16043	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF A	T 4
16410 /16401	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	T 4
16860 /16846	DEF	AT	DEF A	T 5
17010 /16993	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	T 5
17100 /17082	DEF	AT	DEF A	T 4
18030 /17985	DEF	AT	DEF A	T 5
18150 /18102	DEF	AT last sample examined	DFF A	T 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU 754 Date of Summary: 25-JAN-1999 First Sample Examined: 0 Lease Number: G05981 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9042 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 7355 **API Well Number:** 427024026001 **Drilling Operator: FORCENERGY INC Rkb Elevation:** 68 Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 93 Public Info Code: Y 04-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone
7876 / 6412 DEF IN Lower Miocene (Aquitanian) Siphonina davisi DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MU 757	Date of Summary: 26-MAR-1996	First Sample Examined:	0
Lease Number: G03019	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	9691
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD:	7076
API Well Number: 427024025100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	142
Public Info Code: Y 28-JUL-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6960 / 5329	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7910 / 5901	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8865 / 6496	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9110 / 6661	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MU 759	Date of Summary: 04-OCT-1995	First Sample Examined:	0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13112
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD:	10860
API Well Number: 427024024200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation:	113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	154
Public Info Code: Y 13-SEP-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
6400 / 6330	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9500 / 8317	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MU 759 Date of Summary: 21-NOV-1997 0 Lease Number: G14103 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11871 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 10273 **API Well Number:** 427024023300 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 99 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 154 Public Info Code: Y 02-MAR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6800 / 6686	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9400 / 8583	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MU 759	Date of Summary: 21-OCT-1998	First Sample Examined:	0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13176
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD:	11292
API Well Number: 427024025400	Drilling Operator: EOG RESOURCES INC	Rkb Elevation:	119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	154
Public Info Code: Y 11-FFR-2006	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6450 / 6397	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6720 / 6630	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6870 / 6752	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MU 763 Date of Summary: 02-AUG-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G03022 **Borehole MD:** 9488 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 9485 **API Well Number:** 427024025000 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 88 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 150 Public Info Code: Y 09-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
4530 / 4527	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
5190 / 5187	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5744 / 5741	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6938 / 6935	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7102 / 7099	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MU 784 Date of Summary: 05-MAY-1995 804 Source of Paleo: OPERATOR Lease Number: G05996 **Borehole MD:** 13475 Paleo Done By: PALEO-DATA, INC. Well Name: B002 **Borehole TVD:** 12200 **API Well Number:** 427024024600 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 114 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 804 - 13470 170 Public Info Code: Y 18-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
804 / 804	DEF	AT first sample examined	DEF A	AT 3
1704 / 1695	POS	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF A	T 2
4494 / 4190	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF A	AT 2
4944 / 4622	DEF	AT	DEF A	AT 3
6830 / 6499	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF A	AT 3
7070 / 6739	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF A	AT 3
8330 / 7961	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF A	AT 3
8390 / 8017	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF A	AT 3
9380 / 8919	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF A	AT 3
13380 /12080	DEF	AT	DEF A	AT 4
13470 /12152	DEF	AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MU 787 Date of Summary: 28-FEB-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G11221 **Borehole MD:** 13863 Paleo Done By: OPERATOR Well Name: A008 **Borehole TVD:** 13547 **API Well Number:** 427024024100 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 126 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 150 Public Info Code: Y 18-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description			Ecozone
5936 / 5622	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	F AT	
6312 / 5998	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	F AT	
7245 / 6931	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	F AT	
7550 / 7236	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	F AT	
11585 /11270	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	F AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MU 806	Date of Summary: 14-JUL-1997	First Sample Examined:	0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10000
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD:	9999
API Well Number: 427024024500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	164
Public Info Code: Y 23-APR-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5990 / 5990	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7370 / 7369	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU 829 Date of Summary: 04-JAN-2005 First Sample Examined: 5000 Source of Paleo: OPERATOR Lease Number: G22165 **Borehole MD:** 8769 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8768 **API Well Number:** 427024028800 **Drilling Operator:** NOBLE ENERGY INC **Rkb Elevation:** 91 Paleo Report Num: 1 of 2 Sample Range: 5000 - 8768 Water Depth: 176 Public Info Code: Y 30-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
5840 / 5840	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
6470 / 6470	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
8768 / 8767	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 5000
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 8769
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8768
API Well Number: 427024028800	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 5000 - 8750	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Ea MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone	
5000 / 5000	DEF	AT first sample examined	DEF A	AT 3	
5001 / 5001	DEF	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF A	AT 3	
6170 / 6170	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF A	AT 3	
7100 / 7099	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF A	AT 3	
8450 / 8449	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF A	AT 3	
8750 / 8749	DEF	AT last sample examined	DEF A	AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU 829 Date of Summary: 05-JAN-2005 First Sample Examined: 8770 Source of Paleo: OPERATOR Lease Number: G22165 **Borehole MD:** 12010 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12000 **API Well Number:** 427024028801 **Drilling Operator:** NOBLE ENERGY INC **Rkb Elevation:** 91 Paleo Report Num: 1 of 2 **Sample Range:** 8770 - 12010 Water Depth: 176 Public Info Code: Y 30-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone	
8770 / 8769	DEF AT first sample examined	DEF AT 3	
9260 / 9259	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3	
9530 / 9528	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3	
11480 /11470	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT 3	
11660 /11650	DEF AT	DEF AT 4	
11750 /11740	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4	
12010 /12000	DEF AT last sample examined	DEF AT 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU 829 Date of Summary: 05-JAN-2005 First Sample Examined: 8780 Source of Paleo: OPERATOR Lease Number: G22165 **Borehole MD:** 12010 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 12000 **API Well Number:** 427024028801 **Drilling Operator:** NOBLE ENERGY INC **Rkb Elevation:** 91 Paleo Report Num: 2 of 2 **Sample Range:** 8780 - 12010 Water Depth: 176 Public Info Code: Y 30-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8780 / 8779	DEF AT first sample examined	DEF AT
8810 / 8809	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
8840 / 8839	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
9800 / 9797	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
10550 /10543	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
12010 /12000	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU 858 Date of Summary: 13-SEP-1995 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G12421 **Borehole MD:** 16497 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 16159 **API Well Number:** 427024024400 **Drilling Operator: HOUSTON EXPLORATION COMPANY Rkb Elevation:** 102 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 88 Public Info Code: Y 12-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9546 / 9230	DEF AT Oligocene Frio Formation/Provincial Stage	DEF AT
13726 /13407	DEF IN Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT
14996 /14669	DEF IN Upper Oligocene (Chattian) Marginulina texana	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: MU 858 Date of Summary: 09-NOV-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G12421 **Borehole MD:** 15818 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 14918 **API Well Number:** 427024024700 **Drilling Operator: HOUSTON EXPLORATION COMPANY Rkb Elevation:** 102 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 88 Public Info Code: Y 12-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone	
7190 / 7086	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	
9650 / 9281	POS	AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF	AT	
9651 / 9282	POS	AT Oligocene Frio Formation/Provincial Stage	DEF	AT	
12450 /11840	DEF	AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: MU A 31 Date of Summary: 24-AUG-1995 First Sample Examined: 6500 Source of Paleo: OPERATOR Lease Number: G11243 **Borehole MD:** 9751 Paleo Done By: OPERATOR Well Name: B006 **Borehole TVD:** 8776 **API Well Number:** 427024024300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 136 **Sample Range:** 4430 - 9750 Paleo Report Num: 1 of 1 Water Depth: 215 Public Info Code: Y 28-MAR-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u> </u>	Ecozone
6500 / 5649	DEF AT first sample examined	DEF AT	2
6740 / 5863	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT	2
7850 / 6894	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT	2
8270 / 7303	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT	2
9410 / 8436	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT	2
9750 / 8775	DEF AT last sample examined	DEF AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: PL 9	Date of Summary: 25-OCT-1995	First Sample Examined:	0
Lease Number: G02924	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15536
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD:	14747
API Well Number: 177134018700	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	35
Public Info Code: Y 03-MAR-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9810 / 9810	DEF AT Arenaceous fauna (local marker)	DEF AT
10590 /10590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11010 /11009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11910 /11867	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
13020 /12781	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
15300 /14564	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: PL 10 Date of Summary: 17-DEC-1997 First Sample Examined: 4620 Source of Paleo: OPERATOR Lease Number: G02925 **Borehole MD:** 10192 Well Name: 029 Paleo Done By: GEORGE J. CONSTANCE, JR. **Borehole TVD:** 8903 **API Well Number:** 177134020700 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4620 - 10170 Water Depth: 35 Public Info Code: Y 09-DEC-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Sample quality was poor over the entire interval

MD/TVD	Paleo Top Description	Ecozone
4620 / 4620	DEF AT first sample examined	DEF AT 2
4860 / 4860	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5460 / 5460	DEF AT faunal change (no faunal increase)	POS IN 3
7920 / 7866	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS IN 3
10080 / 8862	DEF AT local marker foram increase	DEF IN 3
10170 / 8895	DEF AT last sample examined	POS IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: PL 11	Date of Summary: 30-SEP-1997	First Sample Examined:	5520
Lease Number: 00071	Source of Paleo: OPERATOR	Borehole MD:	8856
Well Name: 030	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD:	7333
API Well Number: 177134020600	Drilling Operator: MOBIL CORPORATION	Rkb Elevation:	90
Paleo Report Num: 1 of 1	Sample Range: 5520 - 11400	Water Depth:	35
Public Info Code: Y 20-AUG-2007	Ecozone Ea MMS: Y	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description		Ecozone
5520 / 5415	DEF AT first sample examined	POS I	J 3
6960 / 6282	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS IN	1 3
8460 / 7091	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS IN	1 3
10440 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS IN	1 3
11400 /	DEF AT last sample examined	POS IN	1 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: PL 23 Date of Summary: 06-JAN-1997 First Sample Examined:

Lease Number: G01238 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD:

Well Name: C001 Paleo Done By: OPERATOR Borehole TVD: 15588

API Well Number: 177134019900 Drilling Operator: STONE PETROLEUM CORPORATION Rkb Elevation: 128

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:61Public Info Code:Y 18-AUG-2006Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD Paleo Top Description Ecozone

14532 /14434 DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: PL 23 Date of Summary: 30-MAY-1997 0 Lease Number: G01238 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 15900

Paleo Done By: OPERATOR Well Name: C002 **Borehole TVD:** 15714 **API Well Number:** 177134020000 **Drilling Operator: STONE PETROLEUM CORPORATION Rkb Elevation:** 75

0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth:

Public Info Code: Y 19-APR-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14820 /14647	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15840 /15654	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: PL 23	Date of Summary: 14-FEB-1997	First Sample Examined:	0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	18002
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD:	17182
API Well Number: 177134020100	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation:	75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	60
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13570 /13430	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15370 /14978	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
17470 /16725	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: PL 23	Date of Summary: 24-APR-2001	First Sample Examined:	0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16940
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD:	16552
API Well Number: 177134020400	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation:	75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	60
Public Info Code: Y 10-JUN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13140 /13131	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
16080 /15821	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
16710 /16356	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: PL 25 Date of Summary: 13-AUG-1997 First Sample Examined: 9770 Source of Paleo: OPERATOR 17512 Lease Number: G14535 **Borehole MD:** Well Name: JA001 Paleo Done By: OPERATOR **Borehole TVD:** 17493 **API Well Number:** 177134019800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 9770 - 17512 Water Depth: 65 Public Info Code: Y 30-NOV-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
9770 / 9763	DEF	AT first sample examined	DEF A	T 2
10090 /10083	DEF	AT	DEF IN	N 2
10960 /10953	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF A	T 3
11050 /11043	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF A	T 3
12490 /12482	POS	AT Upper Miocene (Tortonian) Minylitha convallis	DEF A	T 3
14950 /14940	DEF	IN Upper Miocene (Tortonian) Minylitha convallis	DEF A	T 3
16420 /16404	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF A	T 3
16750 /16733	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF A	T 3
17170 /17152	DEF	AT	DEF A	T 4
17350 /17332	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF A	T 3
17512 /17493	DEF	AT last sample examined	DEF A	T 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-SEP-2002 Area Block: PN 887 First Sample Examined: 4530 Lease Number: G22154 Source of Paleo: OPERATOR **Borehole MD:** 19235 Well Name: 001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 19209 **API Well Number: 427014005101** Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 4530 - 18530 Water Depth: 122 Public Info Code: Y 30-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

 $\textbf{Remark:} \ 8940 = \textbf{Upper Oligocene Ammobaculites nummus}, 9210 = 16010 = 16730 = 18020 = scour surfaces, for am species abundance and diversity chart$

available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
4530 / 4530	DEF	AT first sample examined	POS	AT	2
4531 / 4531	POS	AT reworked material	POS	AT	2
4830 / 4830	DEF	AT reworked material	POS	AT	2
5280 / 5279	POS	AT charophytes	POS	AT	2
6540 / 6539	POS	IN Lower Miocene (Burdigalian) Robulus chambersi	POS	AT	2
6570 / 6569	POS	IN Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	2
6780 / 6779	POS	AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT	2
7230 / 7229	DEF	AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF	IN	2
7650 / 7649	DEF	AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF	IN	2
8940 / 8939	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
9000 / 8999	DEF	AT Upper Oligocene (Chattian) Bolivina perca	DEF	IN	3
9209 / 9208	POS	AT unconformity	DEF	AT	4
9210 / 9209	DEF	AT local marker planktic foram increase	DEF	AT	4
9960 / 9959	DEF	AT Upper Oligocene (Chattian) Marginulina vaginata	DEF	AT	4
10730 /10728	POS	AT local marker foram increase	DEF	AT	4
12500 /12498	DEF	AT local marker foram increase	DEF	AT	4
14240 /14237	POS	AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF	IN	4
14900 /14897	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	4
15500 /15497	POS	IN Upper Oligocene (Chattian) Marginulina texana	DEF	IN	4
16010 /16007	DEF	AT unconformity	DEF	IN	4
16730 /16726	DEF	AT unconformity	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: PN 887 Date of Summary: 01-SEP-2002 First Sample Examined: 4530 Lease Number: G22154 Source of Paleo: OPERATOR **Borehole MD:** 19235 Well Name: 001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 19209 **API Well Number:** 427014005101 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 4530 - 18530 Water Depth: 122 Public Info Code: Y 30-SEP-2005 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
18020 /18006	DEF AT unconformity	DEF IN 4
18530 /18509	DEF AT last sample examined	DEF IN 4
18830 /18806	POS IN Upper Oligocene (Chattian) Bolivina mexicana	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SA 12 Date of Summary: 22-NOV-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14590 **Borehole MD:** 15500 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 14485 **API Well Number:** 177314006800 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 89 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 34 Public Info Code: Y 12-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
7500 / 7499	DEF	IN Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
8430 / 8429	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
8910 / 8909	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT
9600 / 9591	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT
11640 /11284	DEF	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT
12150 /11697	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT
13700 /12969	DEF	AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT
15050 /14092	DEF	AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF	AT
15390 /14382	DEF	AT deepwater facies Abbeville Iberia	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SA 12 Date of Summary: 08-OCT-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14590 **Borehole MD:** 14466 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 13934 **API Well Number:** 177314007000 **Drilling Operator: APACHE CORPORATION Rkb Elevation:** 99 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 40 Public Info Code: Y 03-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
6680 / 6520	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
7370 / 7174	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT
9740 / 9429	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT
10220 / 9877	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT
11810 /11390	DEF	AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF	AT
11930 /11504	DEF	AT local marker benthic foram increase	DEF	AT
12380 /11933	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT
12440 /11990	DEF	AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT
13400 /12908	DEF	AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SA 12 Date of Summary: 30-MAY-2006 First Sample Examined: 4200 Lease Number: G22507 Source of Paleo: OPERATOR **Borehole MD:** 11571 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10701 **API Well Number: 177314008200** Drilling Operator: MARLIN COASTAL, LLC **Rkb Elevation:** 92 Paleo Report Num: 1 of 1 Sample Range: 4200 - 11571 Water Depth: 37 Public Info Code: Y 27-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	_	Paleo Top Description		Ē	Ecozone
4200 / 3995	DEF	AT first sample examined	DEF	IN	2
4201 / 3996	DEF	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	IN	2
4560 / 4323	B DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	IN	2
5490 / 5169	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	IN	2
5670 / 5333	B DEF	AT	DEF	AT	3
6480 / 6066	DEF	AT	DEF	AT	2
7260 / 6767	7 DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	2
7350 / 6850	DEF	AT	DEF	AT	3
10200 / 9452	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
10350 / 9588	B DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	3
10590 / 9806	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	3
11571 /1070 ⁻	I DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 8 Date of Summary: 03-AUG-2001 First Sample Examined: 15990 Source of Paleo: OPERATOR Lease Number: G03401 **Borehole MD:** 20550 Well Name: 010 Paleo Done By: OPERATOR **Borehole TVD:** 19745 **API Well Number: 177074081000 Drilling Operator: CHEVRON USA INC Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 15990 - 20550 Water Depth: 61 Public Info Code: Y 18-NOV-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		ļ	Ecozone
15990 /15745	DEF	AT first sample examined	DEF	AT	
17070 /16717	DEF	AT	DEF	AT	3
17190 /16825	DEF	AT	DEF	AT	2
17670 /17257	DEF	AT	DEF	AT	3
17730 /17311	DEF	AT	DEF	AT	2
17940 /17501	DEF	AT	DEF	AT	3
18120 /17664	DEF	AT	DEF	AT	2
18360 /17881	DEF	AT	POS	AT	1
18660 /18153	DEF	AT	DEF	AT	2
18900 /18370	DEF	AT	DEF	ΑT	3
18990 /18452	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	ΑT	3
19020 /18479	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	ΑT	3
19500 /18908	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
19560 /18960	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	ΑT	4
19800 /19165	DEF	AT	DEF	IN	4
19860 /19215	DEF	AT	DEF	ΑT	4
19980 /19313	DEF	AT	DEF	IN	4
20100 /19407	DEF	AT sample gap top	DEF	AT	
20549 /19744	DEF	AT sample gap bottom	DEF	AT	
20550 /19745	DEF	AT last sample examined	DEF	ΑT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SM 11	Date of Summary: 19-NOV-1998	First Sample Examined:	0
Lease Number: G01182	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13080
Well Name: N057	Paleo Done By: OPERATOR	Borehole TVD:	12649
API Well Number: 177074074200	Drilling Operator: FORCENERGY INC	Rkb Elevation:	90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	74
Public Info Code: Y 25-MAY-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8620 / 8586	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11080 /10853	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12070 /11769	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SM 17 Date of Summary: 15-DEC-1997 First Sample Examined:

Lease Number:G12886Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:

Well Name: 002 Paleo Done By: OPERATOR Borehole TVD: 11859

API Well Number: 177074072100 Drilling Operator: ANADARKO E&P COMPANY LP Rkb Elevation: 100

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:77Public Info Code:Y 25-JUL-2006Ecozone Eq MMS:Paleo ID:001

Remark:

MD / TVD Paleo Top Description Ecozone

8280 / 8279 DEF AT Lower Pliocene (Zanclian) Buliminella 1 DEF AT

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14200

14197

100

100

001

First Sample Examined:

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SM 18 Date of Summary: 14-FEB-1996

Lease Number: G08680 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: 001 Paleo Done By: OPERATOR

API Well Number: 177074071000 Drilling Operator: NORCEN EXPLORER INC

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 10-FEB-2006 Ecozone Eq MMS:

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
12656 /	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

12972 / DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SM 39 Date of Summary: 25-MAR-1999

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: B002 Paleo Done By: OPERATOR

API Well Number: 177074076100 Drilling Operator: EQUITABLE PRODUCTION COMPANY

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 20-NOV-2007 Ecozone Eq MMS:

First Sample Examined: 0
Borehole MD: 10714
Borehole TVD: 10651
Rkb Elevation: 96
Water Depth: 95
Paleo ID: 001

Remark:

Lease Number: G16320

MD/TVD Paleo Top Description Ecozone

9255 / 9204 DEF AT Lower Pliocene (Zanclian) Buliminella 1 DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 61 Date of Summary: 26-AUG-1996 First Sample Examined: 4630 Source of Paleo: OPERATOR Lease Number: G01196 **Borehole MD:** 13257 Paleo Done By: OPERATOR Well Name: B009 **Borehole TVD:** 12640 **API Well Number:** 177074071100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4630 - 13257 Water Depth: 124 Public Info Code: Y 23-FEB-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone
4630 / 4483	DEF AT first sample examined	DEF AT
4990 / 4820	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6430 / 6165	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8230 / 7846	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12880 /12245	DEF AT	DEF AT 3
12910 /12275	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13150 /12514	DEF AT	DEF AT 2
13210 /12574	DEF AT	DEF AT 3
13257 /12621	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 61 Date of Summary: 20-SEP-1996 First Sample Examined: 4630 Source of Paleo: OPERATOR Lease Number: G01196 **Borehole MD:** 18477 Paleo Done By: OPERATOR Well Name: B010 **Borehole TVD:** 15697 **API Well Number:** 177074071300 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4630 - 18477 Water Depth: 124 Public Info Code: Y 07-MAY-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description		!	<u>Ecozone</u>
4630 / 4514	DEF AT first sample examined	DEF	AT	1
5050 / 4874	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	1
5290 / 5077	DEF AT	DEF	AT	2
5340 / 5120	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	2
5460 / 5221	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	2
5610 / 5348	DEF AT	DEF	AT	1
6420 / 6027	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	1
7430 / 6877	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
7490 / 6927	DEF AT	DEF	AT	2
7610 / 7029	DEF AT	DEF	AT	4
8210 / 7538	DEF AT	DEF	AT	2
9230 / 8404	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	2
12860 /11439	DEF AT	DEF	AT	3
12950 /11509	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	3
13700 /12090	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	3
14630 /12825	DEF AT	DEF	AT	2
14840 /12994	DEF AT	DEF	AT	3
16310 /14130	DEF AT	DEF	AT	2
16910 /14573	DEF AT	DEF	AT	1
17450 /14966	DEF AT	DEF	AT	2
18477 /15697	DEF AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 61 Date of Summary: 26-FEB-1996 First Sample Examined: 5000 Source of Paleo: OPERATOR Lease Number: G01196 **Borehole MD:** 11884 Paleo Done By: OPERATOR Well Name: F004 **Borehole TVD:** 8860 **API Well Number: 177074069000** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 5000 - 11870 Water Depth: 120 Public Info Code: Y 06-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
5000 / 3797	DEF	AT first sample examined	DEF	AT
5660 / 4127	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
6020 / 4305	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
9320 / 6518	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
10100 / 7291	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
11870 / 8849	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 61 Date of Summary: 24-AUG-1996 First Sample Examined: 4970 Lease Number: G01196 Source of Paleo: OPERATOR **Borehole MD:** 11864 Well Name: F005 Paleo Done By: OPERATOR **Borehole TVD:** 10068 **API Well Number:** 177074069600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 119 Paleo Report Num: 1 of 1 **Sample Range:** 4970 - 11870 Water Depth: 122 Public Info Code: Y 14-SEP-2005 Paleo ID: 002 Ecozone Eq MMS: Y

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4970 / 4837	DEF AT first sample examined	DEF AT 1
5120 / 4970	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5450 / 5272	DEF AT	DEF AT 1
6560 / 6277	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
6800 / 6493	DEF AT	DEF AT 2
6830 / 6520	DEF AT	DEF AT 1
7220 / 6874	DEF AT	DEF AT 2
7250 / 6901	DEF AT	DEF AT 1
7850 / 7443	DEF AT	DEF AT 2
8900 / 8365	DEF AT	DEF AT 1
9530 / 8879	DEF AT	DEF AT 2
10070 / 9231	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
10280 / 9342	DEF AT	DEF AT 1
10790 / 9596	DEF AT	DEF AT 2
11870 /	DEF AT last sample examined	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 61 Date of Summary: 26-FEB-1996 First Sample Examined: 9270 Source of Paleo: OPERATOR Lease Number: G03145 **Borehole MD:** 13670 Paleo Done By: OPERATOR Well Name: F002 **Borehole TVD:** 11905 **API Well Number:** 177074046801 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 119 Paleo Report Num: 1 of 1 **Sample Range:** 9270 - 13670 Water Depth: 125 Public Info Code: Y 29-OCT-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecoz	one
9270 / 8542	DEF AT first sample examined	POS AT	1
9570 / 8781	DEF AT	DEF AT	1
9630 / 8824	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT	1
10260 / 9306	DEF AT	DEF AT	2
10800 / 9739	DEF AT	DEF AT	1
11280 /10121	DEF AT	DEF AT	2
11700 /10458	DEF AT	DEF AT	1
11970 /10675	DEF AT	DEF AT	2
12090 /10771	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT	2
12990 /11439	DEF AT	DEF AT	1
13110 /11521	DEF AT	DEF AT	2
13670 /11905	DEF AT last sample examined	DEF AT	2

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 97 Date of Summary: 31-JUL-2001 First Sample Examined: 0 Lease Number: G21619 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 3125 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 1535 **API Well Number:** 177084089300 **Drilling Operator: FOREST OIL CORPORATION Rkb Elevation:** 100 Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 170

Public Info Code: Y 30-APR-2005

Remark:

MD/TVD
1180 / 1095

DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa

DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SM 142 Date of Summary: 25-MAR-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G01216 **Borehole MD:** 7401 Paleo Done By: OPERATOR Well Name: C001 **Borehole TVD:** 5763 **API Well Number:** 177084082900 Drilling Operator: ENERGEN RESOURCES MAQ INC **Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 230 Public Info Code: Y 14-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4250 / 3337	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5789 / 4447	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6350 / 4877	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SM 232 Date of Summary: 14-SEP-2001 0 Lease Number: G22650 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9016 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 9016 **API Well Number:** 177074082400 **Drilling Operator: JUNIPER ENERGYLP Rkb Elevation:** 91 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 19

Remark: In=sand

Public Info Code: Y 30-JUN-2006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6920 / 6919	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8488 / 8487	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SM 233 Date of Summary: 18-SEP-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G11929 **Borehole MD:** 11340 Paleo Done By: OPERATOR Well Name: 003 **Borehole TVD:** 11338 **API Well Number:** 177074072200 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 17 Public Info Code: Y 26-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
6750 / 6750	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT
8400 / 8400	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT
9900 / 9900	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT
10700 /10699	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 276 Date of Summary: 18-DEC-2000 First Sample Examined: 0 Lease Number: G21631 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11015 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 11015 **API Well Number:** 177074080800 **Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 49 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9260 / 9259	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
9424 / 9423	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10545 /10544	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SM 280 Date of Summary: 11-MAY-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G14456 **Borehole MD:** 13930 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 12279 **API Well Number:** 177074068600 **Drilling Operator: NORCEN EXPLORER INC Rkb Elevation:** 80 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 41 Public Info Code: Y 06-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11290 /10652	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12580 /11379	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SM 280	Date of Summary: 02-MAY-1996	First Sample Examined:	0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14980
Well Name: G001	Paleo Done By: OPERATOR	Borehole TVD:	14152
API Well Number: 177074071400	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation:	80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	42
Public Info Code: Y 06-APR-2006	Facozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11412 /11398	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12230 /12159	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12573 /12447	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14062 /13511	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SM 288 Date of Summary: 10-MAR-1998 First Sample Examined: 12000 17760 Lease Number: G02316 Source of Paleo: OPERATOR **Borehole MD:** Paleo Done By: OPERATOR Well Name: CD001 **Borehole TVD:** 16721 **API Well Number: 177074074600** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 12000 - 17760 Water Depth: 60 Public Info Code: Y 28-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecc	zone
12000 /11997	DEF	AT first sample examined	DEF	AT	1
12150 /12145	DEF	IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	1
12810 /12793	DEF	AT	DEF	IN	2
12990 /12969	DEF	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	IN	2
13140 /13113	DEF	AT	DEF	AT	4
13170 /13141	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	4
13230 /13199	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
13530 /13479	DEF	AT	DEF	IN	3
14190 /14053	DEF	AT	DEF	AT	2
15030 /14674	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	2
15570 /15061	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	2
15960 /15341	DEF	AT	DEF	AT	4
16020 /15385	DEF	AT	DEF	AT	3
16380 /15654	DEF	AT	DEF	AT	4
16470 /15724	DEF	AT	DEF	AT	2
17070 /16191	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
17100 /16214	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	2
17670 /16651	DEF	AT	DEF	IN	1
17760 /16721	DEF	AT last sample examined	DEF	IN	1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 87 Date of Summary: 20-SEP-1995 First Sample Examined: 18100 Source of Paleo: OPERATOR Lease Number: G07799 **Borehole MD:** 19548 Well Name: D007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18886 **API Well Number:** 177224020900 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 119 Paleo Report Num: 1 of 2 Sample Range: 18100 - 19510 Water Depth: 372 Public Info Code: Y 03-OCT-2005 Paleo ID: **Ecozone Eq MMS:** 005

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
18100 /17446	DEF AT first sample examined	DEF AT
18370 /17715	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19510 /18849	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 87	Date of Summary: 21-SEP-1995	First Sample Examined: 1810)0
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 1954	18
Well Name: D007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 1888	36
API Well Number: 177224020900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 11	19
Paleo Report Num: 2 of 2	Sample Range: 18100 - 19510	Water Depth: 37	/2
Public Info Code: Y 03-OCT-2005	Ecozone Ea MMS: Y	Paleo ID: 00)4

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
18100 /17446	DEF AT first sample examined	DEF AT 3
18430 /17775	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19510 /18849	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 89	Date of Summary: 22-OCT-1996	First Sample Examined: 2	2610
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD:	5799
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	5729
API Well Number: 177224008501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	118
Paleo Report Num: 1 of 2	Sample Range: 2610 - 5799	Water Depth:	426
Public Info Code: Y 12-OCT-2006	Ecozone Eg MMS: Y	Paleo ID:	002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paled	Top Description			Ecozone
2610 / 2602	DEF AT firsts	ample examined	DEF	AT	3
3000 / 2991	DEF AT Uppe	r Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
3060 / 3051	DEF AT Middl	e Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	ΑT	5
3210 / 3200	DEF AT	-	DEF	ΑT	4
3810 / 3797	DEF AT	-	DEF	IN	5
3930 / 3916	DEF AT Lowe	r Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
4020 / 4005	DEF AT Lowe	r Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	5
4260 / 4242	DEF AT	-	DEF	AT	4
5190 / 5147	DEF AT Lowe	r Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	ΑT	4
5640 / 5577	DEF AT Uppe	r Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
5790 / 5720	DEF AT Uppe	r Pliocene (Piacenzian) Globoquadrina altispira	DEF	ΑT	4
5799 / 5729	DEF AT lasts	ample examined	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 22-OCT-1996 First Sample Examined: 2610 Source of Paleo: OPERATOR Lease Number: G01618 **Borehole MD:** 5799 Well Name: B007 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 5729 **API Well Number:** 177224008501 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 2 of 2 Sample Range: 2610 - 5799 Water Depth: 426 Public Info Code: Y 12-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
2610 / 2602	DEF	AT first sample examined	DEF	AT
3000 / 2991	DEF	AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF	AT
3660 / 3648	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
3930 / 3916	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
4260 / 4242	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
4980 / 4946	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
5340 / 5291	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
5640 / 5577	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
5670 / 5606	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
5700 / 5634	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
5799 / 5729	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 89	Date of Summary: 20-JUN-1997	First Sample Examined:	3985
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD:	8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation:	118
Paleo Report Num: 1 of 4	Sample Range: 3985 - 8480	Water Depth:	420
Public Info Code: Y 27-MAY-2007	Ecozone Eg MMS: Y	Paleo ID:	001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
3985 / 3984	DEF AT first sample examined	POS AT 5
3986 / 3985	DEF AT cement	POS AT 5
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4160 / 4159	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	POS AT 5
4400 / 4395	DEF AT	DEF AT 4
4970 / 4951	DEF AT	DEF AT 5
5030 / 5010	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5270 / 5244	DEF AT	DEF AT 4
5360 / 5332	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
5390 / 5361	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
7220 / 7074	DEF AT	DEF AT 3
8480 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 27-JUN-1997 First Sample Examined: 3985 Source of Paleo: OPERATOR Lease Number: G01618 **Borehole MD:** 8450 Well Name: B009 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8275 **API Well Number:** 177224008601 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 118 Paleo Report Num: 2 of 4 **Sample Range:** 3985 - 8480 Water Depth: 420 Public Info Code: Y 27-MAY-2007 **Ecozone Eq MMS:** Paleo ID: 004

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3985 / 3984	DEF AT first sample examined	DEF AT
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5030 / 5010	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
5390 / 5361	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7220 / 7074	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7580 / 7419	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8480 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 27-JUN-1997 First Sample Examined: 7380 Lease Number: G01618 Source of Paleo: OPERATOR **Borehole MD:** 8450 Well Name: B009 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8275 **API Well Number:** 177224008601 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 118 Paleo Report Num: 3 of 4 **Sample Range:** 7380 - 8480 Water Depth: 420 Public Info Code: Y 27-MAY-2007 **Ecozone Eq MMS:** Paleo ID: 005

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7380 / 7227	DEF AT first sample examined	DEF AT
7680 / 7515	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8190 / 8015	DEF AT local marker floral increase	DEF AT
8480 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 27-JUN-1997 First Sample Examined: 7390 Lease Number: G01618 Source of Paleo: OPERATOR **Borehole MD:** 8450 Well Name: B009 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 8275 **API Well Number:** 177224008601 Drilling Operator: MARATHON PETROLEUM COMPANY **Rkb Elevation:** 118 Paleo Report Num: 4 of 4 **Sample Range:** 7390 - 8450 Water Depth: 420 Public Info Code: Y 27-MAY-2007 **Ecozone Eq MMS:** Paleo ID: 006

Remark: Calcareous nannofossil report for bypass 2, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
7390 / 7236	DEF AT first sample examined	DEF AT
7480 / 7323	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8110 / 7936	DEF AT local marker floral increase	DEF AT
8450 / 8275	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 23-OCT-1996 First Sample Examined: 13017 Source of Paleo: OPERATOR Lease Number: G01618 **Borehole MD:** 13906 Well Name: B011 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13620 **API Well Number:** 177224010402 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 1 of 4 **Sample Range:** 13017 - 13906 Water Depth: 420 Public Info Code: Y 13-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>E</u>	cozone
13017 /12951	DEF AT first sample examined	DEF AT	3
13230 /13148	DEF AT	DEF AT	4
13470 /13320	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT	3
13906 /13620	DEF AT last sample examined	DEF AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 23-OCT-1996 First Sample Examined: 13017 Lease Number: G01618 Source of Paleo: OPERATOR **Borehole MD:** 13906 Well Name: B011 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13620 **API Well Number:** 177224010402 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 2 of 4 **Sample Range:** 13017 - 13906 Water Depth: 420 Public Info Code: Y 13-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13017 /12951	DEF AT first sample examined	DEF AT
13680 /13459	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13906 /13620	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined:	13190
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD:	13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	118
Paleo Report Num: 3 of 4	Sample Range: 13190 - 13950	Water Depth:	420
Public Info Code: Y 13-AUG-2006	Ecozone Ea MMS:	Paleo ID:	003

Remark: Sidetrack 3 bypass 1 report

MD/TVD		Paleo Top Description		Ec	cozone
13190 /13114	DEF	AT first sample examined	DEF	AT	3
13370 /13256	DEF	AT	DEF	AT	4
13460 /13314	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	4
13950 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 23-OCT-1996 First Sample Examined: 13190 Source of Paleo: OPERATOR Lease Number: G01618 **Borehole MD:** 13906 Well Name: B011 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13620 **API Well Number:** 177224010402 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 4 of 4 **Sample Range:** 13190 - 13879 Water Depth: 420 Public Info Code: Y 13-AUG-2006 Paleo ID: **Ecozone Eq MMS:** 004

Remark: Calcareous nannofossil report for sidetrack 3 bypass 1, no diagnostic coccolith markers noted

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13190 /13114	DEF AT first sample examined	DEF AT
13879 /13600	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined:	12890
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD:	16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	118
Paleo Report Num: 1 of 4	Sample Range: 12890 - 16254	Water Depth:	420
Public Info Code: Y 28-MAY-2005	Ecozone Ea MMS: Y	Paleo ID:	002

Remark: Bypass 2 report, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12860 /12333	DEF AT first sample examined	DEF AT 4
13370 /12830	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16254 /15431	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 18-MAY-1995 First Sample Examined: 12890 Lease Number: G01618 Source of Paleo: OPERATOR **Borehole MD:** 16254 Well Name: B015 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15341 **API Well Number:** 177224012703 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 2 of 4 Sample Range: 12890 - 16254 Water Depth: 420 Public Info Code: Y 28-MAY-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report for bypass 2, no nannofossil markers noted, nannospecies abundance and diversity chart available, see report for

details

MD/TVD	Paleo Top Description	Ecozone
12890 /12362	DEF AT first sample examined	DEF AT
16254 /15431	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined:	11300
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD:	16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation:	118
Paleo Report Num: 3 of 4	Sample Range: 11300 - 12860	Water Depth:	420
Public Info Code: Y 28-MAY-2005	Ecozone Eg MMS: Y	Paleo ID:	004

Remark: Bypass 1 report, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11300 /10802	DEF AT first sample examined	DEF AT 3
11301 /10803	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
12200 /11685	DEF AT	DEF AT 4
12860 /12333	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SP 89 Date of Summary: 18-MAY-1995 First Sample Examined: 11300 16254 Lease Number: G01618 Source of Paleo: OPERATOR **Borehole MD:** Well Name: B015 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15341 **API Well Number:** 177224012703 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 118 Paleo Report Num: 4 of 4 Sample Range: 11300 - 12860 Water Depth: 420 Public Info Code: Y 28-MAY-2005 **Ecozone Eq MMS:** Paleo ID: 005

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11300 /10802	DEF AT first sample examined	DEF AT
11420 /10920	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12710 /12185	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12860 /12333	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 76	Date of Summary: 29-DEC-1995	First Sample Examined:	0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	11766
API Well Number: 177114119000	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation:	129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	32
Public Info Code: Y 28-DEC-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10515 / 9887	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11640 /10622	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12280 /11036	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SS 87 Date of Summary: 27-MAR-2001 **Borehole MD:**

Lease Number: 00060 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR Well Name: 026 **Borehole TVD:** 9794

API Well Number: 177114117900 Drilling Operator: PETROQUEST ENERGY LLC Rkb Elevation: 97

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 35

Public Info Code: Y 14-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Upper Miocene (Tortonian) Robulus "E" DEF AT 9407 / 8818

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 99	Date of Summary: 17-NOV-1999	First Sample Examined:	0
Lease Number: G13912	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12035
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	12034
API Well Number: 177114115700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	18
Public Info Code: Y 29-MAR-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10680 /10679	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11130 /11129	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11520 /11519	DEF AT Cyclammina sp. (local marker)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 105	Date of Summary: 03-JUN-1997	First Sample Examined:	0
Lease Number: G09614	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16219
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD:	16215
API Well Number: 177114124000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	37
Public Info Code: Y 14-JUN-2007	Facozone Fa MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
10235 /10234	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11540 /11539	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13520 /13519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15040 /15038	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 105 Date of Summary: 01-FEB-1997 First Sample Examined: 10000 Source of Paleo: OPERATOR Lease Number: G09614 **Borehole MD:** 16838 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: B004 **Borehole TVD:** 16239 **API Well Number:** 177114122400 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 10000 - 16750 Water Depth: 34 Public Info Code: Y 11-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
10000 / 9999	DEF	AT first sample examined	DEF	AT	1
10360 /10359	DEF	AT Arenaceous fauna (local marker)	DEF	AT	1
10420 /10419	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	1
10630 /10628	DEF	AT pyrite	DEF	AT	1
10720 /10718	DEF	AT Cyclammina sp. (local marker)	DEF	AT	1
11200 /11198	POS	IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	1
11680 /11678	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	1
12098 /12096	POS	AT unconformity	DEF	AT	1
12099 /12097	POS	AT fault	DEF	AT	1
12100 /12098	DEF	AT Arenaceous fauna (local marker)	DEF	AT	2
12160 /12158	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	2
12350 /12347	DEF	AT Arenaceous fauna (local marker)	DEF	AT	2
13040 /13028	DEF	AT sample gap top	POS	AT	2
13480 /13454	DEF	AT sample gap bottom	DEF	AT	2
13481 /13455	DEF	AT Arenaceous fauna (local marker)	DEF	AT	2
13600 /13569	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
13630 /13597	DEF	AT local marker benthic foram increase	DEF	AT	4
13690 /13653	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS	AT	4
13750 /13710	DEF	AT faunal change (no faunal increase)	DEF	AT	3
13810 /13766	DEF	AT pyrite	POS	AT	4
13870 /13823	DEF	AT reworked material	DEF	AT	3
13990 /13934	DEF	AT faunal change (no faunal increase)	POS	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SS 105 Date of Summary: 01-FEB-1997 10000 Source of Paleo: OPERATOR Lease Number: G09614 **Borehole MD:** 16838 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: B004 **Borehole TVD:** 16239 **API Well Number:** 177114122400 Drilling Operator: ANADARKO E&P COMPANY LP **Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 10000 - 16750 Water Depth: 34 Paleo ID: 001

Public Info Code: Y 11-APR-2007 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		<u>E</u>	cozone
14170 /14097	DEF	AT local marker benthic foram increase	DEF	AT	3
14290 /14204	DEF	AT faunal change (no faunal increase)	DEF	AT	2
14380 /14284	DEF	AT local marker benthic foram increase	DEF	AT	2
14440 /14338	DEF	AT local marker planktic foram increase	POS	AT	3
14560 /14444	DEF	AT faunal change (no faunal increase)	DEF	AT	2
14740 /14601	DEF	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
14860 /14702	DEF	AT Arenaceous fauna (local marker)	DEF	AT	2
15460 /15194	POS	AT local marker foram increase	DEF	AT	2
15610 /15312	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	2
15820 /15476	DEF	AT faunal change (no faunal increase)	POS	AT	1
16210 /15778	DEF	AT local marker benthic foram increase	DEF	AT	3
16330 /15869	DEF	AT faunal change (no faunal increase)	DEF	AT	2
16390 /15914	DEF	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	2
16480 /15980	DEF	AT local marker planktic foram increase	DEF	AT	2
16540 /16024	DEF	AT pyrite	DEF	AT	2
16750 /16176	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 105	Date of Summary: 21-JAN-1999	First Sample Examined:	0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	17500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	16905
API Well Number: 177114124500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	37
Public Info Code: Y 27-ALIG-2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10530 /10529	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11810 /11809	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13740 /13723	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15290 /15058	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 126 Date of Summary: 16-JAN-1997 First Sample Examined: 0 Lease Number: G12940 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 16500 Well Name: C001 Paleo Done By: OPERATOR **Borehole TVD:** 16293 **Rkb Elevation:** 99

API Well Number: 177114122000 Drilling Operator: VASTAR RESOURCES INC.

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 42 Public Info Code: Y 27-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Upper Miocene (Tortonian) Robulus "E" DEF AT 13850 /13848

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 129 First Sample Examined: Date of Summary: 08-APR-1996 4260 Source of Paleo: OPERATOR Lease Number: G12941 **Borehole MD:** 13860 Well Name: A003 Paleo Done By: THOMAS REILLY **Borehole TVD:** 12873 **API Well Number:** 177114120100 Drilling Operator: SEAGULL ENERGY E&P INC **Rkb Elevation:** 102 Paleo Report Num: 1 of 1 **Sample Range:** 4260 - 13858 Water Depth: 48 Public Info Code: Y 19-APR-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		E	cozone
4260 / 4259	DEF AT first sample examined	DEF	IN	2
4740 / 4739	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
5010 / 5009	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
5760 / 5759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	3
8970 / 8969	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF	IN	3
10230 /10195	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
11970 /11545	DEF AT Cyclammina sp. (local marker)	DEF	AT	5
13200 /12403	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	5
13858 /12872	DEF AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 145 Date of Summary: 06-SEP-1995 First Sample Examined: 0 Lease Number: G11984 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 8221 Paleo Done By: OPERATOR Well Name: B013 **Borehole TVD:** 6254 **API Well Number:** 177114117401 **Drilling Operator:** NEWFIELD EXPLORATION COMPANY **Rkb Elevation:** 145 Sample Range: Paleo Report Num: 1 of 1 0 - 0 Water Depth: 43 Public Info Code: Y 22-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD Paleo Top Description Ecozone
6410 / 5735 DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 151 Date of Summary: 15-JAN-1998 First Sample Examined: 0 Lease Number: G15282 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 12512 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 12425

API Well Number: 177114125700 Drilling Operator: EL PASO PRODUCTION GOM INC **Rkb Elevation:** 83

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 66 Public Info Code: Y 23-DEC-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Upper Miocene (Messinian) Textularia "X" DEF AT 11300 /11297

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 154	Date of Summary: 18-AUG-1995	First Sample Examined:	0
Lease Number: 00420	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	7944
Well Name: 009	Paleo Done By: OPERATOR	Borehole TVD:	7221
API Well Number: 177110058902	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation:	75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	56
Public Info Code: Y 31-JAN-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5330 / 5154	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
5810 / 5584	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
7010 / 6512	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SS 154 Date of Summary: 27-FEB-1995 0 Lease Number: 00420 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7756 Paleo Done By: OPERATOR Well Name: C024 **Borehole TVD:** 6780 **API Well Number:** 177114115800 Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 56 Public Info Code: Y 01-MAR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
3730 / 3707	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4450 / 4317	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4810 / 4589	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
6730 / 5938	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
7450 / 6519	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7593 / 6638	DEF AT salt	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 173 Date of Summary: 14-JUN-2004 First Sample Examined: 10020 Source of Paleo: OPERATOR 16795 Lease Number: G22709 **Borehole MD:** Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16793 **API Well Number:** 177114141600 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 101 Paleo Report Num: 1 of 2 Sample Range: 10020 - 17000 Water Depth: 75 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
10020 /10020	DEF	AT first sample examined	DEF	IN	1
10021 /10021	DEF	IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	1
10080 /10080	DEF	AT Cyclammina sp. (local marker)	DEF	IN	2
10140 /10140	DEF	AT local marker benthic foram increase	DEF	IN	2
10170 /10170	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	2
10200 /10200	DEF	AT local marker foram decrease	DEF	IN	2
10260 /10260	DEF	AT local marker benthic foram increase	DEF	AT	2
10290 /10290	DEF	AT local marker foram decrease	DEF	AT	2
10350 /10350	DEF	AT local marker benthic foram increase	DEF	AT	2
10470 /10470	DEF	AT local marker foram decrease	DEF	AT	2
10890 /10890	DEF	AT local marker benthic foram increase	DEF	AT	2
11250 /11250	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	2
11340 /11340	POS	AT Upper Miocene (Messinian) Textularia "X"	DEF	IN	2
11460 /11459	DEF	AT faunal change (no faunal increase)	DEF	AT	2
11520 /11519	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	2
11550 /11549	DEF	AT local marker foram decrease	DEF	IN	2
11850 /11849	DEF	AT local marker benthic foram increase	DEF	IN	2
12030 /12029	DEF	AT Arenaceous fauna (local marker)	DEF	IN	2
12480 /12479	DEF	AT local marker foram increase	DEF	IN	2
12509 /12508	DEF	AT pyrite	DEF	IN	2
12510 /12509	DEF	AT local marker foram decrease	DEF	IN	2
12690 /12689	POS	AT Arenaceous fauna (local marker)	DEF	AT	2

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 173 Date of Summary: 14-JUN-2004 First Sample Examined: 10020 Source of Paleo: OPERATOR Lease Number: G22709 **Borehole MD:** 16795 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16793 **API Well Number:** 177114141600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 101 Paleo Report Num: 1 of 2 **Sample Range:** 10020 - 17000 Water Depth: 75 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD_		Paleo Top Description		E	cozone
12750 /12749	DEF	AT Arenaceous fauna (local marker)	DEF	IN	2
12870 /12869	DEF	AT local marker benthic foram increase	DEF	AT	3
13080 /13079	POS	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
13110 /13109	DEF	AT local marker foram increase	DEF	AT	3
13200 /13199	DEF	AT local marker benthic foram increase	DEF	AT	3
13349 /13348	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
13350 /13349	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	3
13380 /13379	DEF	AT local marker benthic foram increase	DEF	IN	3
13516 /13515	DEF	AT local marker foram decrease	DEF	AT	3
13590 /13589	DEF	AT local marker benthic foram increase	DEF	AT	3
13620 /13619	DEF	AT local marker foram decrease	DEF	AT	3
13920 /13919	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
14010 /14009	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14070 /14069	DEF	AT Bathysiphon fauna	DEF	AT	3
14100 /14099	DEF	AT local marker foram decrease	DEF	AT	3
14160 /14159	DEF	AT local marker benthic foram increase	DEF	AT	3
14190 /14189	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN	4
14340 /14339	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	AT	4
14580 /14579	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
14610 /14609	DEF	AT local marker foram decrease	DEF	IN	3
14700 /14699	DEF	AT local marker benthic foram increase	DEF	IN	3
14760 /14759	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	4
14970 /14969	DEF	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	IN	4
15000 /14999	DEF	AT drilling material	DEF	AT	4

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 173 Date of Summary: 14-JUN-2004 First Sample Examined: 10020 Source of Paleo: OPERATOR 16795 Lease Number: G22709 **Borehole MD:** Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16793 **API Well Number:** 177114141600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 101 Paleo Report Num: 1 of 2 **Sample Range:** 10020 - 17000 Water Depth: 75 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		E	cozone
15060 /15058	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
15210 /15208	DEF	AT local marker foram decrease	DEF	AT	4
15270 /15268	DEF	AT Cyclammina sp. (local marker)	DEF	IN	4
15330 /15328	DEF	IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	4
15420 /15418	DEF	AT local marker foram decrease	DEF	AT	4
15450 /15448	DEF	AT pyrite	DEF	AT	4
15480 /15478	DEF	AT local marker foram increase	DEF	AT	4
15510 /15508	DEF	AT local marker foram decrease	DEF	AT	4
15690 /15688	POS	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	4
15810 /15808	DEF	AT drilling material	DEF	AT	4
15900 /15898	DEF	AT local marker deep water fauna	DEF	IN	4
15960 /15958	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
16020 /16018	DEF	AT local marker foram decrease	DEF	IN	4
16080 /16078	DEF	AT local marker deep water fauna	DEF	AT	5
16170 /16168	DEF	AT Eggerella sp. (local marker)	DEF	AT	5
16290 /16288	DEF	AT local marker planktic foram increase	DEF	AT	5
16380 /16378	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF	IN	4
16440 /16438	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
16470 /16468	DEF	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	5
16560 /16558	DEF	AT local marker foram decrease	DEF	AT	5
17000 /	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 173 Date of Summary: 14-JUN-2004 First Sample Examined: 10020 Lease Number: G22709 Source of Paleo: OPERATOR **Borehole MD:** 16795 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16793 **API Well Number:** 177114141600 Drilling Operator: CHEVRON USA INC **Rkb Elevation:** 101 Paleo Report Num: 2 of 2 **Sample Range:** 10020 - 17000 Water Depth: 75 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10020 /10020	DEF AT first sample examined	DEF AT
10080 /10080	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10860 /10860	DEF AT local marker floral decrease	DEF AT
11580 /11579	DEF AT local marker floral increase	DEF AT
12060 /12059	POS AT local marker floral increase	DEF AT
12120 /12119	DEF AT local marker floral decrease	DEF AT
12540 /12539	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
12600 /12599	DEF AT local marker foram decrease	DEF AT
12840 /12839	DEF AT local marker floral increase	DEF AT
12960 /12959	DEF AT local marker floral decrease	DEF AT
13200 /13199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13290 /13289	DEF AT local marker floral decrease	DEF AT
13560 /13559	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13740 /13739	DEF AT local marker floral decrease	DEF AT
14220 /14219	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14280 /14279	DEF AT local marker floral decrease	DEF AT
14820 /14819	POS AT local marker floral increase	DEF AT
14970 /14969	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15030 /15029	DEF AT floral flood	DEF AT
15270 /15268	DEF AT local marker floral decrease	DEF AT
15390 /15388	DEF AT floral flood	DEF AT
15510 /15508	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 173 Date of Summary: 14-JUN-2004 First Sample Examined: 10020 Source of Paleo: OPERATOR Lease Number: G22709 **Borehole MD:** 16795 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16793 **API Well Number:** 177114141600 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 101 Paleo Report Num: 2 of 2 Sample Range: 10020 - 17000 Water Depth: 75 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 002

MD/TVD_		Paleo Top Description		<u>Ecozone</u>
15570 /15568	DEF	AT Upper Miocene (Tortonian) Discoaster challengeri (updip)	DEF	AT
15750 /15748	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
15810 /15808	DEF	AT local marker floral decrease	DEF	AT
15870 /15868	DEF	AT local marker floral increase	DEF	AT
16050 /16048	DEF	AT floral flood	DEF	AT
16230 /16228	DEF	AT local marker floral decrease	DEF	AT
16350 /16348	DEF	AT local marker floral increase	DEF	AT
16410 /16408	DEF	AT floral flood	DEF	AT
16470 /16468	DEF	AT local marker floral decrease	DEF	AT
16590 /16588	DEF	AT local marker floral increase	DEF	AT
17000 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 181 Date of Summary: 26-AUG-1996 First Sample Examined: 7500 Lease Number: G04231 12764 Source of Paleo: OPERATOR **Borehole MD:** Well Name: F001 Paleo Done By: OPERATOR **Borehole TVD:** 10897 **API Well Number:** 177114120000 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 103 Paleo Report Num: 1 of 1 Sample Range: 7500 - 12724 Water Depth: 66 Public Info Code: Y 09-MAR-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
7500 / 7494	DEF	AT first sample examined	DEF A	T 1
7620 / 7612	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	T 1
8430 / 8379	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF A	T 1
8850 / 8717	DEF	AT	DEF A	Т 2
9390 / 9037	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF A	T 2
9750 / 9227	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF A	Т 2
11400 /10127	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF A	Т 2
11580 /10226	DEF	AT	DEF A	Т 3
11790 /10342	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF A	Т 3
12724 /10874	DEF	AT last sample examined	DEF A	Т 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 193 First Sample Examined: Date of Summary: 26-APR-1995 0 Lease Number: G13917 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 15143 Well Name: A004 Paleo Done By: OPERATOR **Borehole TVD:** 11845 **API Well Number:** 177114116000 **Drilling Operator: PETSEC ENERGY INC Rkb Elevation:** 31 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 77 Public Info Code: Y 23-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13200 /10042	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14283 /11011	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:SS194Date of Summary:26-MAY-1998First Sample Examined:0Lease Number:G15288Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:15087Well Name:A001Paleo Done By:OPERATORBorehole TVD:14172PI Well Number:177114121300Drilling Operator:PETSEC ENERGY INCRkb Elevation:86

API Well Number: 177114121300 Drilling Operator: PETSEC ENERGY INC Rkb Elevation: 86
Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 77

Public Info Code: Y 08-AUG-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

 MD/TVD
 Paleo Top Description
 Ecozone

 11898 /11893
 DEF
 AT Lower Pliocene (Zanclian) Buliminella 1
 DEF
 AT

 12104 /12087
 DEF
 IN Upper (Late) Miocene
 DEF
 AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: SS 198 Date of Summary: 01-JUL-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: 00593 **Borehole MD:** 14500 Paleo Done By: OPERATOR Well Name: K004 **Borehole TVD:** 14498 **API Well Number:** 177114119200 **Drilling Operator:** CONOCO INC **Rkb Elevation:** 131 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 98 Public Info Code: Y 31-MAY-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5520 / 5519	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6660 / 6659	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10290 /10289	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10890 /10889	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13350 /13348	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14190 /14188	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

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Paleo for Public Release (Date Specific)

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 206 Date of Summary: 21-NOV-1995

First Sample Examined: 0

Lease Number: G01522

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Borehole MD: 11670

Well Name: E002

Paleo Done By: OPERATOR

Borehole TVD: 11100

API Well Number: 177114118100

Drilling Operator: NORCEN EXPLORER INC

Rkb Elevation:

Paleo Report Num: 1 of 1

0 - 0

Water Depth: 91

Sample Range:

Paleo ID:

Public Info Code: Y 17-OCT-2005

Ecozone Eq MMS:

001

Remark:

MD/TVD

Paleo Top Description

Ecozone

8478 / 7954

POS AT Upper Pliocene (Gelasian) Lenticulina 1

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 209 Date of Summary: 28-DEC-1995 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G01228 **Borehole MD:** 11150 Well Name: M001 Paleo Done By: OPERATOR **Borehole TVD:** 10823 **API Well Number:** 177114117600 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 100 0 - 0 Sample Range: Paleo Report Num: 1 of 1 Water Depth: 100 Public Info Code: Y 28-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6165 / 6164	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7931 / 7920	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
8840 / 8828	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 222	Date of Summary: 11-SEP-1997	First Sample Examined:	0
Lease Number: G01525	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16942
Well Name: D012	Paleo Done By: OPERATOR	Borehole TVD:	15922
API Well Number: 177114124600	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation:	86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	141
Public Info Code: Y 06-SFP-2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ecozone
8642 / 8641	DEF	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF A	T 3
9690 / 9676	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	Т 3
10290 /10204	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF A	Т 3
11640 /11277	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF A	Т 3
11670 /11301	DEF	AT	DEF A	T 4
11700 /11324	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF A	T 4
15130 /14206	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF A	T 4
16120 /15139	DEF	AT	DEF A	T 5
16720 /15710	DEF	AT	DEF A	T 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 223	Date of Summary: 02-OCT-1995	First Sample Examined:	0
Lease Number: G01526	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13640
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD:	10686
API Well Number: 177114115400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	127
Public Info Code: Y 11-FEB-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5660 / 5650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5870 / 5851	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12430 / 9953	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: SS 223	Date of Summary: 01-SEP-1995	First Sample Examined:	0
Lease Number: G01526	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11404
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD:	11086
API Well Number: 177114115900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation:	88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	131
Public Info Code: Y 09-MAR-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description		Ecozone
5890 / 5889 DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT
6050 / 6049 DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
7220 / 7219 DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
9370 / 9277 DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT
10870 /10614 DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 225 Date of Summary: 24-JAN-2002 First Sample Examined: 9800 Source of Paleo: OPERATOR Lease Number: G21657 **Borehole MD:** 16938 Well Name: K001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15635 **API Well Number:** 177114136002 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 **Sample Range:** 9000 - 16938 Paleo Report Num: 1 of 1 Water Depth: 147 Public Info Code: Y 31-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozo	ne
9000 / 8996	DEF	AT first sample examined	DEF	AT 4	4
9480 / 9476	DEF	AT Cyclammina cancellata (local marker)	DEF	AT 4	4
9780 / 9776	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 4	4
10530 /10526	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT 4	4
11280 /11276	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT 4	4
13050 /12992	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT 4	4
13350 /13235	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT 4	4
14190 /13857	DEF	AT Eggerella sp. (local marker)	DEF	AT 4	4
14550 /14110	DEF	AT Eggerella sp. (local marker)	DEF	AT 4	4
14850 /14326	DEF	AT Eggerella sp. (local marker)	DEF	AT 4	4
15060 /14471	DEF	AT Cyclammina cancellata (local marker)	DEF	AT 4	4
15089 /14491	DEF	AT foram flood	DEF	AT 5	5
15090 /14492	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT 5	5
15270 /14619	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF	IN 4	4
15419 /14728	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN 4	4
15420 /14728	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	IN 4	4
16938 /15635	DEF	AT last sample examined	DEF	IN 4	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 233 Date of Summary: 10-MAY-1996 First Sample Examined: 14130 Lease Number: G15293 Source of Paleo: OPERATOR **Borehole MD:** 15961 Well Name: B002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14034 **API Well Number:** 177114037102 **Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 120 Paleo Report Num: 1 of 1 **Sample Range:** 14130 - 15960 Water Depth: 128 Public Info Code: Y 15-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description	Ecozone
14130 /12619	DEF AT first sample examined	DEF AT 3
14131 /12620	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14308 /12762	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14309 /12763	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
14310 /12764	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15540 /13713	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15960 /14033	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 258 Date of Summary: 12-JUN-1997 First Sample Examined: 6570 Source of Paleo: OPERATOR Lease Number: G05560 **Borehole MD:** 11455 Well Name: JB004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10420 **API Well Number:** 177124057100 **Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 6570 - 11455 Water Depth: 148 Public Info Code: Y 08-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	cozone
6570 / 5611	DEF	AT first sample examined	DEF	AT	2
7080 / 6082	DEF	AT faunal change (no faunal increase)	DEF	AT	3
7290 / 6280	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	3
7470 / 6452	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
7830 / 6800	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	3
8370 / 7333	DEF	AT sample gap top	POS	AT	3
8490 / 7452	DEF	AT sample gap bottom	DEF	AT	3
8790 / 7750	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
9150 / 8109	DEF	AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF	AT	3
11455 /10412	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 31-DEC-2007

Area Block:SS299Date of Summary:26-SEP-1995First Sample Examined:0Ise Number:G07759Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:10055

Lease Number:G07759Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:10055Well Name:A010Paleo Done By:OPERATORBorehole TVD:7200

API Well Number: 177124054300 Drilling Operator: DEVON SFS OPERATING INC Rkb Elevation: 100

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 265

Public Info Code: Y 12-JUL-2005 Ecozone Eq MMS: Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3024 / 2721	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9628 / 6930	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 349 Date of Summary: 17-APR-1995 First Sample Examined: 1450 Source of Paleo: OPERATOR Lease Number: G12010 **Borehole MD:** 19665 Well Name: A005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18308 **API Well Number:** 177124052600 **Drilling Operator: CONOCOPHILLIPS COMPANY Rkb Elevation:** 77 Paleo Report Num: 1 of 3 **Sample Range:** 1450 - 17380 Water Depth: 375 Public Info Code: Y 12-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Original hole report

MD/TVD		Paleo Top Description			Ecozone
1450 / 1450	DEF	AT first sample examined	DEF	AT	3
1650 / 1650	DEF	IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
1710 / 1710	DEF	AT	DEF	ΑT	3
2520 / 2520	DEF	AT	DEF	ΑT	4
2640 / 2640	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
2670 / 2670	DEF	AT	DEF	AT	3
3750 / 3750	DEF	AT	DEF	ΑT	4
4620 / 4620	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	ΑT	4
5500 / 5499	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	ΑT	5
5710 / 5707	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
7060 / 6974	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	ΑT	5
7300 / 7185	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	ΑT	5
7330 / 7211	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	ΑT	5
7540 / 7395	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	ΑT	5
7810 / 7631	DEF	AT salt	DEF	ΑT	5
12250 /11582	DEF	AT base of salt	DEF	ΑT	6
12400 /11711	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	ΑT	6
13330 /12518	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
14260 /13314	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
17380 /16112	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 349 Date of Summary: 17-APR-1995 First Sample Examined: 14500 Source of Paleo: OPERATOR Lease Number: G12010 **Borehole MD:** 19665 Well Name: A005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18308 **API Well Number:** 177124052600 **Drilling Operator:** CONOCOPHILLIPS COMPANY **Rkb Elevation:** 77 Paleo Report Num: 2 of 3 **Sample Range:** 14500 - 19665 Water Depth: 375 Public Info Code: Y 12-MAY-2005 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Sidetrack 2 report, no diagnostic foram markers noted

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14500 /13517	DEF AT first sample examined	DEF AT 6
19665 /18308	DEF AT last sample examined	DEF AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: SS 349 Date of Summary: 17-APR-1995 First Sample Examined: 14500 Source of Paleo: OPERATOR Lease Number: G12010 **Borehole MD:** 19665 Well Name: A005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18308 **API Well Number:** 177124052600 **Drilling Operator:** CONOCOPHILLIPS COMPANY **Rkb Elevation:** 77 Paleo Report Num: 3 of 3 **Sample Range:** 14500 - 19665 Water Depth: 375 Public Info Code: Y 12-MAY-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 2

MD/TVD		Paleo Top Description		Ecozone
14500 /13517	DEF	AT first sample examined	DEF	AT
14560 /13569	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
16390 /15194	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
17320 /16055	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
18610 /17291	DEF	AT Upper Miocene (Tortonian) Discoaster calcaris	DEF	AT
18760 /17435	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
19300 /17956	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
19665 /18308	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 38	Date of Summary: 17-MAR-2000	First Sample Examined:	0
Lease Number: G09637	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12980
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	11548
API Well Number: 177154084900	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation:	90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	60
Public Info Code: Y 28-FEB-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9310 / 9054	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10300 / 9737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11380 /10492	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 63 Date of Summary: 30-SEP-1996 11000 Lease Number: 00599 Source of Paleo: OPERATOR **Borehole MD:** 14897 Well Name: J002 Paleo Done By: THOMAS REILLY **Borehole TVD:** 14749 **API Well Number:** 177154090000 **Drilling Operator: MURPHY EXPLORATION & PRODUCTIO Rkb Elevation:** 77 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 14870 Water Depth: 90 Public Info Code: Y 22-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone
11000 /10856	DEF AT first sample examined	DEF A	AT 3
12230 /12086	DEF AT	DEF A	AT 4
12320 /12176	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF A	√T 4
13310 /13165	DEF AT local marker foram increase	DEF A	AT 5
13580 /13435	DEF AT	DEF A	AT 4
14870 /	DEF AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 107 Date of Summary: 26-APR-2005 First Sample Examined: 16000 Source of Paleo: OPERATOR 16761 Lease Number: G15319 **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16401 **API Well Number:** 177154099702 **Drilling Operator: NEWFIELD EXPLORATION COMPANY Rkb Elevation:** 117 Paleo Report Num: 1 of 2 **Sample Range:** 16000 - 16750 Water Depth: 72 Public Info Code: Y 20-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16000 /15744	DEF AT first sample examined	DEF AT 3
16001 /15745	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
16210 /15927	DEF AT local marker foram increase	DEF AT 4
16750 /16391	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 107 Date of Summary: 26-APR-2005 First Sample Examined: 16000 Source of Paleo: OPERATOR 16761 Lease Number: G15319 **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16401 **API Well Number:** 177154099702 **Drilling Operator: NEWFIELD EXPLORATION COMPANY Rkb Elevation:** 117 Paleo Report Num: 2 of 2 **Sample Range:** 16000 - 16750 Water Depth: 72 Public Info Code: Y 20-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	
16000 /15744	DEF AT first sample examined	DEF AT
16360 /16057	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16750 /16391	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 109 Date of Summary: 02-JUN-2003 First Sample Examined: 13010 Source of Paleo: OPERATOR 19000 Lease Number: G22740 **Borehole MD:** Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 18973 **API Well Number:** 177154112400 **Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 13010 - 19000 Water Depth: 66 Public Info Code: Y 30-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	VD Paleo Top Description			Eco	ozone
13010 /13010	DEF AT first sample examine	ed DE	F	AT	3
13370 /13370	DEF AT	PO	S	AT	4
13408 /13408	POS IN Lower Pliocene (Zand	clian) Buliminella 1 PO	S	AT	4
13910 /13910	POS AT Upper Miocene (Mess	sinian) Textularia "X" PO	S	AT	4
17120 /17102	DEF AT	DE	F	AT	5
17150 /17132	DEF AT Upper Miocene (Mess	ssinian) Textularia tatumi DE	F	AT	5
17600 /17579	POS AT Upper Miocene (Mess	ssinian) Globorotalia juanai DE	F	AT	5
17900 /17878	POS AT Upper Miocene (Torto	onian) Robulus "E" DE	F	AT	5
18350 /18327	POS IN Upper Miocene (Torto	onian) Cristellaria "K" DE	F	AT	5
18920 /18895	POS AT Upper Miocene (Torto	onian) Bolivina thalmanni DE	F	AT	5
19000 /18975	DEF AT last sample examine	ed DE	F	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 131 Date of Summary: 24-AUG-1995 6000 Source of Paleo: OPERATOR Lease Number: 00457 **Borehole MD:** 12624 Paleo Done By: OPERATOR Well Name: G010 **Borehole TVD:** 10460 **API Well Number: 177154084200** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 80 Paleo Report Num: 1 of 1 Sample Range: 6000 - 12441 Water Depth: 143 Public Info Code: Y 21-JAN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
6000 / 5957	DEF AT first sample examined	DEF AT 2
6001 / 5958	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
6660 / 6512	DEF AT	DEF AT 1
9800 / 8606	DEF AT	DEF AT 2
9860 / 8647	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
11750 / 9890	DEF AT	DEF AT 2
12441 /10338	DEF AT last sample examined	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 139	Date of Summary: 28-JAN-1998	First Sample Examined:	0
Lease Number: G18040	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15803
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	15798
API Well Number: 177154093400	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation:	99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	61
Public Info Code: Y 26-DEC-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7190 / 7189	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10100 /10099	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12450 /12448	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 148	Date of Summary: 19-JUN-1996	First Sample Examined:	10783
Lease Number: G01960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16452
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD:	16083
API Well Number: 177154089000	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation:	130
Paleo Report Num: 1 of 1	Sample Range: 10783 - 16452	Water Depth:	111
Public Info Code: Y 05-JUL-2006	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description		Eco	ozone
10783 /10546	DEF AT first sample examined	DEF	AT	2
12030 /11734	DEF AT	DEF	AT	3
12900 /12566	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	3
14550 /14185	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
14640 /14275	DEF AT	DEF	AT	4
16452 /16083	DEF AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined:	7300
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD:	10164
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	9968
API Well Number: 177154113600	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 7300 - 10164	Water Depth:	133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ecoz	one
7300 / 7296	DEF	AT first sample examined	DEF	IN	3
7420 / 7415	DEF	AT	DEF	AT	4
7870 / 7860	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	4
8560 / 8533	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
9160 / 9096	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
10164 / 9968	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 159 Date of Summary: 04-OCT-2003 First Sample Examined: 8168 Source of Paleo: OPERATOR 17223 Lease Number: G23925 **Borehole MD:** Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17179 **API Well Number:** 177154113601 **Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 1 of 2 **Sample Range:** 8168 - 17220 Water Depth: 133 Public Info Code: Y 30-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ē	Ecozone
8168 / 8155	DEF	AT first sample examined	DEF	IN	4
8200 / 8186	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN	4
8830 / 8810	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
9190 / 9170	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
12760 /12718	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	4
15420 /15377	POS	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	4
16320 /16277	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	4
16350 /16307	DEF	AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	6
16380 /16337	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
16680 /16637	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	6
16710 /16667	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	6
16830 /16786	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	6
17040 /16996	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	6
17130 /17086	DEF	AT salt	DEF	AT	6
17160 /17116	DEF	AT anhydrite	DEF	AT	6
17220 /17176	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 159 Date of Summary: 15-OCT-2003 First Sample Examined: 16020 Source of Paleo: OPERATOR 17223 Lease Number: G23925 **Borehole MD:** Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17179 **API Well Number:** 177154113601 **Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 2 of 2 Sample Range: 16020 - 17220 Water Depth: 133 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16020 /15977	DEF AT first sample examined	DEF AT
16320 /16277	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16710 /16667	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16830 /16786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17040 /16996	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17130 /17086	DEF AT salt	DEF AT
17220 /17176	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined:	16710
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD:	18297
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	16514
API Well Number: 177154113602	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 16710 - 18270	Water Depth:	133
Public Info Code: Y 30-JUN-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16710 /16063	DEF AT first sample examined	DEF AT
17250 /16223	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18270 /16507	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 160	Date of Summary: 26-JAN-1999	First Sample Examined:	18610
Lease Number: G05606	Source of Paleo: OPERATOR	Borehole MD:	21643
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	19320
API Well Number: 177154095600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation:	115
Paleo Report Num: 1 of 2	Sample Range: 18610 - 21643	Water Depth:	110
Public Info Code: Y 08-OCT-2005	Ecozone Ea MMS: Y	Paleo ID:	001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
18610 /17320	DEF	AT first sample examined	DEF	AT	3
19150 /17658	POS	IN Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
20140 /18272	DEF	AT	DEF	AT	4
21643 /19320	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 160 Date of Summary: 02-FEB-1999 First Sample Examined: 18610 Source of Paleo: OPERATOR Lease Number: G05606 **Borehole MD:** 21643 Well Name: E004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19320 **API Well Number:** 177154095600 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC **Rkb Elevation:** 115 Paleo Report Num: 2 of 2 Sample Range: 18610 - 21643 Water Depth: 110 Public Info Code: Y 08-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
18610 /17320	DEF AT first sample examined	DEF AT
18790 /17434	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20980 /18849	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
21643 /19320	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 172	Date of Summary: 13-JUN-2001	First Sample Examined:	0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13915
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD:	13202
API Well Number: 177154085900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation:	83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	110
Public Info Code: Y 05-AUG-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7500 / 7498	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10410 / 9978	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11620 /10967	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 172	Date of Summary: 06-OCT-1998	First Sample Examined:	0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13356
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD:	13099
API Well Number: 177154086400	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation:	83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	113
Public Info Code: Y 17-SEP-2005	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7680 / 7510	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10230 / 9975	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11015 /10759	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-MAR-2004 Area Block: ST 174 First Sample Examined: 14640 Source of Paleo: OPERATOR Lease Number: G22742 **Borehole MD:** 13702 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 13500 **API Well Number:** 177154108600 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 119 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14640 /	DEF AT first sample examined	DEF AT
14760 /	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14850 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16740 /	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16980 /	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17010 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17910 /	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20040 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21210 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21270 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
23820 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25756 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Source of Paleo: OPERATOR 25756 Lease Number: G22742 **Borehole MD:** Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Shark Prospect

MD/TVD		Paleo Top Description			Ecozone
14640 /14633	DEF	AT first sample examined	DEF	IN	2
14730 /14723	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	2
14760 /14753	DEF	AT faunal change (no faunal increase)	DEF	ΑT	3
14790 /14783	DEF	IN Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
14850 /14843	DEF	AT local marker benthic foram increase	DEF	ΑT	3
14880 /14873	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14910 /14903	DEF	AT faunal change (no faunal increase)	DEF	AT	3
14970 /14963	DEF	AT	DEF	IN	2
15090 /15083	DEF	AT drilling material	POS	ΑT	2
15180 /15173	DEF	AT turbid water facies	POS	ΑT	2
15450 /15443	DEF	AT Bathysiphon fauna	POS	ΑT	2
15480 /15473	DEF	AT faunal change (no faunal increase)	DEF	ΑT	3
15540 /15533	DEF	AT turbid water facies	POS	ΑT	3
15570 /15563	DEF	AT	DEF	ΑT	3
15630 /15623	DEF	AT turbid water facies	POS	ΑT	3
15750 /15743	DEF	AT faunal change (no faunal increase)	DEF	ΑT	3
15840 /15832	POS	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	IN	3
15870 /15862	DEF	AT faunal change (no faunal increase)	DEF	IN	3
15960 /15952	DEF	AT turbid water facies	POS	IN	3
15990 /15982	DEF	AT	DEF	ΑT	3
16080 /16072	DEF	AT	DEF	ΑT	4
16110 /16102	DEF	AT	DEF	IN	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Source of Paleo: OPERATOR Lease Number: G22742 **Borehole MD:** 25756 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		<u> </u>	cozone
16170 /16162	DEF	AT turbid water facies	DEF	IN	2
16320 /16312	DEF	AT	DEF	AT	3
16349 /16341	DEF	AT turbid water facies	POS	AT	3
16350 /16342	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	3
16380 /16372	DEF	AT	DEF	IN	2
16410 /16402	DEF	AT Bathysiphon fauna	DEF	AT	3
16440 /16432	DEF	AT local marker planktic foram increase	DEF	AT	3
16530 /16522	DEF	AT local marker foram increase	DEF	AT	3
16650 /16642	DEF	AT local marker benthic foram increase	DEF	AT	3
16950 /16941	DEF	AT local marker benthic foram increase	POS	AT	3
17010 /17001	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	4
17070 /17061	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
17130 /17121	DEF	AT local marker planktic foram increase	DEF	AT	4
17310 /17301	DEF	AT	DEF	IN	3
17339 /17330	DEF	AT turbid water facies	POS	IN	3
17340 /17331	DEF	AT Arenaceous fauna (local marker)	POS	IN	3
17430 /17421	DEF	AT	DEF	ΑT	3
17520 /17511	DEF	AT local marker foram increase	DEF	AT	4
17550 /17541	DEF	AT	DEF	IN	3
17580 /17571	DEF	AT turbid water facies	POS	IN	3
17610 /17601	DEF	IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
17700 /17691	DEF	AT	DEF	ΑT	3
17730 /17721	DEF	AT	DEF	AT	4
17760 /17751	DEF	AT	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Lease Number: G22742 Source of Paleo: OPERATOR **Borehole MD:** 25756 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		E	cozone
17820 /17811	DEF	AT local marker benthic foram increase	DEF	AT	4
17910 /17901	DEF	AT faunal change (no faunal increase)	DEF	AT	4
17939 /17930	DEF	IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	4
17940 /17931	POS	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
18000 /17991	DEF	AT turbid water facies	POS	AT	4
18090 /18081	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18120 /18111	DEF	AT transported shelf fauna	POS	AT	3
18180 /18171	DEF	AT	DEF	AT	4
18240 /18231	DEF	AT local marker benthic foram increase	DEF	AT	4
18420 /18411	DEF	AT turbid water facies	POS	AT	4
18600 /18591	DEF	AT local marker benthic foram increase	DEF	AT	4
18660 /18651	DEF	AT turbid water facies	POS	AT	4
18750 /18741	DEF	AT Arenaceous fauna (local marker)	POS	AT	4
18780 /18771	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	4
19110 /19100	DEF	AT turbid water facies	POS	AT	4
19170 /19160	DEF	AT Bathysiphon fauna	POS	AT	4
19260 /19250	DEF	AT local marker deep water fauna	DEF	AT	4
19470 /19460	DEF	AT transported shelf fauna	POS	AT	4
19560 /19550	DEF	AT turbid water facies	POS	AT	4
19980 /19970	DEF	AT local marker benthic foram increase	DEF	AT	4
20040 /20030	DEF	AT local marker benthic foram increase	DEF	AT	4
20070 /20060	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	4
20100 /20090	DEF	AT	DEF	IN	3
20190 /20180	DEF	AT	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Lease Number: G22742 Source of Paleo: OPERATOR **Borehole MD:** 25756 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/IVD		Paleo Top Description		ECOZ	zone
20280 /20270	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20340 /20330	DEF	AT	DEF	IN	3
20370 /20360	DEF	AT cement	DEF	AT	4
20429 /20419	DEF	AT turbid water facies	POS	AT	4
20430 /20420	DEF	AT Bathysiphon fauna	POS	AT	4
20460 /20450	DEF	AT	DEF	IN	3
20490 /20480	DEF	AT faunal change (no faunal increase)	DEF	IN	3
20520 /20510	DEF	AT local marker foram increase	DEF	AT	4
20640 /20630	DEF	AT turbid water facies	POS	AT	4
20820 /20810	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
20910 /20900	DEF	AT reworked material	POS	AT	4
21000 /20990	DEF	AT local marker foram increase	DEF	AT	4
21060 /21050	DEF	AT local marker foram increase	DEF	AT	4
21090 /21080	DEF	AT	DEF	IN	3
21209 /21199	DEF	AT Bathysiphon fauna	DEF	AT	5
21210 /21200	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	5
21240 /21230	DEF	AT	DEF	AT	4
21330 /21320	DEF	AT faunal change (no faunal increase)	DEF	AT	4
21390 /21380	DEF	IN local marker planktic foram increase	DEF	AT	4
21450 /21440	DEF	AT	DEF	AT	5
21480 /21470	DEF	AT	DEF	AT	4
21630 /21620	DEF	AT	DEF	IN	3
21689 /21679	DEF	AT turbid water facies	POS	IN	3
21690 /21680	DEF	AT Bathysiphon fauna	POS	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Lease Number: G22742 Source of Paleo: OPERATOR **Borehole MD:** 25756 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/	TVD	Paleo Top Description		Ec	<u>ozone</u>
21750 /2	21740 DE	AT local marker planktic foram increase	DEF	AT	5
21780 /2	21770 DE	AT	DEF	AT	4
21870 /2	21860 DE	AT	DEF	AT	5
21900 /2	21890 DE	AT	DEF	AT	4
21990 /2	21980 DE	AT faunal change (no faunal increase)	DEF	IN	3
22020 /2	22010 DE	AT local marker foram increase	DEF	IN	3
22050 /2	22040 PO	AT Upper Miocene (Tortonian) Cibicides inflata	DEF	AT	5
22140 /2	22130 DE	AT	DEF	AT	4
22230 /2	22220 DE	AT	DEF	AT	5
22260 /2	22250 DE	AT	DEF	AT	4
22290 /2	22280 DE	AT	DEF	AT	5
22320 /2	22310 DE	AT	DEF	AT	4
22380 /2	22370 DE	AT faunal change (no faunal increase)	DEF	AT	4
22560 /2	22550 DE	AT faunal change (no faunal increase)	DEF	AT	4
22650 /2	22640 DE	AT	DEF	IN	3
22710 /2	22700 DE	AT local marker benthic foram increase	DEF	AT	4
22830 /2	22820 DE	AT local marker planktic foram increase	DEF	AT	4
22950 /2	22940 DE	AT turbid water facies	POS	AT	4
22980 /2	22970 DE	AT local marker foram increase	DEF	AT	3
23010 /2	23000 DE	AT local marker planktic foram increase	DEF	AT	5
23070 /2	23060 DE	AT	DEF	AT	4
23100 /2	23090 DE	AT local marker benthic foram increase	DEF	IN	3
23130 /2	23120 DE	AT	DEF	AT	4
23280 /2	23270 PO	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 174 Date of Summary: 10-FEB-2004 First Sample Examined: 14640 Source of Paleo: OPERATOR Lease Number: G22742 **Borehole MD:** 25756 Well Name: 002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 25745 **API Well Number:** 177154113900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 1 **Sample Range:** 14640 - 25756 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD	<u>/TVD</u>		Paleo Top Description		Eco	<u>ozone</u>
23310	/23300	DEF	AT	DEF	AT	4
23370	/23360	DEF	AT	DEF	AT	5
23400	/23390	DEF	AT	DEF	AT	4
23550	/23540	DEF	AT turbid water facies	POS	AT	4
23640	/23630	DEF	AT	DEF	AT	4
23700	/23690	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
24030	/24019	POS	AT foram flood	DEF	AT	5
24060	/24049	DEF	AT	DEF	AT	4
24240	/24229	DEF	IN local marker foram increase	DEF	AT	4
24300	/24289	DEF	AT	DEF	IN	3
24330	/24319	DEF	AT	DEF	AT	4
24420	/24409	DEF	AT	DEF	IN	3
24780	/24769	DEF	AT local marker benthic foram increase	DEF	IN	3
24960	/24949	DEF	AT turbid water facies	POS	IN	3
25000	/24989	DEF	AT	DEF	IN	3
25050	/25039	DEF	AT	DEF	AT	4
25110	/25099	DEF	AT	DEF	IN	3
25170	/25159	DEF	AT local marker planktic foram increase	DEF	AT	4
25229	/25218	POS	AT reworked material	POS	AT	4
25230	/25219	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS	AT	4
25259	/25248	DEF	AT turbid water facies	POS	AT	4
25260	/25249	DEF	AT Arenaceous fauna (local marker)	POS	AT	4
25320	/25309	DEF	AT	DEF	AT	4
25410	/25399	DEF	AT	POS	AT	4

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined:	14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD:	25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation:	114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth:	118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
25440 /25429	DEF AT	DEF IN 3
25619 /25608	POS AT reworked material	DEF AT 4
25620 /25609	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
25680 /25669	DEF AT	DEF IN 3
25756 /25745	DEF AT last sample examined	DEF IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 178 Date of Summary: 13-JAN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G12019 **Borehole MD:** 16313 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 16281 **API Well Number: 177154086300 Drilling Operator: DEVON SFS OPERATING INC Rkb Elevation:** 90 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 154 Public Info Code: Y 13-OCT-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
3949 / 3948	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 4899	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7600 / 7599	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10700 /10699	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11930 /11926	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 193 Date of Summary: 23-APR-1996 First Sample Examined: 0

Lease Number: G12024Source of Paleo: COMPLETION REPORT (WELL SUMMARY)Borehole MD:15788

Well Name: C001 Paleo Done By: OPERATOR Borehole TVD: 13838

API Well Number: 177154084500 Drilling Operator: NEWFIELD EXPLORATION COMPANY Rkb Elevation: 100

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:118

Public Info Code: Y 23-FEB-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

15200 /13378 DEF IN Upper Miocene (Messinian) Textularia "X" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 199 Date of Summary: 02-OCT-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G21671 **Borehole MD:** 9300 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9300 **API Well Number:** 177154107500 Drilling Operator: HUNT PETROLEUM (AEC) INC **Rkb Elevation:** 87 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 128 Public Info Code: Y 30-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	Ecozone
5213 / 5213	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7010 / 7010	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 211 Date of Summary: 28-JAN-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G16435 **Borehole MD:** 12061 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 10902 **API Well Number:** 177164022500 Drilling Operator: IP PETROLEUM COMPANY INC **Rkb Elevation:** 83 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 150 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5750 / 5750	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7180 / 7164	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8400 / 8216	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11464 /10442	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: ST 211 Date of Summary: 02-AUG-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G16435 **Borehole MD:** 10692 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 10378 **API Well Number:** 177164022800 Drilling Operator: IP PETROLEUM COMPANY INC **Rkb Elevation:** 83 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 150 Public Info Code: Y 30-JUN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

_	MD/TVD_		Paleo Top Description		Ecozone
	5700 / 5699	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT
	7200 / 7149	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT
	8375 / 8241	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
	9956 / 9700	POS	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 228 Date of Summary: 11-SEP-1996 First Sample Examined: 4381 Source of Paleo: OPERATOR Lease Number: G10836 **Borehole MD:** 19631 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17767 **API Well Number:** 177164021500 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 1 of 2 **Sample Range:** 4381 - 19590 Water Depth: 235 Public Info Code: Y 15-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			Ecozone
4381 / 4381	DEF	AT first sample examined	POS	AT	3
4382 / 4382	DEF	AT cement	POS	AT	3
4550 / 4550	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	ΑT	3
4850 / 4850	DEF	AT	DEF	AT	4
5480 / 5479	DEF	AT	DEF	IN	5
5510 / 5509	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
5870 / 5869	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	IN	5
6440 / 6439	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
6620 / 6619	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	IN	5
6650 / 6649	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
6770 / 6769	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	5
9170 / 9080	DEF	AT	DEF	AT	6
9320 / 9209	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	ΑT	6
10250 / 9961	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	6
12230 /11491	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
12380 /11613	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
13820 /12880	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	6
17480 /16011	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	6
19160 /17386	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
19340 /17532	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	6
19590 /17734	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 228 Date of Summary: 11-SEP-1996 First Sample Examined: 4381 Lease Number: G10836 Source of Paleo: OPERATOR **Borehole MD:** 19631 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17767 **API Well Number:** 177164021500 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 2 of 2 **Sample Range:** 4381 - 19590 Water Depth: 235 Public Info Code: Y 15-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
4381 / 4381	DEF	AT first sample examined	DEF	AT
4850 / 4850	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
5510 / 5509	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
5930 / 5929	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
6440 / 6439	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
6620 / 6619	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
8000 / 7992	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
9380 / 9260	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
10220 / 9938	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
12170 /11443	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
12770 /11948	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
14690 /13651	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
15020 /13934	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
15050 /13960	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
15860 /14645	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17300 /15863	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
18200 /16596	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
18980 /17240	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
18988 /17247	DEF	AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF	AT
19030 /17281	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
19260 /17467	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
19419 /17596	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 228 Date of Summary: 11-SEP-1996 First Sample Examined: 4381 Source of Paleo: OPERATOR Lease Number: G10836 **Borehole MD:** 19631 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17767 **API Well Number:** 177164021500 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 93 235

Paleo Report Num: 2 of 2 **Sample Range:** 4381 - 19590 Water Depth:

Public Info Code: Y 15-JUL-2006 **Ecozone Eq MMS:**

MD/TVD **Paleo Top Description Ecozone**

DEF AT last sample examined DEF AT 19590 /17734

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 228 Date of Summary: 11-SEP-1996 First Sample Examined: 15517 Source of Paleo: OPERATOR Lease Number: G10836 **Borehole MD:** 21021 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19610 **API Well Number:** 177164021501 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 1 of 2 **Sample Range:** 15517 - 20940 Water Depth: 230 Public Info Code: Y 18-APR-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
15517 /14355	DEF AT first sample examined	DEF AT 6
18320 /16947	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 6
19730 /18333	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20090 /18689	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20330 /18927	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20940 /19530	DEF AT last sample examined	DEF AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 228 Date of Summary: 11-SEP-1996 First Sample Examined: 15517 Lease Number: G10836 Source of Paleo: OPERATOR **Borehole MD:** 21021 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19610 **API Well Number:** 177164021501 Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY **Rkb Elevation:** 93 Paleo Report Num: 2 of 2 **Sample Range:** 15517 - 20940 Water Depth: 230 Public Info Code: Y 18-APR-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
15517 /14355	DEF	AT first sample examined	DEF	AT
15860 /14656	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
17450 /16117	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
18530 /17151	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
19370 /17977	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
19730 /18333	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
19940 /18541	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
20000 /18600	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
20120 /18719	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
20420 /19016	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
20510 /19105	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
20600 /19194	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
20940 /19530	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 05-JUL-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 **Sample Range:** 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Fergana Prospect

MD/TVD	Paleo Top Description		Eco	zone
15000 /14998	DEF AT first sample examined D	EF A	AT	
15001 /14999	DEF AT turbid water facies	EF A	AT	
15090 /15088	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina D	EF A	AT	
15450 /15448	DEF AT faunal change (no faunal increase)	EF I	IN	2
15480 /15478	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina D	EF A	AT	3
15810 /15808	DEF AT local marker foram increase	EF A	AT	3
15870 /15868	DEF AT local marker foram increase	EF A	AT	3
16020 /16017	DEF AT faunal change (no faunal increase)	EF I	IN	2
16110 /16107	DEF AT local marker foram increase	EF I	IN	3
16170 /16167	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae D	EF I	IN	3
16410 /16407	DEF AT faunal change (no faunal increase)	EF A	AT	3
16500 /16497	DEF AT Arenaceous fauna (local marker)	EF A	AT	3
16650 /16647	DEF AT turbid water facies	EF A	AT	3
16740 /16737	DEF AT Arenaceous fauna (local marker)	os A	AT	3
16770 /16767	DEF AT faunal change (no faunal increase)	EF I	IN	3
16860 /16857	DEF AT drilling material D	EF I	IN	3
16890 /16887	DEF AT faunal change (no faunal increase)	EF A	AT	3
17010 /17007	DEF AT turbid water facies	os A	AT	3
17100 /17097	DEF AT turbid water facies	os A	AT	3
17160 /17157	DEF AT faunal change (no faunal increase)	EF A	AT	3
17190 /17187	DEF AT turbid water facies	os A	AT	3
17200 /17197	DEF AT faunal change (no faunal increase)	EF A	AT	3

MD / TVD

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 05-JUL-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 Sample Range: 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD_		Paleo Top Description		Eco	zone
17210 /17207	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17240 /17237	DEF	AT turbid water facies	POS	AT	3
17400 /17397	DEF	AT turbid water facies	POS	AT	3
17430 /17427	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
17460 /17457	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17490 /17487	DEF	AT turbid water facies	POS	AT	3
17520 /17517	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17610 /17607	DEF	AT turbid water facies	POS	AT	3
17640 /17637	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17650 /17647	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	3
17830 /17827	DEF	AT turbid water facies	POS	AT	3
17880 /17877	DEF	AT faunal change (no faunal increase)	DEF	IN	3
17940 /17937	POS	IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
17970 /17967	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	3
18030 /18027	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18060 /18057	DEF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
18090 /18087	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18120 /18117	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18210 /18207	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18240 /18237	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18360 /18357	DEF	AT local marker foram increase	DEF	IN	4
18390 /18386	DEF	AT faunal change (no faunal increase)	DEF	AT	4
18420 /18416	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18450 /18446	DEF	AT turbid water facies	POS	AT	3

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 05-JUL-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 Sample Range: 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		E	cozone
18540 /18536	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18600 /18596	DEF	AT local marker foram increase	DEF	AT	4
18660 /18656	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18690 /18686	DEF	AT local marker foram increase	DEF	AT	4
18750 /18746	DEF	AT turbid water facies	POS	AT	4
18780 /18776	DEF	AT faunal change (no faunal increase)	DEF	AT	3
18810 /18806	DEF	AT local marker foram increase	DEF	AT	3
18900 /18896	DEF	AT turbid water facies	POS	AT	3
18930 /18926	DEF	AT out-of-place section	DEF	AT	3
19050 /19046	DEF	IN Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	2
19200 /19195	DEF	AT faunal change (no faunal increase)	DEF	AT	3
19620 /19615	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19680 /19675	DEF	AT local marker foram increase	DEF	AT	4
19710 /19705	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19740 /19735	DEF	AT foram flood	DEF	IN	4
19830 /19825	DEF	AT faunal change (no faunal increase)	DEF	IN	4
19860 /19855	DEF	AT faunal change (no faunal increase)	DEF	AT	4
19890 /19885	DEF	AT faunal change (no faunal increase)	DEF	AT	3
20040 /20035	DEF	AT local marker foram increase	DEF	AT	4
20070 /20065	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	3
20130 /20125	DEF	AT sample gap top	DEF	AT	3
20160 /20155	DEF	AT sample gap bottom	DEF	AT	3
20280 /20275	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20310 /20305	DEF	AT local marker foram increase	DEF	AT	4

MD/TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 05-JUL-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 Sample Range: 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/ IVD		Paleo Top Description		E	cozone
20340 /20335	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20400 /20395	DEF	AT faunal change (no faunal increase)	DEF	AT	3
20430 /20425	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20550 /20545	DEF	AT faunal change (no faunal increase)	DEF	AT	3
20610 /20605	DEF	AT foram flood	DEF	AT	4
20640 /20635	DEF	AT faunal change (no faunal increase)	DEF	AT	3
20730 /20725	DEF	AT faunal change (no faunal increase)	DEF	AT	4
20850 /20845	DEF	AT local marker foram increase	DEF	AT	4
21090 /21085	DEF	AT foram flood	DEF	IN	4
21120 /21115	DEF	AT faunal change (no faunal increase)	DEF	AT	4
21240 /21235	DEF	AT local marker (general)	DEF	AT	4
21330 /21325	DEF	AT foram flood	DEF	IN	4
21419 /21414	POS	AT reworked material	DEF	IN	4
21420 /21415	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN	4
21480 /21475	DEF	AT faunal change (no faunal increase)	DEF	IN	4
21750 /21745	DEF	AT faunal change (no faunal increase)	DEF	AT	4
21960 /21955	DEF	AT turbid water facies	POS	AT	4
21990 /21985	DEF	AT faunal change (no faunal increase)	DEF	AT	3
22050 /22045	DEF	AT faunal change (no faunal increase)	DEF	AT	3
22469 /22464	POS	AT reworked material	DEF	AT	3
22470 /22465	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
22710 /22705	DEF	AT local marker foram increase	DEF	AT	4
22740 /22735	DEF	AT faunal change (no faunal increase)	DEF	AT	4
22830 /22825	DEF	AT faunal change (no faunal increase)	DEF	AT	3

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 05-JUL-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 1 of 2 Sample Range: 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description		Ecozone
22860 /22855	DEF AT faunal change (no faunal increase)	DEF A	T 4
22890 /22885	DEF AT local marker foram increase	DEF IN	۸ 4
22891 /22886	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN	۸ 4
22919 /22914	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	T 4
22920 /22915	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	T 4
23010 /23005	DEF AT faunal change (no faunal increase)	DEF A	T 4
23400 /23395	DEF AT foram flood	DEF A	T 4
23520 /23515	DEF AT last sample examined	DEF A	T 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: ST 239 Date of Summary: 01-OCT-2002 First Sample Examined: 15000 Source of Paleo: OPERATOR Lease Number: G22754 **Borehole MD:** 23607 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 23601 **API Well Number:** 177164029800 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 114 Paleo Report Num: 2 of 2 **Sample Range:** 15000 - 23520 Water Depth: 174 Public Info Code: Y 31-JUL-2007 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Fergana Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
15000 /14998	DEF	AT first sample examined	DEF /	AT
15090 /15088	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF /	AT
15480 /15478	POS	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF /	AT
15690 /15688	POS	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF /	AT
16170 /16167	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF /	AT
17200 /17197	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF /	AT
18720 /18716	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF /	AT
18840 /18836	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF /	AT
18930 /18926	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF /	AT
19380 /19375	POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF /	AT
19620 /19615	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF /	AT
20760 /20755	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF /	AT
21330 /21325	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF /	AT
21450 /21445	POS	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF /	AT
21630 /21625	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF /	AT
22770 /22765	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF /	AT
23520 /23515	DEF	AT last sample examined	DEF /	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: ST 291	Date of Summary: 03-DEC-1996	First Sample Examined:	0
Lease Number: G16454	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15830
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	12850
API Well Number: 177164021800	Drilling Operator: CAIRN ENERGY USA INC	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	390
Public Info Code: Y 14-DEC-2006	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
7330 / 7328	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
12010 /10520	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
14710 /12138	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14950 /12286	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 68	Date of Summary: 02-JUN-1997	First Sample Examined:	0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	12831
API Well Number: 608164028200	Drilling Operator: CHEVRON USA INC	Rkb Elevation:	86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	98
Public Info Code: Y 09-JUN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5020 / 5020	POS AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8170 / 8170	POS AT Upper (Late) Cretaceous	DEF AT
10275 /10275	POS AT Lower (Early) Cretaceous	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 68	Date of Summary: 24-JUL-1997	First Sample Examined:	0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD:	15396
API Well Number: 608164028500	Drilling Operator: CHEVRON USA INC	Rkb Elevation:	86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	98
Public Info Code: Y 12-IIII -2007	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		<u>Ecozone</u>
8242 / 8242	DEF	AT Upper (Late) Cretaceous	DEF /	AT
10300 /10300	DEF	AT Lower (Early) Cretaceous	DEF /	AT
13800 /13799	DEF	AT Lower Cretaceous Mooringsport Formation	DEF /	AT
15061 /15060	DEF	AT Lower Cretaceous James Formation	DEF /	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 114 Date of Summary: 23-JUN-1998 First Sample Examined: 0

Lease Number: G16536Source of Paleo: COMPLETION REPORT (WELL SUMMARY)Borehole MD:15500

Well Number: 608164029000 Prilling Operator: CHEVRON USA INC.

Borehole TVD: 15500

Rkh Flevation: 96

API Well Number: 608164029000 Drilling Operator: CHEVRON USA INC Rkb Elevation: 96
Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 121

Public Info Code: Y 18-OCT-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

15128 /15126 DEF IN Lower Cretaceous James Formation DEF AT 0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 114	Date of Summary: 01-AUG-2000	First Sample Examined:	0
Lease Number: G16536	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16317
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	15275
API Well Number: 608164036400	Drilling Operator: CHEVRON USA INC	Rkb Elevation:	137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	111
Public Info Code: Y 18-OCT-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>	
14722 /13711	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0	
15040 /14022	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0	
15331 /14307	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0	
15834 /14800	DEF AT Lower Cretaceous James Formation	DEF AT 0	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 114 Date of Summary: 07-JAN-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G19893 **Borehole MD:** 16530 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 15496 **API Well Number:** 608164035100 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 133 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 111 Public Info Code: Y 16-NOV-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
14542 /13685	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14901 /14016	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15212 /14304	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15713 /14762	DEF AT Lower Cretaceous James Formation	DEF AT 0
16308 /15297	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 206	Date of Summary: 17-APR-2001	First Sample Examined:	0
Lease Number: G13980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15410
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD:	14781
API Well Number: 608164037701	Drilling Operator: CHEVRON USA INC	Rkb Elevation:	94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	122
Public Info Code: Y 25-JUN-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7985 / 7767	DEF AT Cretaceous	DEF AT 0
9990 / 9767	DEF AT Lower (Early) Cretaceous	DEF AT 0
14917 /14406	DEF IN Lower Cretaceous James Formation	DEF AT 0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 207 Date of Summary: 17-JUN-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13980 **Borehole MD:** 15875 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 14579 **API Well Number:** 608164025900 **Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 85 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 123 Public Info Code: Y 12-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description			Ecozone
10470 / 9716	DEF	AT Lower (Early) Cretaceous	DEF	AT	
13373 /12306	DEF	AT Lower Cretaceous Paluxy Formation	DEF	AT	
14295 /13159	DEF	AT Lower Cretaceous Mooringsport Formation	DEF	AT	
14772 /13612	DEF	AT Lower Cretaceous Ferry Lake Anhydrite	DEF	AT	
15033 /13855	DEF	AT Lower Cretaceous Rodessa Formation	DEF	AT	
15645 /14393	DEF	AT Lower Cretaceous James Formation	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 208 Date of Summary: 11-MAR-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13981 **Borehole MD:** 14750 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 14749 **API Well Number:** 608164023100 **Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 85 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 118 Public Info Code: Y 01-NOV-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>1</u>		Ecozone
7472 / 7472	DEF AT Upper (Late) Cretaceo	pus	DEF	AT
9522 / 9522	DEF AT Lower (Early) Cretaced	ous	DEF	AT
12180 /12179	DEF AT Lower Cretaceous Pal	luxy Formation	DEF	AT
13052 /13051	DEF AT Lower Cretaceous Mod	oringsport Formation	DEF	AT
13436 /13435	DEF AT Lower Cretaceous Fer	rry Lake Anhydrite	DEF	AT
13760 /13759	DEF AT Lower Cretaceous Roo	dessa Formation	DEF	AT
14324 /14323	DEF AT Lower Cretaceous Jan	nes Formation	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 252 Date of Summary: 05-SEP-2000 0 Lease Number: G13981 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 16127

Paleo Done By: OPERATOR Well Name: 001

Borehole TVD: 14757 **API Well Number:** 608164020700 **Drilling Operator:** CHEVRON USA INC **Rkb Elevation:** 95 120

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: Public Info Code: Y 18-JAN-2005 **Ecozone Eq MMS:** Paleo ID:

Remark:

MD/TVD **Paleo Top Description Ecozone** DEF AT Lower Cretaceous James Formation DEF AT 0 15580 /14338

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 734 Date of Summary: 30-SEP-1997 First Sample Examined: 9360 Source of Paleo: OPERATOR Lease Number: G13672 **Borehole MD:** 14200 Well Name: A001 Paleo Done By: GEORGE J. CONSTANCE, JR. **Borehole TVD:** 13863 **API Well Number:** 608164029300 **Drilling Operator:** EXXONMOBIL OIL CORPORATION **Rkb Elevation:** 108 **Sample Range:** 9360 - 14200 Paleo Report Num: 1 of 1 Water Depth: 320 Public Info Code: Y 11-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
9360 / 9360	DEF	AT first sample examined	DEF A	Г 5
9690 / 9690	DEF	AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF A	Г 5
9840 / 9840	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF A	Г 5
10500 /10499	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	Г 5
12180 /12069	DEF	AT poor sample interval top	DEF A	Г 5
12870 /12676	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF A	Г 5
14199 /13863	DEF	AT poor sample interval bottom	DEF A	Г 5
14200 /13864	DEF	AT last sample examined	DEF A	Г 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 04-MAR-1996 Area Block: VK 741 First Sample Examined: 8010 Lease Number: G13059 Source of Paleo: OPERATOR **Borehole MD:** 11800 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11800 **API Well Number:** 608164023300 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 2 **Sample Range:** 8010 - 11800 Water Depth: 689 Public Info Code: Y 30-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
8010 / 8009	DEF	AT first sample examined	DEF	AT
8011 / 8010	POS	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
8190 / 8189	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
8280 / 8279	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
8370 / 8369	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
8790 / 8789	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
9240 / 9239	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
9570 / 9569	DEF	AT floral flood	DEF	AT
10110 /10108	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
10350 /10348	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
11460 /11458	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
11520 /11518	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
11670 /11668	DEF	AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF	AT
11700 /11698	DEF	AT out-of-place section	DEF	AT
11800 /11798	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 741 Date of Summary: 26-MAR-1996 First Sample Examined: 8010 Lease Number: G13059 Source of Paleo: OPERATOR **Borehole MD:** 11800 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11800 **API Well Number:** 608164023300 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 8010 - 11800 Water Depth: 689 Public Info Code: Y 30-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
8010 / 8009	DEF	AT first sample examined	DEF	IN	4
8040 / 8039	DEF	IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
8070 / 8069	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	5
8100 / 8099	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
8130 / 8129	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	4
8160 / 8159	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	5
8370 / 8369	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	5
8430 / 8429	POS	IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
8460 / 8459	DEF	AT faunal change (no faunal increase)	DEF	AT	4
8610 / 8609	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	IN	4
8640 / 8639	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	4
8730 / 8729	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
9090 / 9089	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
9180 / 9179	DEF	AT limestone	DEF	IN	4
9390 / 9389	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
9570 / 9569	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
9780 / 9778	DEF	AT faunal change (no faunal increase)	DEF	IN	4
10020 /10018	DEF	AT	DEF	IN	3
10110 /10108	DEF	AT	DEF	AT	4
10200 /10198	DEF	AT	DEF	IN	4
10290 /10288	DEF	AT	DEF	AT	4
10320 /10318	DEF	AT pyrite	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 741 Date of Summary: 26-MAR-1996 First Sample Examined: 8010 Lease Number: G13059 Source of Paleo: OPERATOR **Borehole MD:** 11800 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11800 **API Well Number:** 608164023300 **Drilling Operator:** HESS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 2 of 2 **Sample Range:** 8010 - 11800 Water Depth: 689 Public Info Code: Y 30-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecoz	zone
10500 /10498	DEF	AT	DEF	AT	5
10530 /10528	POS	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
10620 /10618	DEF	AT	DEF	IN	4
10680 /10678	DEF	AT	DEF	AT	5
10890 /10888	DEF	AT local marker foram increase	DEF	AT	5
11040 /11038	DEF	AT	DEF	AT	4
11160 /11158	DEF	AT	DEF	IN	4
11220 /11218	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	IN	4
11250 /11248	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	5
11280 /11278	DEF	AT	DEF	IN	5
11310 /11308	DEF	AT foram flood	DEF	IN	5
11430 /11428	DEF	AT	DEF	AT	5
11460 /11458	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
11638 /11636	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	AT	5
11639 /11637	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
11640 /11638	POS	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	5
11669 /11667	DEF	AT out-of-place section	DEF	AT	5
11670 /11668	DEF	AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF	AT	5
11671 /11669	POS	IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF	AT	5
11800 /11798	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 31-JUL-1997 First Sample Examined: 2350 Source of Paleo: OPERATOR Lease Number: G13988 **Borehole MD:** 11064 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10595 **API Well Number:** 608164028900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 2350 - 11064 Water Depth: 1004 Public Info Code: Y 07-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
2350 / 2350	DEF	AT first sample examined	DEF	AT	4
2351 / 2351	DEF	IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
2380 / 2380	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	4
2590 / 2590	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
3010 / 3010	DEF	AT local marker foram increase	POS	AT	4
3160 / 3160	DEF	AT faunal change (no faunal increase)	DEF	IN	3
3190 / 3190	DEF	AT faunal change (no faunal increase)	POS	AT	4
3220 / 3220	DEF	AT faunal change (no faunal increase)	POS	IN	3
3248 / 3248	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
3249 / 3249	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT	4
3250 / 3250	DEF	AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF	AT	4
3400 / 3400	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	4
3520 / 3520	DEF	AT local marker planktic foram increase	DEF	AT	4
4030 / 4030	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	4
4120 / 4120	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
4150 / 4150	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
4240 / 4240	DEF	AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	AT	4
4960 / 4960	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
5440 / 5440	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	4
5800 / 5800	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
5830 / 5830	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
5860 / 5860	DEF	AT limestone	DEF	AT	4

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 31-JUL-1997 First Sample Examined: 2350 Lease Number: G13988 Source of Paleo: OPERATOR **Borehole MD:** 11064 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10595 **API Well Number:** 608164028900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 2350 - 11064 Water Depth: 1004 Public Info Code: Y 07-SEP-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/T	<u>VD</u>		Paleo Top Description		Ecoz	:one
5950 / 5	5950 P	os	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
6010 / 6	6010 D)EF	AT local marker benthic foram increase	DEF	AT	4
6130 / 6	6130 D)EF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
6280 / 6	6280 D)EF	AT Cyclammina sp. (local marker)	DEF	AT	4
6550 / 6	6548 D)EF	AT faunal change (no faunal increase)	DEF	IN	3
6670 / 6	6666 D)EF	AT faunal change (no faunal increase)	DEF	AT	4
6730 / 6	6725 D)EF	AT local marker foram increase	DEF	AT	4
6760 / 6	6754 D)EF	AT local marker benthic foram increase	DEF	AT	4
7090 / 7	7073 D)EF	AT faunal change (no faunal increase)	DEF	IN	3
7240 / 7	7214 D)EF	AT faunal change (no faunal increase)	POS	AT	4
7270 / 7	7241 D)EF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	3
7810 / 7	7726 D)EF	AT faunal change (no faunal increase)	DEF	AT	3
8080 / 7	7964 D)EF	AT Arenaceous fauna (local marker)	DEF	AT	3
8170 / 8	8043 D)EF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	3
8260 / 8	8123 P	OS	AT Upper Miocene (Tortonian) Bigenerina "B"	DEF	IN	3
8350 / 8	8203 P	os	IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	3
8440 / 8	3284 D)EF	AT faunal change (no faunal increase)	DEF	AT	4
8470 / 8	8311 D)EF	AT faunal change (no faunal increase)	DEF	IN	3
8560 / 8	3391 D)EF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	3
9130 / 8	8896 P	os	AT local marker planktic foram increase	DEF	IN	3
9250 / 9	9002 D)EF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
9340 / 9	9081 D)EF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
9430 / 9	9161 D)EF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
9610 / 9	9319 D)EF	AT faunal change (no faunal increase)	DEF	IN	3

This report contains public paleo reports only for the time period stated

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 31-JUL-1997 First Sample Examined: 2350 Lease Number: G13988 Source of Paleo: OPERATOR **Borehole MD:** 11064 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10595 **API Well Number:** 608164028900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 Sample Range: 2350 - 11064 Water Depth: 1004 Public Info Code: Y 07-SEP-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description			Eco	zone
9970 / 9636	DEF	AT local marker foram increase	DEI	F	AT	4
10060 / 9715	DEF	AT faunal change (no faunal increase)	DEI	F	IN	3
10239 / 9872	DEF	AT local marker benthic foram increase	DEI	F	IN	3
10240 / 9873	DEF	AT Cyclammina cancellata (local marker)	DEI	F	IN	3
10270 / 9899	DEF	AT faunal change (no faunal increase)	DEI	F	AT	4
10480 /10083	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEI	F	AT	4
10630 /10214	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEI	F	AT	4
10660 /10240	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEI	F	AT	5
10900 /10451	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEI	F	AT	5
11020 /10556	DEF	AT limestone	DEI	F	AT	5
11064 /10595	DEF	AT last sample examined	DEI	F	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 14-AUG-1997 First Sample Examined: 2350 Lease Number: G13988 Source of Paleo: OPERATOR **Borehole MD:** 11064 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10595 **API Well Number:** 608164028900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 Sample Range: 2350 - 11064 Water Depth: 1004 Public Info Code: Y 07-SEP-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/	TVD		Paleo Top Description		Ecozone
2350 /	2350	DEF	AT first sample examined	DEF	AT
2351 /	2351	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
2410 /	2410	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
2590 /	2590	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
2650 /	2650	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
3310 /	3310	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
3430 /	3430	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
3550 /	3550	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
4090 /	4090	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
4870 /	4870	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
5050 /	5050	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF	AT
5710 /	5710	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
5890 /	5890	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
6010 /	6010	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
7030 /	7016	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
7330 /	7297	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
8170 /	8043	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
8230 /	8097	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
8350 /	8203	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
8950 /	8738	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
9250 /	9002	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
9430 /	9161	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 14-AUG-1997 First Sample Examined: 2350 Lease Number: G13988 Source of Paleo: OPERATOR **Borehole MD:** 11064 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10595 **API Well Number:** 608164028900 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 Sample Range: 2350 - 11064 Water Depth: 1004 Public Info Code: Y 07-SEP-2007 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10270 / 9899	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10330 / 9951	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10510 /10109	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10930 /10477	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10990 /10530	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11064 /10595	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 10-SEP-1997 First Sample Examined: 5600 Source of Paleo: OPERATOR Lease Number: G13988 **Borehole MD:** 12925 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9756 **API Well Number:** 608164028901 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 1 of 2 **Sample Range:** 5600 - 12925 Water Depth: 1004 Public Info Code: Y 01-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/	TVD		Paleo Top Description		Ecozone
5600 /	5600	DEF	AT first sample examined	DEF	AT
5601 /	5601	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
5780 /	5780	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
6320 /	6314	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
6740 /	6712	DEF	AT local marker floral increase	DEF	AT
6800 /	6768	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
7220 /	7147	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
7340 /	7249	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
7520 /	7396	DEF	AT floral flood	DEF	AT
8300 /	7959	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
8360 /	7997	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
8420 /	8034	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
8600 /	8138	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
9260 /	8419	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
10400 /	8839	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
10520 /	8882	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
11240 /	9139	DEF	AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF	AT
11540 /	9251	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
11600 /	9273	DEF	AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF	AT
11840 /	9359	DEF	AT floral flood	DEF	AT
12320 /	9531	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
12925 /	9756	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 17-SEP-1997 First Sample Examined: 5600 Source of Paleo: OPERATOR Lease Number: G13988 **Borehole MD:** 12925 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9756 **API Well Number:** 608164028901 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 5600 - 12925 Water Depth: 1004 Public Info Code: Y 01-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo T	Top Description		Ec	ozone
5660 / 5660	DEF AT first sar	mple examined	DEF	AT	3
5690 / 5690	POS IN Upper I	Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	4
5839 / 5839	DEF AT limesto	one	DEF	IN	3
5840 / 5840	DEF AT Upper I	Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	3
6020 / 6019	DEF AT local m	arker foram increase	DEF	IN	3
6200 / 6197	DEF AT local m	arker foram increase	DEF	AT	3
6740 / 6712	DEF AT local m	arker foram increase	DEF	IN	3
6860 / 6824	DEF AT limesto	one	DEF	IN	3
6890 / 6851	DEF AT local m	arker benthic foram increase	DEF	IN	3
6920 / 6879	DEF AT faunal of	change (no faunal increase)	DEF	AT	3
7310 / 7224	DEF AT Upper I	Miocene (Tortonian) Cristellaria "K"	DEF	AT	3
7520 / 7396	POS AT Arenac	eous fauna (local marker)	DEF	AT	3
7820 / 7624	DEF AT Arenac	eous fauna (local marker)	DEF	AT	3
8180 / 7879	DEF AT faunal of	change (no faunal increase)	DEF	IN	2
8240 / 7919	DEF AT faunal of	change (no faunal increase)	DEF	AT	3
8270 / 7939	DEF AT faunal of	change (no faunal increase)	DEF	IN	3
8300 / 7959	DEF AT Upper I	Miocene (Tortonian) Globorotalia lenguaensis	DEF	IN	3
8420 / 8034	DEF AT Upper I	Miocene (Tortonian) Bigenerina "B"	DEF	IN	3
8630 / 8154	DEF AT local m	arker foram increase	POS	AT	4
8690 / 8186	DEF AT faunal of	change (no faunal increase)	DEF	IN	3
8810 / 8245	DEF AT Upper I	Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
8840 / 8258	DEF AT faunal of	change (no faunal increase)	DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 742 Date of Summary: 17-SEP-1997 First Sample Examined: 5600 Lease Number: G13988 Source of Paleo: OPERATOR **Borehole MD:** 12925 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 9756 **API Well Number:** 608164028901 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 80 Paleo Report Num: 2 of 2 **Sample Range:** 5600 - 12925 Water Depth: 1004 Public Info Code: Y 01-OCT-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		E	cozone
9110 / 8366	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	3
9260 / 8419	DEF	AT faunal change (no faunal increase)	DEF	AT	3
10460 / 8860	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	IN	3
10490 / 8871	DEF	AT faunal change (no faunal increase)	POS	AT	4
10640 / 8924	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
10760 / 8966	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12110 / 9455	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12170 / 9476	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12230 / 9498	DEF	AT faunal change (no faunal increase)	DEF	AT	3
12320 / 9531	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	3
12470 / 9586	DEF	AT faunal change (no faunal increase)	DEF	IN	3
12500 / 9597	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
12620 / 9642	DEF	AT local marker foram increase	DEF	AT	4
12710 / 9675	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	AT	4
12770 / 9698	DEF	AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF	AT	4
12860 / 9732	DEF	AT limestone	DEF	AT	4
12925 / 9756	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 780 Date of Summary: 24-JAN-1996 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G06884 **Borehole MD:** 14600 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 13563 **API Well Number:** 608164021200 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 8000 - 14600 Water Depth: 970 Public Info Code: Y 07-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	ozone
8000 / 8000	DEF	AT first sample examined	DEF	AT	4
8180 / 8180	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
9260 / 9260	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	4
9530 / 9530	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
9770 / 9769	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	4
9860 / 9858	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
10460 /10447	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
10550 /10534	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	4
10730 /10705	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
12650 /12173	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
13700 /12898	POS	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT	4
14420 /13427	DEF	IN Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	4
14600 /13563	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 780 Date of Summary: 24-JAN-1996 First Sample Examined: 9300 Source of Paleo: OPERATOR Lease Number: G06884 **Borehole MD:** 15547 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 12540 **API Well Number:** 608164021201 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 9300 - 15840 Water Depth: 960 Public Info Code: Y 14-OCT-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, 10500=Gyroidina scalata

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9300 / 9300	DEF AT first sample examined	DEF AT 4
9840 / 9832	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
9870 / 9861	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10410 /10331	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
10470 /10379	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
10500 /10402	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10770 /10606	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11040 /10790	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12450 /11453	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 3
13110 /11685	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15840 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 780 Date of Summary: 24-JUN-1996

First Sample Examined: **Borehole MD:**

Lease Number: G06884 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Well Name: A006

Paleo Done By: OPERATOR **Borehole TVD:** 10997

API Well Number: 608164026100 **Drilling Operator: SHELL OFFSHORE INC**

Rkb Elevation: 74 Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 970

Public Info Code: Y 19-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD **Paleo Top Description Ecozone**

DEF AT Upper Miocene (Tortonian) Uvigerina 3 DEF AT 10859 /10689

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 783 Date of Summary: 08-SEP-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06886 **Borehole MD:** 11790 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 10106 **API Well Number:** 608164022301 **Drilling Operator: SHELL DEEPWATER PRODUCTION INC Rkb Elevation:** 72 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1450

Remark: In=sand

Public Info Code: Y 12-SEP-2006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8770 / 8769	DEF IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
10577 / 9843	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Ecozone Eq MMS:

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 783 Date of Summary: 08-SEP-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06886 **Borehole MD:** 16512 Paleo Done By: OPERATOR Well Name: A003 **Borehole TVD:** 10384 **API Well Number:** 608164022501 **Drilling Operator: SHELL DEEPWATER PRODUCTION INC Rkb Elevation:** 72 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1451 Public Info Code: Y 07-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9446 / 8195	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
12424 / 9992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 25-JUL-1995 First Sample Examined: 3160 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 10854 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10850 **API Well Number:** 608164021100 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 73 Paleo Report Num: 1 of 2 Sample Range: 3160 - 10854 Water Depth: 1754 Public Info Code: Y 13-AUG-2005 Paleo ID: 003 **Ecozone Eq MMS:**

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3160 / 3156	DEF	AT first sample examined	DEF	AT
3161 / 3157	DEF	IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
3280 / 3276	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
3400 / 3396	DEF	AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF	AT
3520 / 3516	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
3640 / 3636	DEF	AT Upper Pliocene (Gelasian) Calcidiscus macintyrei (increase)	DEF	AT
3700 / 3696	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
4180 / 4176	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
4240 / 4236	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
4540 / 4536	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
5140 / 5136	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
5260 / 5256	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF	AT
5620 / 5616	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
5980 / 5976	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
6820 / 6816	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
7180 / 7176	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
7240 / 7236	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
8380 / 8376	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
8440 / 8436	DEF	AT floral flood	DEF	AT
8500 / 8496	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
8860 / 8856	DEF	AT local marker floral increase	DEF	AT
9160 / 9156	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 25-JUL-1995 First Sample Examined: 3160 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 10854 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10850 **API Well Number:** 608164021100 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 73 Paleo Report Num: 1 of 2 Sample Range: 3160 - 10854 Water Depth: 1754 Public Info Code: Y 13-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 003

MD/IVD	Paleo Top Description	<u>Ecozone</u>
9340 / 9336	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10120 /10116	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10854 /10850	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 25-AUG-1995 First Sample Examined: 3160 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 10854 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10850 **API Well Number:** 608164021100 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 73 Paleo Report Num: 2 of 2 Sample Range: 3160 - 10854 Water Depth: 1754 Public Info Code: Y 13-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ec	ozone
3160 / 3156	DEF	AT first sample examined	DEF	AT	5
3161 / 3157	DEF	IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
3280 / 3276	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
3400 / 3396	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	5
3490 / 3486	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	4
3550 / 3546	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
3670 / 3666	DEF	AT foram flood	DEF	AT	5
3760 / 3756	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	IN	4
4120 / 4116	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	IN	4
4180 / 4176	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	4
4540 / 4536	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
4750 / 4746	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
5080 / 5076	DEF	AT faunal change (no faunal increase)	DEF	IN	3
5110 / 5106	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	IN	3
5260 / 5256	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	4
5290 / 5286	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
5560 / 5556	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	IN	3
5830 / 5826	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	3
5950 / 5946	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	3
6010 / 6006	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	3
6310 / 6306	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
6370 / 6366	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 25-AUG-1995 First Sample Examined: 3160 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 10854 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10850 **API Well Number:** 608164021100 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 73 Paleo Report Num: 2 of 2 Sample Range: 3160 - 10854 Water Depth: 1754 Public Info Code: Y 13-AUG-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/T	TVD_		Paleo Top Description		Ec	ozone
6400 / 6	6396 I	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
7000 / 6	6996 I	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	3
7150 / 7	7146 I	DEF	AT Upper Miocene (Tortonian) Textularia 6	DEF	IN	3
7240 / 7	7236 I	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	IN	3
7390 / 7	7386 I	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	3
7810 / 7	7806 I	DEF	AT local marker benthic foram increase	DEF	AT	3
7840 / 7	7836 I	DEF	AT local marker planktic foram increase	DEF	AT	3
8020 / 8	8016 I	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	2
8170 / 8	8166 I	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	2
8260 / 8	8256 I	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	3
8380 / 8	8376 I	DEF	AT Arenaceous fauna (local marker)	DEF	AT	3
8440 / 8	8436 I	DEF	AT local marker planktic foram increase	DEF	AT	3
8530 / 8	8526 I	DEF	AT Upper Miocene (Tortonian) Textularia "G"	DEF	AT	4
8590 / 8	8586 I	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	4
8680 / 8	8676 I	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
8950 / 8	8946 I	DEF	AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF	AT	3
9100 / 9	9096 I	DEF	AT local marker deep water fauna	DEF	IN	3
9190 / 9	9186 I	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
9280 / 9	9276 I	DEF	AT local marker benthic foram increase	DEF	AT	4
9340 / 9	9336 I	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
9580 / 9	9576 I	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
9670 / 9	9666 I	DEF	AT faunal change (no faunal increase)	DEF	AT	3
9940 / 9	9936 I	DEF	AT Eggerella sp. (local marker)	DEF	IN	3
10000 / 9	9996 I	DEF	AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 25-AUG-1995 First Sample Examined: 3160 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 10854 Well Name: A001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10850 **API Well Number:** 608164021100 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 73 Paleo Report Num: 2 of 2 Sample Range: 3160 - 10854 Water Depth: 1754 Public Info Code: Y 13-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD		Paleo Top Description		Ecozone
10090 /10086	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN	4
10570 /10566	DEF	IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN	4
10599 /10595	DEF	AT foram flood	DEF A	Г 5
10600 /10596	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF A	Г 5
10689 /10685	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF A	Г 5
10690 /10686	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF A	Г 5
10750 /10746	DEF	AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF A	Г 5
10809 /10805	DEF	AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF A	Г 5
10810 /10806	POS	AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF A	Г 5
10854 /10850	DEF	AT last sample examined	DEF A	Г 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 15-JAN-1996 First Sample Examined: 5356 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 11554 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10487 **API Well Number:** 608164022600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 5356 - 11546 Water Depth: 1754 Public Info Code: Y 17-JAN-2006 Paleo ID: 003 **Ecozone Eq MMS:**

Remark: Petronius Prospect, calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
5356 / 5356	DEF	AT first sample examined	DEF	AT
5357 / 5357	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
5656 / 5655	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
6016 / 6003	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6196 / 6169	DEF	AT sample gap top	DEF	AT
6666 / 6573	DEF	AT sample gap bottom	DEF	AT
7026 / 6866	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
7446 / 7201	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
8886 / 8352	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
9126 / 8543	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
9586 / 8906	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
9646 / 8954	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
10126 / 9332	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
10606 / 9713	DEF	AT local marker floral decrease	DEF	AT
10726 / 9807	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
10946 / 9983	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
11146 /10146	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
11336 /10304	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT
11396 /10354	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT
11456 /10405	DEF	AT local marker floral decrease	DEF	AT
11545 /10480	DEF	AT reworked material	DEF	AT
11546 /10481	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 17-JAN-1996 First Sample Examined: 5356 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 11554 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 10487 **API Well Number:** 608164022600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 5356 - 11546 Water Depth: 1754 Public Info Code: Y 17-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Petronius Prospect

MD/TVI	0	Paleo Top Description		E	Ecozone
5356 / 53	56 DEF	AT first sample examined	DEF	AT	4
5357 / 53	57 DEF	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	4
5416 / 54	16 DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	4
5596 / 55	95 DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
5626 / 56	25 DEF	AT local marker benthic foram increase	DEF	AT	3
5656 / 56	55 DEF	AT faunal change (no faunal increase)	DEF	IN	3
6016 / 60	03 POS	AT reworked material	DEF	IN	3
6166 / 61	42 DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	3
6196 / 61	69 DEF	AT sample gap top	POS	IN	3
6666 / 65	73 DEF	AT sample gap bottom	DEF	IN	3
7026 / 68	66 DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
7056 / 68	90 DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	3
7266 / 70	58 DEF	AT local marker benthic foram increase	DEF	IN	3
8896 / 83	60 DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	3
9106 / 85	27 DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	IN	3
9586 / 89	06 DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	3
9646 / 89	54 DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
9766 / 90	48 DEF	AT faunal change (no faunal increase)	DEF	IN	3
9796 / 90	71 DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
10736 / 98	15 DEF	AT glauconite	DEF	AT	4
10766 / 98	39 DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
10826 / 98	86 DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 17-JAN-1996 First Sample Examined: 5356 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 11554 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. Well Name: A002 **Borehole TVD:** 10487 **API Well Number:** 608164022600 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 5356 - 11546 Water Depth: 1754 Public Info Code: Y 17-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD		Paleo Top Description		<u> </u>	<u>Ecozone</u>
10856 / 9910	DEF	AT shell fragments	DEF	IN	4
10886 / 9934	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	IN	4
10946 / 9983	DEF	AT foram flood	DEF	AT	5
10976 /10007	DEF	AT out-of-place section	DEF	AT	5
11005 /10031	DEF	AT limestone	DEF	AT	5
11006 /10032	DEF	AT foram flood	DEF	AT	5
11007 /10032	POS	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	5
11246 /10229	DEF	AT local marker foram decrease	DEF	AT	5
11275 /10253	POS	AT reworked material	POS	AT	5
11276 /10254	POS	AT Upper (Late) Cretaceous	POS	AT	5
11306 /10279	DEF	AT limestone	DEF	AT	5
11366 /10329	DEF	AT limestone	DEF	AT	5
11546 /10481	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 02-FEB-1996 First Sample Examined: 5500 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 14050 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11324 **API Well Number:** 608164022601 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 5500 - 14020 Water Depth: 1754 Public Info Code: Y 19-FEB-2006 Paleo ID: 002 **Ecozone Eq MMS:**

Remark: Petronius Prospect, calcareous nannofossil report

N	ID/TVD		Paleo Top Description		Ecozone
550	00 / 5500	DEF	AT first sample examined	DEF	AT
550	01 / 5501	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
562	20 / 5619	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
610	00 / 6087	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
712	20 / 6972	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
754	10 / 7256	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
898	80 / 8166	DEF	AT local marker floral decrease	DEF	AT
952	20 / 8514	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
1036	60 / 9059	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF	AT
1042	20 / 9098	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
1066	60 / 9251	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
1096	60 / 9441	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
1204	10 /10113	DEF	AT local marker floral decrease	DEF	AT
1263	9 /10466	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
1264	0 /10466	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
1300	00 /10680	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
1384	0 /11198	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT
1402	20 /11306	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 07-FEB-1996 First Sample Examined: 5500 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 14050 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11324 **API Well Number:** 608164022601 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 5500 - 14050 Water Depth: 1754 Public Info Code: Y 19-FEB-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Petronius Prospect

MD/TVD		Paleo Top Description		E	cozone
5500 / 5500	DEF	AT first sample examined	DEF	AT	3
5501 / 5501	DEF	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
5619 / 5618	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	3
5620 / 5619	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	3
5680 / 5679	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	3
5830 / 5826	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	3
6070 / 6058	DEF	AT local marker benthic foram increase	DEF	IN	3
6100 / 6087	POS	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	IN	3
6550 / 6505	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
6940 / 6833	DEF	AT Cyclammina sp. (local marker)	DEF	AT	3
7240 / 7059	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	3
7330 / 7119	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	3
7540 / 7256	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	3
9220 / 8320	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	3
9490 / 8495	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	IN	3
9610 / 8573	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	IN	3
10450 / 9117	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	3
10630 / 9232	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
11320 / 9680	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	3
12530 /10401	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	3
12899 /10620	DEF	AT pyrite	DEF	AT	3
12900 /10620	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 07-FEB-1996 First Sample Examined: 5500 Source of Paleo: OPERATOR Lease Number: G12119 **Borehole MD:** 14050 Well Name: A002 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11324 **API Well Number:** 608164022601 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 5500 - 14050 Water Depth: 1754 Public Info Code: Y 19-FEB-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD	Paleo Top Description		Ecoz	<u>one</u>
13039 /10704	DEF AT pyrite	DEF	AT	3
13040 /10705	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	3
13260 /10842	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	4
13280 /10854	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
13300 /10867	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	IN	4
13740 /11137	DEF AT foram flood	DEF	AT	5
13820 /11185	DEF AT local marker planktic foram increase	DEF	AT	5
13840 /11198	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF	AT	5
13860 /11210	DEF AT limestone	DEF	AT	5
14050 /11325	DEF AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 First Sample Examined: 8010 Date of Summary: 11-MAR-1996 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 16695 Well Name: A003 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11085 **API Well Number:** 608164022700 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 8010 - 16700 Water Depth: 1754 Public Info Code: Y 30-MAR-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
8010 / 6437	DEF	AT first sample examined	DEF	AT
8011 / 6437	DEF	IN floral flood	DEF	AT
8012 / 6438	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
8250 / 6569	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
8730 / 6828	POS	AT local marker floral decrease	DEF	AT
8790 / 6859	DEF	AT floral flood	DEF	AT
9500 / 7231	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
10770 / 7898	POS	AT local marker floral decrease	DEF	AT
12030 / 8574	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
13200 / 9201	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus (very rare)	DEF	AT
13260 / 9232	POS	AT local marker floral decrease	DEF	AT
13680 / 9455	DEF	AT floral flood	DEF	AT
13920 / 9588	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
14940 /10133	DEF	AT local marker floral decrease	DEF	AT
15120 /10231	DEF	AT floral flood	DEF	AT
15360 /10363	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
15420 /10396	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
15540 /10462	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
16140 /10787	DEF	AT local marker floral decrease	DEF	AT
16700 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 786 Date of Summary: 18-MAR-1996 First Sample Examined: 8010 Lease Number: G12119 Source of Paleo: OPERATOR **Borehole MD:** 16695 Well Name: A003 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 11085 **API Well Number:** 608164022700 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 8010 - 16700 Water Depth: 1754 Public Info Code: Y 30-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecozone
8010 / 6437	DEF	AT first sample examined	DEF A	AT 3
8011 / 6437	DEF	IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF A	AT 3
8130 / 6503	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF A	AT 3
9540 / 7252	DEF	IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF A	AT 3
9570 / 7268	DEF	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF A	AT 3
9660 / 7316	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF II	N 3
10320 / 7664	DEF	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF II	N 3
11340 / 8199	DEF	AT faunal change (no faunal increase)	DEF A	AT 3
11880 / 8492	DEF	AT Eggerella sp. (local marker)	DEF A	AT 3
12330 / 8737	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF A	AT 3
13890 / 9572	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	AT 3
14070 / 9670	DEF	AT local marker benthic foram increase	DEF A	AT 3
15540 /10462	DEF	IN Middle Miocene (Serravallian) Cristellaria "I"	DEF A	AT 3
15900 /10657	DEF	AT faunal change (no faunal increase)	DEF A	AT 4
16700 /	DEF	AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 817	Date of Summary: 15-DEC-1995	First Sample Examined:	0
Lease Number: G09743	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	5850
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	4723
API Well Number: 608164021500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation:	145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	670
Public Info Code: Y 12-DEC-2005	Ecozone Eq MMS: Y	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Ecozone
4569 / 3870	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT	
4962 / 4131	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 817 Date of Summary: 04-MAR-1996 First Sample Examined: 0 Lease Number: G09743 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 4937 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 4662 **Drilling Operator:** FLEXTREND DEVELOPMENT COMPANY LLC **API Well Number:** 608164023000 **Rkb Elevation:** 145 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 670 Public Info Code: Y 24-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4016 / 3941	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4321 / 4178	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 823 Date of Summary: 06-MAY-1997 3105 Source of Paleo: OPERATOR 13312 Lease Number: G10942 **Borehole MD:** Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13308 **API Well Number:** 608164028100 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 71 Paleo Report Num: 1 of 2 **Sample Range:** 3105 - 13312 Water Depth: 1132 Public Info Code: Y 01-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
3105 / 3105	DEF	AT first sample examined	DEF	AT	5
3280 / 3280	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
3640 / 3640	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
3850 / 3850	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	5
3880 / 3880	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
5410 / 5410	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
5740 / 5740	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	6
5770 / 5770	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
6760 / 6760	DEF	AT	DEF	AT	5
7720 / 7720	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	5
8200 / 8200	DEF	AT	DEF	AT	4
8320 / 8320	DEF	AT	DEF	AT	3
10210 /10210	DEF	AT foram flood	DEF	AT	3
11020 /11019	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	3
11650 /11649	DEF	AT	DEF	AT	4
13312 /13308	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 823 Date of Summary: 20-MAY-1997 First Sample Examined: 7510 Lease Number: G10942 Source of Paleo: OPERATOR **Borehole MD:** 13312 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13308 **API Well Number:** 608164028100 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 71 Paleo Report Num: 2 of 2 **Sample Range:** 7510 - 13312 Water Depth: 1132 Public Info Code: Y 01-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u>Ecozone</u>
7510 / 7510	DEF	AT first sample examined	DEF	AT
7630 / 7630	POS	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
8769 / 8769	DEF	AT condensed section	DEF	AT
8770 / 8770	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
10209 /10209	DEF	AT floral flood	DEF	AT
10210 /10210	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
10929 /10928	DEF	AT condensed section	DEF	AT
10930 /10929	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
11349 /11348	DEF	AT floral flood	DEF	AT
11350 /11349	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
12159 /12158	DEF	AT floral flood	DEF	AT
12160 /12159	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
12340 /12339	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
13312 /13308	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 823 Date of Summary: 05-NOV-1997 First Sample Examined: 3150 Lease Number: G10942 Source of Paleo: OPERATOR **Borehole MD:** 16440 Well Name: A002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14841 **API Well Number:** 608164029100 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 84 Paleo Report Num: 1 of 2 **Sample Range:** 3150 - 16440 Water Depth: 1132 Public Info Code: Y 28-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
3150 / 3150	DEF	AT first sample examined	DEF	AT	5
3270 / 3270	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
3420 / 3420	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
3570 / 3570	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
3750 / 3749	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	5
3840 / 3838	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
5400 / 5299	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
5880 / 5709	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	6
5940 / 5761	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	6
6660 / 6377	DEF	AT	DEF	AT	5
7050 / 6708	DEF	AT	DEF	AT	4
7470 / 7064	DEF	AT	DEF	AT	3
7800 / 7344	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
8220 / 7701	DEF	AT	DEF	AT	4
8340 / 7803	DEF	AT	DEF	AT	3
10780 / 9895	DEF	AT	DEF	AT	4
11320 /10362	DEF	AT	DEF	AT	3
11350 /10387	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	3
12400 /11287	DEF	AT	DEF	AT	4
12490 /11363	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
12550 /11414	DEF	AT	DEF	AT	3
13390 /12136	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14841
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15380 /13868	DEF AT	DEF AT 4
15710 /14165	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16390 /14794	DEF AT	DEF AT 5
16420 /14822	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16440 /14841	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 823 Date of Summary: 05-NOV-1997 First Sample Examined: 3150 Lease Number: G10942 Source of Paleo: OPERATOR **Borehole MD:** 16440 Well Name: A002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14841 **API Well Number:** 608164029100 Drilling Operator: TOTAL E&P USA INC **Rkb Elevation:** 84 Paleo Report Num: 2 of 2 **Sample Range:** 3150 - 16440 Water Depth: 1132 Public Info Code: Y 28-OCT-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
3150 / 3150	DEF	AT first sample examined	DEF	AT
3151 / 3151	DEF	IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
3209 / 3209	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
3210 / 3210	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
3390 / 3390	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
3570 / 3570	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
3900 / 3898	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
5010 / 4961	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
5460 / 5350	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
5880 / 5709	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT
5940 / 5761	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6900 / 6581	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
8400 / 7854	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
9510 / 8801	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
10440 / 9602	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
11350 /10387	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
11890 /10851	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
12182 /11101	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF	AT
12280 /11184	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
12400 /11287	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
12550 /11414	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
13920 /12594	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT

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Ecozone

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 28-OCT-2007

Area Block: VK 823 Date of Summary: 05-NOV-1997 First Sample Examined:

Lease Number: G10942 Source of Paleo: OPERATOR Borehole MD:

Well Name: A003

Well Name:A002Paleo Done By:PALEO-DATA, INC.Borehole TVD:14841API Well Number:608164029100Drilling Operator:TOTAL E&P USA INCRkb Elevation:84

Paleo Report Num: 2 of 2 Sample Range: 3150 - 16440 Water Depth: 1132

16440 /14841 DEF AT last sample examined DEF AT

Ecozone Eq MMS:

Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 826 Date of Summary: 18-JUN-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06888 **Borehole MD:** 12100 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 11025 **API Well Number:** 608164019401 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 1932 Public Info Code: Y 19-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8988 / 8987	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9558 / 9538	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11076 /10527	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 826 Date of Summary: 22-APR-1997 First Sample Examined: 0 Lease Number: G06888 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11275 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 10674 **API Well Number:** 608164021900 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1935 Public Info Code: Y 20-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5032 / 4964	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5516 / 5402	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
5725 / 5594	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6082 / 5921	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6650 / 6441	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7936 / 7611	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8502 / 8130	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9130 / 8702	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11006 /10423	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 826 Date of Summary: 24-DEC-2000 First Sample Examined: 0 Lease Number: G06888 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 11610 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 9304 **API Well Number:** 608164022000 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1925 Public Info Code: Y 11-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	Ecozone
5936 / 5077	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6159 / 5216	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6624 / 5503	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7852 / 6247	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9720 / 7721	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10648 / 8501	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
11142 / 8911	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11251 / 9002	DEF AT Eocene	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 826 Date of Summary: 16-JUL-1997 First Sample Examined: 0 Lease Number: G06888 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 7200 Paleo Done By: OPERATOR Well Name: A005 **Borehole TVD:** 6334 **API Well Number:** 608164022100 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1935 Public Info Code: Y 22-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5472 / 5055	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
5704 / 5224	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
6360 / 5705	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6711 / 5966	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 826 Date of Summary: 08-SEP-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G06888 **Borehole MD:** 9220 Paleo Done By: OPERATOR Well Name: A006 **Borehole TVD:** 6294 **API Well Number:** 608164022200 **Drilling Operator:** ORYX ENERGY COMPANY **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1932 Public Info Code: Y 05-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6712 / 5094	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
7169 / 5292	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
8300 / 5783	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8733 / 5985	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 826 Date of Summary: 14-SEP-2000 First Sample Examined: 0 Lease Number: G06888 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 8775 Well Name: A007 Paleo Done By: OPERATOR **Borehole TVD:** 6746 **API Well Number:** 608164023600 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 1925 Public Info Code: Y 05-APR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD		Paleo Top Description		Ecozone
5939 / 5184	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6182 / 5317	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
6720 / 5612	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
7976 / 6306	DEF	IN Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 828 Date of Summary: 06-FEB-1997 First Sample Examined: 3860 Source of Paleo: OPERATOR Lease Number: G13060 **Borehole MD:** 10625 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 9645 **API Well Number:** 608164023200 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 73 Paleo Report Num: 1 of 1 **Sample Range:** 3860 - 10610 Water Depth: 1750 Public Info Code: Y 04-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/	TVD		Paleo Top Description		Ī	Ecozone
3860 /	3860	DEF	AT first sample examined	DEF	AT	5
4040 /	4040	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
4190 /	4190	POS	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
4520 /	4517	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
4640 /	4635	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
5360 /	5321	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
5780 /	5687	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	5
5900 /	5789	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	5
7520 /	7154	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	5
8270 /	7777	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	5
8420 /	7902	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	5
9170 /	8523	POS	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	5
9710 /	8949	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	ΑT	5
10609 /	9632	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
10610 /	9633	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 870 Date of Summary: 18-AUG-2003 First Sample Examined: 8150 Source of Paleo: OPERATOR Lease Number: G13066 **Borehole MD:** 14622 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11670 **API Well Number:** 608164041600 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 **Sample Range:** 8150 - 14662 Water Depth: 2610 Public Info Code: Y 05-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ec</u>	cozone
8150 / 6888	DEF AT first sample examined	DEF AT	5
9380 / 7588	DEF AT	DEF AT	6
10310 / 8185	DEF AT	DEF AT	5
10700 / 8429	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (incre	rease) DEF AT	5
11990 / 9256	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT	5
13130 /10206	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT	5
13250 /10318	DEF AT	DEF IN	5
13520 /10576	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT	5
14090 /11139	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroa	cuta DEF AT	5
14662 /	DEF AT last sample examined	DEF AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 870 Date of Summary: 18-AUG-2003 First Sample Examined: 8150 Lease Number: G13066 Source of Paleo: OPERATOR **Borehole MD:** 14622 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11670 **API Well Number:** 608164041600 Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION **Rkb Elevation:** 78 Paleo Report Num: 2 of 2 **Sample Range:** 8150 - 14662 Water Depth: 2610 Public Info Code: Y 05-APR-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
8150 / 6888	DEF	AT first sample examined	DEF	AT
8151 / 6889	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
9500 / 7665	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
10670 / 8410	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
11000 / 8614	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
11570 / 8970	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
12320 / 9505	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
12410 / 9577	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
12650 / 9777	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
12950 /10041	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
13490 /10547	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
14060 /11109	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
14090 /11139	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
14662 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 900 Date of Summary: 10-MAR-1998 First Sample Examined: 3753 Lease Number: G02445 Source of Paleo: OPERATOR **Borehole MD:** 6563 Paleo Done By: OPERATOR Well Name: A028 **Borehole TVD:** 6192 **API Well Number:** 608164028800 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 3753 - 6560 Water Depth: 340 Public Info Code: Y 20-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
3753 / 3560	DEF	AT first sample examined	DEF	AT 2
3800 / 3602	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT 2
4100 / 3867	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 2
4160 / 3920	DEF	AT	DEF	AT 4
4460 / 4183	DEF	AT	DEF	AT 2
4820 / 4504	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT 2
4880 / 4559	DEF	AT	DEF	AT 3
5120 / 4782	DEF	AT	DEF	AT 4
5420 / 5067	DEF	AT	DEF	AT 3
5480 / 5125	DEF	AT	DEF	AT 2
5599 / 5240	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT 3
5600 / 5241	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT 3
5720 / 5358	DEF	AT	DEF	AT 4
6080 / 5714	DEF	AT	DEF	AT 2
6410 / 6041	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT 4
6560 / 6189	DEF	AT last sample examined	DEF	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 906 Date of Summary: 20-AUG-1999 First Sample Examined: 4080 Source of Paleo: OPERATOR Lease Number: G19909 **Borehole MD:** 6963 Well Name: 001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 6963 **API Well Number:** 608164034700 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 82 Paleo Report Num: 1 of 1 **Sample Range:** 4080 - 6963 Water Depth: 1190 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		E	cozone
4080 / 4080	DEF	AT first sample examined	DEF	AT	3
4081 / 4081	DEF	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
4140 / 4140	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	3
4710 / 4709	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	4
4740 / 4739	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	IN	4
4890 / 4889	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
5070 / 5069	DEF	AT reworked material	DEF	IN	4
5071 / 5070	DEF	AT transported shelf fauna	DEF	IN	4
5220 / 5219	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	IN	4
5970 / 5969	DEF	IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	IN	4
6235 / 6234	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
6900 / 6899	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN	4
6963 / 6962	DEF	AT last sample examined	DEF	IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 914 Date of Summary: 18-SEP-1997 First Sample Examined: 8980 Lease Number: G08785 Source of Paleo: OPERATOR **Borehole MD:** 15505 Well Name: SS001 Paleo Done By: OPERATOR **Borehole TVD:** 13767 **API Well Number:** 608164028400 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 **Sample Range:** 8980 - 15505 Paleo Report Num: 1 of 1 Water Depth: 3535 Public Info Code: Y 30-MAY-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecc	zone
8980 / 8979	DEF	AT first sample examined	DEF	AT	4
9010 / 9009	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
9070 / 9069	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
9190 / 9189	DEF	AT	DEF	IN	4
9220 / 9219	DEF	AT	DEF	AT	4
9250 / 9249	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
9470 / 9469	DEF	AT	DEF	IN	4
9650 / 9647	DEF	AT	DEF	AT	4
9680 / 9677	DEF	AT	DEF	IN	4
9740 / 9735	DEF	AT	DEF	AT	5
9769 / 9763	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
9770 / 9764	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
9920 / 9906	DEF	AT	DEF	AT	4
9980 / 9962	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	POS	AT	4
10520 /10411	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	POS	AT	4
10580 /10454	DEF	AT	DEF	AT	3
10700 /10534	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	3
10760 /10572	DEF	AT	DEF	AT	4
11360 /10956	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
11480 /11031	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
13460 /12296	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	4
14480 /13007	DEF	AT sample gap top	POS	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 8980
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 15505
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13767
API Well Number: 608164028400	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15505	Water Depth: 3535
Public Info Code: Y 30-MAY-2007	Ecozone Ea MMS: Y	Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14930 /13331	DEF AT sample gap bottom	POS AT 4
15439 /13715	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
15440 /13716	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15505 /13767	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 914 Date of Summary: 18-SEP-1997 First Sample Examined: 9300 Lease Number: G08785 Source of Paleo: OPERATOR **Borehole MD:** 13976 Well Name: SS001 Paleo Done By: OPERATOR **Borehole TVD:** 13335 **API Well Number:** 608164028401 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46 **Sample Range:** 9300 - 13976 Paleo Report Num: 1 of 1 Water Depth: 3535 Public Info Code: Y 25-JUL-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozo	ne
9300 / 9299	DEF	AT first sample examined	POS	AT 4	4
9330 / 9329	DEF	IN Lower Pliocene (Zanclian) Sphenolithus abies	POS	AT 4	4
9450 / 9449	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT 4	4
9630 / 9629	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT 4	4
9810 / 9809	DEF	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT 4	4
9900 / 9899	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT 4	4
10170 /10163	DEF	AT	DEF	AT :	5
10200 /10191	DEF	AT	DEF	AT 4	4
10590 /10528	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT 4	4
10620 /10551	POS	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT 4	4
10800 /10678	DEF	AT	POS	AT 4	4
10920 /10756	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 4	4
11010 /10815	DEF	AT	DEF	AT :	5
11040 /10835	DEF	AT	DEF	AT 4	4
11280 /10997	DEF	AT	POS	AT 4	4
11430 /11104	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	POS	AT 4	4
11730 /11333	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 4	4
11731 /11334	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT 4	4
11760 /11357	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 4	4
11790 /11380	DEF	AT Upper Miocene (Tortonian) Discoaster kugleri	DEF	AT 4	4
13320 /12714	DEF	AT	DEF	IN 4	4
13350 /12742	DEF	AT	DEF	AT 4	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 914 Date of Summary: 18-SEP-1997 First Sample Examined: 9300

Lease Number: G08785 Source of Paleo: OPERATOR **Borehole MD:** 13976 Well Name: SS001 Paleo Done By: OPERATOR **Borehole TVD:** 13335

API Well Number: 608164028401 **Drilling Operator: AMOCO CORPORATION Rkb Elevation:** 46

Sample Range: 9300 - 13976 Paleo Report Num: 1 of 1 Water Depth: 3535 Paleo ID: 001

Public Info Code: Y 25-JUL-2007 Ecozone Eq MMS: Y

MD/TVD **Paleo Top Description Ecozone** DEF AT last sample examined DEF AT 13976 /13335 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 1001 Date of Summary: 01-JUN-1999 First Sample Examined: 13810 Source of Paleo: OPERATOR 17321 Lease Number: G16559 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16663 **API Well Number:** 608164034003 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 Sample Range: 9670 - 17321 Water Depth: 4113 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
13810 /13034	DEF	AT first sample examined	DEF	AT	4
14140 /13265	DEF	IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF	ΑT	4
14260 /13344	DEF	AT local marker foram increase	DEF	ΑT	4
14680 /13616	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	ΑT	4
14860 /13738	DEF	IN Middle Miocene (Serravallian) Textularia "W"	DEF	AT	4
14980 /13820	DEF	AT faunal change (no faunal increase)	DEF	IN	4
15190 /13965	DEF	AT sample gap top	POS	AT	4
15240 /14000	DEF	AT sample gap bottom	DEF	IN	1
15310 /14049	DEF	AT local marker foram increase	DEF	IN	1
15610 /14256	DEF	AT faunal change (no faunal increase)	DEF	ΑT	4
15790 /14385	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	ΑT	4
15880 /14450	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	ΑT	4
16120 /14631	DEF	AT faunal change (no faunal increase)	DEF	IN	1
16330 /14790	DEF	AT local marker foram increase	DEF	IN	1
16390 /14836	POS	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	ΑT	4
16690 /15070	DEF	AT reworked material	DEF	ΑT	4
16780 /15140	DEF	AT local marker foram increase	DEF	ΑT	4
16870 /15210	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4
16930 /15256	POS	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	ΑT	5
16960 /15280	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	ΑT	5
16988 /15301	DEF	AT condensed section	DEF	IN	5
16989 /15302	DEF	IN deepwater facies Pontchartrain	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VK 1001 Date of Summary: 01-JUN-1999 13810 Source of Paleo: OPERATOR 17321 Lease Number: G16559 **Borehole MD:** Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 16663 **API Well Number:** 608164034003 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 **Sample Range:** 9670 - 17321 Water Depth: 4113 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16990 /15303	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 5
17020 /15326	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
17140 /15420	DEF AT local marker foram increase	DEF IN 5
17260 /15515	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
17321 /15563	DEF AT last sample examined	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 1001 Date of Summary: 01-JUL-1999 First Sample Examined: 13780 Lease Number: G16559 Source of Paleo: OPERATOR **Borehole MD:** 17321 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 16663 **API Well Number:** 608164034003 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 2 of 2 Sample Range: 13780 - 17321 Water Depth: 4113 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 14950=Helicosphaera perch-nielseniae, 17080=unique Cyclicargolithus neogammation (=synonym of

Cyclicargolithus floridanus A), nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		<u>Ecozone</u>
13780 /13014	DEF	AT first sample examined	DEF	AT
14200 /13305	DEF	AT local marker floral increase	DEF	AT
14410 /13439	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
14650 /13596	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
14800 /13697	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
14860 /13738	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
14950 /13800	DEF	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
15250 /14007	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
15370 /14090	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
16960 /15280	DEF	AT local marker floral increase	DEF	AT
16961 /15280	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
17050 /15350	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
17080 /15373	DEF	IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
17321 /15563	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 1001 Date of Summary: 01-MAY-1999 First Sample Examined: 6028 Source of Paleo: OPERATOR Lease Number: G16560 **Borehole MD:** 13118 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 13112 **API Well Number:** 608164034000 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 Sample Range: 6028 - 13110 Water Depth: 4126 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		ļ	<u>Ecozone</u>
6028 / 6028	DEF	AT first sample examined	DEF	IN	4
6029 / 6029	DEF	IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	IN	4
6090 / 6090	DEF	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	4
6150 / 6150	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	4
6180 / 6180	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
6480 / 6480	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	5
6510 / 6510	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
6540 / 6540	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
6690 / 6690	DEF	AT faunal change (no faunal increase)	DEF	IN	4
6870 / 6870	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	4
6960 / 6960	DEF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN	4
7020 / 7020	DEF	AT local marker foram increase	DEF	IN	4
7350 / 7350	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	4
7470 / 7469	DEF	AT local marker foram increase	DEF	AT	5
7589 / 7588	DEF	AT condensed section	DEF	AT	5
7590 / 7589	DEF	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	5
7710 / 7709	DEF	AT faunal change (no faunal increase)	DEF	IN	4
7800 / 7799	DEF	AT local marker foram increase	DEF	IN	4
7980 / 7979	POS	IN Upper Miocene (Messinian) Textularia tatumi	DEF	IN	4
8160 / 8159	POS	AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	4
8280 / 8279	DEF	IN Upper Miocene (Tortonian) Textularia 6	DEF	AT	4
8670 / 8669	DEF	AT Upper Miocene (Tortonian) Reophax davepopei	DEF	AT	4

MD / TVD

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Econo

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 1001 Date of Summary: 01-MAY-1999 First Sample Examined: 6028 Lease Number: G16560 Source of Paleo: OPERATOR **Borehole MD:** 13118 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 13112 **API Well Number:** 608164034000 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 1 of 2 Sample Range: 6028 - 13110 Water Depth: 4126 Public Info Code: Y 31-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD		Paleo Top Description		Ecozone	<u>ə</u>
9030 / 9029	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT 4	
9420 / 9419	DEF	AT Arenaceous fauna (local marker)	DEF A	AT 4	
9510 / 9509	DEF	AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF A	AT 4	
9870 / 9869	POS	AT Upper Miocene (Tortonian) Cyclammina 3	DEF A	AT 4	
10020 /10019	POS	AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF A	AT 4	
10200 /10199	DEF	AT local marker foram increase	DEF A	AT 4	
10348 /10347	POS	AT condensed section	DEF A	AT 4	
10349 /10348	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF A	AT 4	
10350 /10349	DEF	AT Upper Miocene (Tortonian) Textularia "G"	DEF A	AT 4	
10380 /10379	DEF	AT local marker foram increase	DEF A	AT 4	
10440 /10439	POS	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF A	AT 4	
10500 /10499	POS	AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF A	AT 4	
10560 /10559	DEF	AT local marker foram increase	DEF	IN 4	
10830 /10829	DEF	AT faunal change (no faunal increase)	DEF A	AT 4	
10920 /10919	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF A	AT 4	
11040 /11039	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF A	AT 4	
11400 /11398	DEF	AT Arenaceous fauna (local marker)	DEF A	AT 4	
11640 /11638	DEF	AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF A	AT 4	
11820 /11818	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF A	AT 4	
12510 /12507	POS	AT Arenaceous fauna (local marker)	DEF A	AT 4	
12570 /12567	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF A	AT 4	
13110 /13105	DEF	AT last sample examined	DEF A	AT 4	

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VK 1001 Date of Summary: 01-MAY-1999 First Sample Examined: 6828 Lease Number: G16560 Source of Paleo: OPERATOR **Borehole MD:** 13118 Well Name: 001 Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT) **Borehole TVD:** 13112 **API Well Number:** 608164034000 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 78 Paleo Report Num: 2 of 2 Sample Range: 6028 - 13110 Water Depth: 4126 Public Info Code: Y 31-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, 7980=Discoaster preberggrenii

MD/TVD		Paleo Top Description		Ecozone
6028 / 6028	DEF	AT first sample examined	DEF	AT
6090 / 6090	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
6480 / 6480	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6600 / 6600	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
6930 / 6930	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
7080 / 7080	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
7980 / 7979	DEF	AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF	AT
8640 / 8639	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
9360 / 9359	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
9480 / 9479	DEF	AT Upper Miocene (Tortonian) Discoaster bellus	DEF	AT
9990 / 9989	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
10410 /10409	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
10530 /10529	DEF	AT Upper Miocene (Tortonian) Catinaster calyculus	DEF	AT
10650 /10649	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
11400 /11398	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
11429 /11427	DEF	AT condensed section	DEF	AT
11430 /11428	DEF	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	AT
12630 /12627	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
13050 /13045	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
13110 /13105	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 54 Date of Summary: 06-NOV-2006 First Sample Examined: 8050 Lease Number: G19754 Source of Paleo: OPERATOR **Borehole MD:** 14958 Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14669 **API Well Number:** 177054124700 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 129 Paleo Report Num: 1 of 1 **Sample Range:** 8050 - 14950 Water Depth: 21 Public Info Code: Y 16-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description			Ecozone
8050 / 8049	DEF	AT first sample examined	DEF	AT	3
8051 / 8050	DEF	IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT	3
8110 / 8109	DEF	AT	DEF	ΑT	2
8980 / 8979	DEF	AT	DEF	AT	3
9070 / 9069	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	ΑT	3
9670 / 9669	DEF	AT Upper Miocene (Tortonian) Bigenerina 2	DEF	ΑT	3
9730 / 9729	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	3
9760 / 9759	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
9820 / 9819	DEF	AT	DEF	AT	4
9970 / 9969	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	ΑT	4
10960 /10959	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
11110 /11109	DEF	AT	DEF	AT	3
11350 /11349	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	ΑT	3
12820 /12814	DEF	AT	DEF	AT	4
12880 /12872	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	4
13450 /13414	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	4
13600 /13550	DEF	AT	DEF	AT	3
13780 /13708	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	ΑT	3
14350 /14176	DEF	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	AT	3
14950 /14661	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 61 Date of Summary: 01-MAY-2006 First Sample Examined: 10890 Lease Number: G22575 Source of Paleo: OPERATOR **Borehole MD:** 15138 Well Name: B002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14030 **API Well Number:** 177054119003 **Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 119 Paleo Report Num: 1 of 1 **Sample Range:** 10890 - 15142 Water Depth: 47 Public Info Code: Y 12-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone	
10890 / 9843	DEF AT first sample examined	DEF AT 4	
10891 / 9844	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4	
11400 /10324	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4	
11640 /10557	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4	
11819 /10733	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4	
11820 /10734	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4	
11910 /10822	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4	
13770 /12664	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4	
14850 /13743	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4	
15142 /	DEF AT last sample examined	DEF AT 4	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 78 Date of Summary: 30-SEP-1996 6510 Source of Paleo: OPERATOR Lease Number: G04421 **Borehole MD:** 12566 Paleo Done By: OPERATOR Well Name: A003 **Borehole TVD:** 12026 **API Well Number:** 177054102400 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 6510 - 12540 Water Depth: 38 Public Info Code: Y 21-OCT-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
6510 / 6275	DEF	AT first sample examined	DEF A	Γ 2
7350 / 7034	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF A	Γ 2
8560 / 8126	DEF	AT	DEF A	Г 3
9380 / 8899	DEF	AT Upper Miocene (Tortonian) Cyclammina 3	DEF A	Г 3
9810 / 9322	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF A	Г 3
10590 /10095	POS	AT Upper Miocene (Tortonian) Textularia "L"	DEF A	Г 3
10710 /10213	POS	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF A	Г 3
12540 /12002	DEF	AT last sample examined	DEF A	Г 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 90 Date of Summary: 20-FEB-2004 First Sample Examined: 5020 Lease Number: G24827 Source of Paleo: OPERATOR **Borehole MD:** 17650 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 17650 **API Well Number: 177054118600** Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 105 Paleo Report Num: 1 of 1 **Sample Range:** 5020 - 17650 Water Depth: 22 Public Info Code: Y 29-JUN-2005 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
5020 / 5020	DEF	AT first sample examined	DEF	AT	1
6370 / 6370	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	2
7600 / 7600	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	2
7750 / 7750	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
9190 / 9190	DEF	AT faunal change (no faunal increase)	POS	AT	3
9640 / 9640	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	POS	AT	3
9910 / 9910	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	3
11080 /11080	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	3
11110 /11110	DEF	AT faunal change (no faunal increase)	DEF	AT	4
11380 /11380	DEF	AT faunal change (no faunal increase)	DEF	AT	3
11740 /11740	DEF	AT faunal change (no faunal increase)	DEF	AT	4
12310 /12310	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
12670 /12670	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
13240 /13240	DEF	AT faunal change (no faunal increase)	DEF	AT	5
13480 /13480	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
13510 /13510	DEF	AT faunal change (no faunal increase)	DEF	AT	4
14050 /14050	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT	4
15610 /15609	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
15670 /15669	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	4
15700 /15699	DEF	AT faunal change (no faunal increase)	DEF	AT	5
15940 /15939	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
16570 /16569	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 90 Date of Summary: 20-FEB-2004 First Sample Examined: 5020

Lease Number:G24827Source of Paleo:OPERATORBorehole MD:17650Well Name:001Paleo Done By:PALEO-DATA, INC.Borehole TVD:17650

API Well Number: 177054118600 Drilling Operator: MARINER GULF OF MEXICO LLC Rkb Elevation: 105

Paleo Report Num: 1 of 1 Sample Range: 5020 - 17650 Water Depth: 22

Public Info Code: Y 29-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVDPaleo Top DescriptionEcozone17650 /17649DEF AT last sample examinedDEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 115 Date of Summary: 26-MAR-1998 First Sample Examined: 0

Lease Number: G13882 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD:

Well Name: A003 Paleo Done By: OPERATOR Borehole TVD: 10121

API Well Number: 177054107200 Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC Rkb Elevation: 100

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:55Public Info Code:Y 15-JUN-2005Ecozone Eq MMS:Paleo ID:001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

11000 / 9763 DEF IN Upper Miocene (Tortonian) Robulus "E" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 159	Date of Summary: 10-SEP-1997	First Sample Examined:	8010
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD:	13750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	13346
API Well Number: 177054105600	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation:	88
Paleo Report Num: 1 of 2	Sample Range: 8010 - 14850	Water Depth:	92
Public Info Code: Y 29-JUN-2006	Ecozone Ea MMS: Y	Paleo ID:	001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT 2
11130 /11125	DEF AT	DEF AT 3
11160 /11154	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12060 /11990	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14850 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 159 Date of Summary: 10-SEP-1997 First Sample Examined: 8010 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** 13750 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13346 **API Well Number:** 177054105600 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 88 Paleo Report Num: 2 of 2 **Sample Range:** 8010 - 14850 Water Depth: 92 Public Info Code: Y 29-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
8010 / 8010	DEF AT first sample examined	DEF AT
9120 / 9120	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
9150 / 9150	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11010 /11007	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11100 /11096	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13740 /	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14850 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 159	Date of Summary: 09-JUN-1998	First Sample Examined:	9900
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD:	14388
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	13973
API Well Number: 177054107700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation:	85
Paleo Report Num: 1 of 1	Sample Range: 9900 - 14370	Water Depth:	90
Public Info Code: Y 29-JUN-2006	Ecozone Eg MMS: Y	Paleo ID:	002

Remark:

MD/TVD	Paleo Top Description	Ecozone	
9900 / 9490	DEF AT first sample examined	DEF AT 2	
11460 /11047	DEF AT	DEF AT 3	
11490 /11077	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3	
12480 /12066	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3	
14370 /13955	DEF AT last sample examined	DEF AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 159 Date of Summary: 12-JUN-1998 13720 Source of Paleo: OPERATOR 14082 Lease Number: G03128 **Borehole MD:** Well Name: 003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13667 **API Well Number:** 177054107701 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 13720 - 14070 Water Depth: 90 Public Info Code: Y 29-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description	Eco	zone
13720 /13305	DEF AT first sample examined	DEF AT	3
13721 /13306	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT	3
14070 /13655	DEF AT last sample examined	DEF AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 159	Date of Summary: 10-JUL-1998	First Sample Examined: 13710)
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15050)
Well Name: CJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14634	1
API Well Number: 177054107702	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 85	5
Paleo Report Num: 1 of 2	Sample Range: 13710 - 15050	Water Depth: 90)
Public Info Code: Y 29-JUN-2006	Ecozone Eg MMS: Y	Paleo ID: 002	2

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13710 /13295	DEF AT first sample examined	DEF AT 3
13711 /13296	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
15050 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 159 Date of Summary: 10-JUL-1998 First Sample Examined: 13710 Source of Paleo: OPERATOR Lease Number: G03128 **Borehole MD:** 15050 Well Name: CJ001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14634 **API Well Number:** 177054107702 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 85 Paleo Report Num: 2 of 2 **Sample Range:** 13710 - 15050 Water Depth: 90 Public Info Code: Y 29-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD	<u> </u>	Paleo Top Description		Ecozone
13710 /1329	DEF	AT first sample examined	DEF	AT
13770 /1335	55 POS	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
15050 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 10-MAR-1997 First Sample Examined: 15380 16370 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** Well Name: AJ003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16208 **API Well Number:** 177054104300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 1 of 4 **Sample Range:** 15380 - 16370 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 004

Remark: Bypass 1 report, no diagnostic foram markers noted

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15380 /15225	DEF AT first sample examined	DEF AT
16370 /16208	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> 8520 Area Block: VR 160 Date of Summary: 12-MAR-1997 First Sample Examined: 16370 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** Well Name: AJ003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16208 **API Well Number:** 177054104300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 2 of 4 **Sample Range:** 8520 - 16040 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Original hole report

MD/TVD		Paleo Top Description		E	cozone
8520 / 8519	DEF	AT first sample examined	DEF	AT	2
9000 / 8999	DEF	AT sample gap top	POS	AT	2
9120 / 9118	DEF	AT sample gap bottom	DEF	AT	2
9660 / 9649	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
11040 /10977	DEF	AT	DEF	AT	3
11070 /11006	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
11280 /11208	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	3
13470 /13331	DEF	AT sample gap top	POS	AT	3
14000 /13853	DEF	AT sample gap bottom	DEF	AT	3
16040 /15881	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> 8520 Area Block: VR 160 Date of Summary: 12-MAR-1997 First Sample Examined: 16370 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** Well Name: AJ003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16208 **API Well Number:** 177054104300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 3 of 4 **Sample Range:** 8520 - 16040 Water Depth: 89 Public Info Code: Y 29-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report for original hole

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8520 / 8519	DEF AT first sample examined	DEF AT
9630 / 9620	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9720 / 9708	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11040 /10977	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15710 /15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16040 /15881	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 12-MAR-1997 First Sample Examined: 15380 16370 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** Well Name: AJ003 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16208 **API Well Number:** 177054104300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 4 of 4 **Sample Range:** 15380 - 16370 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report for bypass 1

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15380 /15225	DEF AT first sample examined	DEF AT
15710 /15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16370 /16208	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 09-OCT-1997 First Sample Examined: 11000 Lease Number: G03128 Source of Paleo: OPERATOR **Borehole MD:** 15496 Well Name: AJ005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15235 **API Well Number:** 177054105700 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 1 of 2 Sample Range: 11000 - 15496 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecoz	one
11000 /10799	DEF	AT first sample examined	DEF	AT	2
11270 /11053	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
12240 /11988	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
14840 /14581	DEF	AT local marker foram increase	DEF	AT	3
14990 /14731	DEF	AT local marker foram decrease	DEF	AT	3
15020 /14761	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	AT	3
15050 /14791	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT	3
15170 /14910	DEF	AT local marker foram decrease	DEF	AT	3
15200 /14940	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	AT	3
15230 /14970	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
15496 /15235	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 27-OCT-1997 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G03128 **Borehole MD:** 15496 Well Name: AJ005 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15235 **API Well Number:** 177054105700 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 2 of 2 Sample Range: 11000 - 15496 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11000 /10799	DEF AT first sample examined	DEF AT
11001 /10800	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13850 /13591	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15050 /14791	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15496 /15235	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 25-JUL-1997 First Sample Examined: 11000 Source of Paleo: OPERATOR 15702 Lease Number: G03128 **Borehole MD:** Well Name: AJ006 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15258 **API Well Number:** 177054104800 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 1 of 3 Sample Range: 11000 - 15020 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozo	one
11000 /10655	DEF	AT first sample examined	DEF A	AT	2
11570 /11197	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF A	AT	3
12470 /12070	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF A	AT	3
15020 /14586	DEF	AT last sample examined	DEF A	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 25-JUL-1997 First Sample Examined: 14000 Source of Paleo: OPERATOR 15702 Lease Number: G03128 **Borehole MD:** Well Name: AJ006 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15258 **API Well Number:** 177054104800 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 2 of 3 **Sample Range:** 14000 - 15705 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Bypass report, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14000 /13566	DEF AT first sample examined	DEF AT 3
15170 /14736	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15705 /	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 25-JUL-1997 First Sample Examined: 11000 Source of Paleo: OPERATOR 15702 Lease Number: G03128 **Borehole MD:** Well Name: AJ006 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15258 **API Well Number:** 177054104800 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 111 Paleo Report Num: 3 of 3 **Sample Range:** 11000 - 15020 Water Depth: 89 Public Info Code: Y 29-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report for original hole

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11000 /10655	DEF AT first sample examined	DEF AT
11001 /10656	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14780 /14346	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15020 /14586	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 12-NOV-1997 First Sample Examined: 8290 Source of Paleo: OPERATOR Lease Number: G08668 **Borehole MD:** 14810 Well Name: 004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14668 **API Well Number:** 177054106300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 86 Paleo Report Num: 1 of 2 **Sample Range:** 8290 - 14810 Water Depth: 93 Public Info Code: Y 29-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ecozone	
8290 / 8290	DEF AT first sample examined	DEF	AT 2	
8320 / 8320	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF .	AT 2	
9610 / 9610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF .	AT 2	
10990 /10989	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF .	AT 3	
12160 /12158	POS AT Upper Miocene (Messinian) Textularia "X"	DEF .	AT 3	
14810 /14668	DEF AT last sample examined	DEF	AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 12-NOV-1997 First Sample Examined: 10510 Lease Number: G08668 Source of Paleo: OPERATOR **Borehole MD:** 14810 Well Name: 004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14668 **API Well Number:** 177054106300 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 **Sample Range:** 10510 - 14810 Water Depth: 93 Public Info Code: Y 29-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10510 /10509	DEF AT first sample examined	DEF AT
10960 /10959	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13240 /13203	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14810 /14668	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 160	Date of Summary: 21-NOV-1997	First Sample Examined:	10680
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD:	14536
Well Name: BJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	14475
API Well Number: 177054106301	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation:	86
Paleo Report Num: 1 of 2	Sample Range: 10680 - 14536	Water Depth:	93
Public Info Code: Y 29-JUN-2006	Ecozone Eg MMS: Y	Paleo ID:	002

Remark:

MD/TVD		Paleo Top Description		Ecoz	zone
10680 /10679	DEF	AT first sample examined	DEF	AT	2
10920 /10919	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
11850 /11833	POS	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
14536 /14475	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 160 Date of Summary: 02-DEC-1997 First Sample Examined: 10680 Source of Paleo: OPERATOR Lease Number: G08668 **Borehole MD:** 14536 Well Name: BJ001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14475 **API Well Number:** 177054106301 Drilling Operator: MCMORAN OIL & GAS CO **Rkb Elevation:** 86 Paleo Report Num: 2 of 2 Sample Range: 10680 - 14536 Water Depth: 93 Public Info Code: Y 29-JUN-2006 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
10680 /10679	DEF AT first sample examined	DEF AT
10920 /10919	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13290 /13246	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14520 /14459	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14536 /14475	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 199 Date of Summary: 24-JAN-1996 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G09499 **Borehole MD:** 15947 Well Name: JA001 Paleo Done By: OPERATOR **Borehole TVD:** 12219 **API Well Number:** 177054099400 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 100 Paleo Report Num: 1 of 1 Sample Range: 8000 - 15854 Water Depth: 111 Public Info Code: Y 12-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8000 / 6731	DEF AT first sample examined	DEF AT
8963 / 7357	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9121 / 7461	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11669 / 9199	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
15854 /12158	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 201 Date of Summary: 23-OCT-1984 0 Source of Paleo: OPERATOR Lease Number: G02075 **Borehole MD:** 11650 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 11650 **API Well Number: 177054003500** Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 66 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 105 Public Info Code: Y 17-DEC-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5970 /	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
6510 /	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
9480 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 201 Date of Summary: 02-MAY-1996 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02075 **Borehole MD:** 10479 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 10250 **API Well Number: 177054009601** Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 121 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 104

Remark: In=sand

Public Info Code: Y 17-DEC-2005

MD/TVD	Paleo Top Description	Ecozone
5918 / 5816	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7447 / 7336	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 208 Date of Summary: 28-JUN-2004 First Sample Examined: 7520 Source of Paleo: OPERATOR Lease Number: G22627 **Borehole MD:** 19697 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19689 **API Well Number:** 177054120200 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 118 Paleo Report Num: 1 of 2 **Sample Range:** 7520 - 19697 Water Depth: 118 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	cozone
7520 / 7520	DEF	AT first sample examined	DEF	AT	2
7640 / 7640	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
9500 / 9500	DEF	AT	DEF	AT	3
10010 /10010	DEF	AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
10970 /10970	POS	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
11000 /11000	POS	AT	POS	AT	4
11960 /11959	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
13820 /13819	POS	AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	4
14510 /14509	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
17030 /17026	DEF	AT	DEF	AT	5
17150 /17146	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	5
17180 /17176	DEF	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	6
18560 /18555	POS	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	6
18650 /18644	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	6
19490 /19482	DEF	AT	DEF	IN	5
19575 /19567	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	5
19697 /19689	DEF	AT last sample examined	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 208 Date of Summary: 28-JUN-2004 First Sample Examined: 13010 Source of Paleo: OPERATOR Lease Number: G22627 **Borehole MD:** 19697 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19689 **API Well Number:** 177054120200 Drilling Operator: MCMORAN OIL & GAS LLC **Rkb Elevation:** 118 Paleo Report Num: 2 of 2 Sample Range: 13010 - 19697 Water Depth: 118 Public Info Code: Y 30-JUN-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
13010 /13009	DEF AT first sample examined	DEF AT
13610 /13609	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14240 /14239	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14510 /14509	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17870 /17866	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18650 /18644	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18680 /18674	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19430 /19423	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19520 /19512	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19697 /19689	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 225	Date of Summary: 04-AUG-1997	First Sample Examined:	0
Lease Number: G15189	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	13685
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	13672
API Well Number: 177054105200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation:	97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	120
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8590 /	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
11440 /	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
12580 /	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 252	Date of Summary: 10-APR-1995	First Sample Examined:	0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8820
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8678
API Well Number: 177064074500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation:	89
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth:	150
Public Info Code: Y 04-APR-2005	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5346 / 5346	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7079 / 7040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 252	Date of Summary: 05-DEC-2001	First Sample Examined:	0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8820
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8678
API Well Number: 177064074500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation:	89
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth:	150
Public Info Code: Y 04-APR-2005	Ecozone Eq MMS:	Paleo ID:	002

MD/TVD	Paleo Top Description	Ecozone
5336 / 5336	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6850	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 252	Date of Summary: 10-APR-1995	First Sample Examined:	0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8175
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD:	7765
API Well Number: 177064074900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation:	89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	150
Public Info Code: Y 19-APR-2005	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5336 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6647	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 252	Date of Summary: 05-DEC-2001	First Sample Examined:	0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8500
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	7883
API Well Number: 177064077600	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation:	120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	150
Public Info Code: Y 08-APR-2006	Ecozone Eq MMS:	Paleo ID:	001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5400 / 5376	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7212 / 6875	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Borehole MD:

Borehole TVD:

Water Depth:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 273 Date of Summary: 16-DEC-1999 First Sample Examined:

Lease Number: G14412 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A001 Paleo Done By: OPERATOR

API Well Number: 177064074300 Drilling Operator: KING RANCH OIL AND GAS INC Rkb Elevation: 96

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 06-MAY-2005 Ecozone Eq MMS: Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4757 /	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5166 /	DEF AT salt	DEF AT

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Paleo ID:

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001

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:VR273Date of Summary:19-FEB-2001First Sample Examined:0Lease Number:G14412Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:5763Well Name:A002Paleo Done By:OPERATORBorehole TVD:4972

API Well Number: 177064075601 Drilling Operator: KING RANCH OIL AND GAS INC Rkb Elevation: 96
Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 173

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 V
Public Info Code: Y 04-JUN-2005 Ecozone Eq MMS:

Remark:

MD/TVD Paleo Top Description Ecozone

5362 / 4705 DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 279 Date of Summary: 30-APR-1997 First Sample Examined: 7150 Lease Number: G11881 Source of Paleo: OPERATOR **Borehole MD:** 14565 Well Name: A005 Paleo Done By: THOMAS REILLY **Borehole TVD:** 14563 **API Well Number:** 177064075802 Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128 **Sample Range:** 7150 - 14565 Paleo Report Num: 1 of 1 Water Depth: 180 Public Info Code: Y 24-MAY-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
7150 /	DEF	AT first sample examined	DEF	IN	2
7151 /	DEF	IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	IN	2
7663 /	DEF	AT	DEF	AT	3
7719 /	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
7720 /	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
8139 /	DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	AT	4
8140 /	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
8838 /	DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT	5
8839 /	DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF	AT	5
8840 /	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
9899 /	DEF	AT	DEF	IN	4
10300 /	DEF	AT sample gap top	POS	IN	4
10400 /	DEF	AT sample gap bottom	DEF	AT	5
10462 /	DEF	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	5
11401 /	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	5
12350 /	DEF	AT Eggerella 3 (local marker)	DEF	AT	5
12952 /	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	6
12953 /	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
12954 /	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	6
13800 /	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	6
13920 /	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN	6
13950 /	DEF	AT gouge	DEF	IN	6

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002

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 24-MAY-2007

Area Block: VR 279 Date of Summary: 30-APR-1997 First Sample Examined: 7150 Lease Number: G11881 Source of Paleo: OPERATOR **Borehole MD:** 14565 Well Name: A005 Paleo Done By: THOMAS REILLY **Borehole TVD:** 14563 **API Well Number:** 177064075802 Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128 **Sample Range:** 7150 - 14565 Paleo Report Num: 1 of 1 Water Depth: 180

MD / TVD Paleo Top Description Ecozone

14565 / DEF AT last sample examined DEF IN 6

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 279 Date of Summary: 28-AUG-1997 First Sample Examined: 10830 Lease Number: G11881 Source of Paleo: OPERATOR **Borehole MD:** 14350 Well Name: A006 Paleo Done By: THOMAS REILLY **Borehole TVD:** 13150 **API Well Number:** 177064079900 Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128 Paleo Report Num: 1 of 2 Sample Range: 10830 - 14384 Water Depth: 180 Public Info Code: Y 26-SEP-2007 Paleo ID: Ecozone Eq MMS: Y 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
10830 /10022	DEF	AT first sample examined	DEF	IN	2
11130 /10283	DEF	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	IN	2
11160 /10309	DEF	AT	DEF	AT	3
11934 /10978	DEF	AT Eggerella 3 (local marker)	DEF	IN	3
11935 /10979	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	IN	3
12025 /11057	DEF	AT local marker foram increase	DEF	IN	3
12055 /11084	DEF	AT sample gap top	POS	IN	3
12205 /11215	DEF	AT sample gap bottom	DEF	IN	3
12448 /11429	DEF	AT	DEF	AT	2
12605 /11570	POS	AT local marker foram increase	DEF	AT	3
12826 /11770	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	IN	3
13044 /11968	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	3
13074 /11995	DEF	AT Eggerella 3 (local marker)	DEF	IN	3
13075 /11996	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
13422 /12317	DEF	AT limestone	DEF	AT	3
13519 /12407	DEF	AT Bathysiphon fauna	DEF	IN	3
13520 /12408	DEF	AT Eggerella 3 (local marker)	DEF	IN	3
13640 /12519	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
14129 /12967	DEF	AT sample gap top	POS	IN	3
14229 /13057	DEF	AT sample gap bottom	DEF	IN	3
14260 /13085	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
14291 /13113	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 279 Date of Summary: 28-AUG-1997 First Sample Examined: 10830 Lease Number: G11881 Source of Paleo: OPERATOR **Borehole MD:** 14350 Well Name: A006 Paleo Done By: THOMAS REILLY **Borehole TVD:** 13150 **API Well Number: 177064079900** Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128

> Paleo Report Num: 1 of 2 Sample Range: 10830 - 14384 Water Depth: 180

Public Info Code: Y 26-SEP-2007 Ecozone Eq MMS: Y

MD/TVD **Paleo Top Description Ecozone** DEF AT 14384 /13197 DEF AT last sample examined 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 279 Date of Summary: 28-AUG-1997 First Sample Examined: 12605 Lease Number: G11881 Source of Paleo: OPERATOR **Borehole MD:** 14350 Well Name: A006 Paleo Done By: THOMAS REILLY **Borehole TVD:** 13150 **API Well Number:** 177064079900 Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128 Paleo Report Num: 2 of 2 Sample Range: 12605 - 14384 Water Depth: 180 Public Info Code: Y 26-SEP-2007 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
12605 /11570	DEF AT first sample examined	DEF AT
12606 /11571	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12885 /11823	DEF AT local marker floral increase	DEF AT
12920 /11855	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13520 /12408	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13730 /12602	DEF AT local marker foram decrease	DEF AT
14384 /13197	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 279 Date of Summary: 31-DEC-1996 5830 Source of Paleo: OPERATOR Lease Number: G11881 **Borehole MD:** 13410 Well Name: A007 Paleo Done By: THOMAS REILLY **Borehole TVD:** 11745 **API Well Number: 177064078800** Drilling Operator: W & T OFFSHORE INC **Rkb Elevation:** 128 Paleo Report Num: 1 of 1 **Sample Range:** 5830 - 13420 Water Depth: 180 Public Info Code: Y 11-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description			Ecozone
5830 / 583	0 DEF	AT first sample examined	DEF	AT	3
5831 / 583	1 DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
6190 / 619	0 DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
6855 / 685	5 DEF	AT local marker benthic foram increase	DEF	AT	3
7634 / 763	2 DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
7635 / 763	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
7959 / 795	0 DEF	AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF	AT	4
7960 / 795	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
8889 / 879	7 DEF	AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT	5
8890 / 879	8 DEF	AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF	ΑT	5
10300 / 978	5 DEF	AT sample gap top	POS	ΑT	5
11175 /1030	9 DEF	AT sample gap bottom	DEF	ΑT	5
11269 /1036	1 DEF	IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	ΑT	5
12545 /1113	1 DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	AT	5
13420 /	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 284	Date of Summary: 28-OCT-1995	First Sample Examined:	0
Lease Number: G09508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11142
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD:	10835
API Well Number: 177064076501	Drilling Operator: APACHE OIL CORPORATION	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	186
Public Info Code: Y 22-SEP-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6740 / 6444	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7840 / 7534	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9530 / 9223	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
10370 /10063	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 297 Date of Summary: 08-MAR-1996 0 Lease Number: G11885 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9310 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 8651 **API Well Number:** 177064077300 **Drilling Operator:** EOG RESOURCES INC **Rkb Elevation:** 123 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 195 Public Info Code: Y 07-FEB-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5685 / 5435	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8249 / 7667	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 309 Date of Summary: 02-SEP-1997 First Sample Examined: 4230 Source of Paleo: OPERATOR Lease Number: G16310 **Borehole MD:** 9579 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9211 **API Well Number:** 177064079700 **Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 97 Paleo Report Num: 1 of 1 **Sample Range:** 4230 - 9578 Water Depth: 206 Public Info Code: Y 24-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Ecoz	one
4230 / 4230	DEF	AT first sample examined	DEF	AT	3
4680 / 4680	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
6479 / 6460	DEF	AT pyrite	DEF	AT	3
6480 / 6460	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
7500 / 7385	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
8550 / 8309	DEF	AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	AT	4
9090 / 8781	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
9578 / 9210	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 335 Date of Summary: 17-DEC-1998 First Sample Examined: 5130 Lease Number: G14418 Source of Paleo: OPERATOR **Borehole MD:** 15400 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 15399 **API Well Number: 177064082100 Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 100 **Sample Range:** 5130 - 15400 Paleo Report Num: 1 of 1 Water Depth: 227 Public Info Code: Y 12-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	cozone
5130 / 5130	DEF	AT first sample examined	DEF	AT	2
5430 / 5430	POS	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	2
6150 / 6150	DEF	AT local marker foram increase	DEF	IN	2
6210 / 6210	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	2
6480 / 6480	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	IN	2
6750 / 6750	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	IN	2
6780 / 6780	DEF	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	2
6930 / 6930	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	2
7020 / 7020	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	3
7410 / 7410	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	3
7740 / 7740	DEF	AT local marker foram increase	DEF	IN	3
7920 / 7920	DEF	IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN	3
8490 / 8490	DEF	AT local marker foram increase	DEF	AT	4
9900 / 9900	DEF	AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
10260 /10260	POS	AT unconformity	DEF	AT	5
10290 /10290	DEF	AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	5
10320 /10320	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	5
10350 /10350	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
10979 /10979	DEF	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	5
10980 /10980	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
11940 /11939	POS	IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	5
12540 /12539	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 335 Date of Summary: 17-DEC-1998 5130 Source of Paleo: OPERATOR Lease Number: G14418 **Borehole MD:** 15400 Well Name: A001 Paleo Done By: PALEO SOURCE **Borehole TVD:** 15399 **API Well Number:** 177064082100 **Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 5130 - 15400 Water Depth: 227 Public Info Code: Y 12-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	Ecozone	_
12600 /12599	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5	
13110 /13109	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5	
13200 /13199	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5	
13260 /13259	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5	
13830 /13829	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5	
14160 /14159	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5	
14670 /14669	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5	
15330 /15329	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5	
15400 /15399	DEF AT last sample examined	DEF IN 5	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 01-MAY-2007 Area Block: VR 335 First Sample Examined: 12225 15137 Lease Number: G14418 Source of Paleo: OPERATOR **Borehole MD:** Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14366 **API Well Number:** 177064082101 Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U **Rkb Elevation:** 132 Paleo Report Num: 1 of 1 **Sample Range:** 12225 - 15120 Water Depth: 233 Public Info Code: Y 12-OCT-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Eco	zone
12225 /12120	DEF	AT first sample examined	DEF	AT	4
12226 /12121	POS	IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
12455 /12349	DEF	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
12815 /12701	DEF	AT	DEF	AT	5
12935 /12817	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
13305 /13163	DEF	AT	DEF	AT	6
13335 /13189	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	6
13425 /13267	POS	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	6
14520 /13983	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	6
14670 /14074	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	6
15120 /14356	DEF	AT last sample examined	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 362	Date of Summary: 04-APR-1995	First Sample Examined:	0
Lease Number: G09522	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12528
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD:	11200
API Well Number: 177064074100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation:	95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	279
Public Info Code: Y 23-MAR-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9660 / 9294	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11460 /10481	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12180 /10966	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 362 Date of Summary: 06-JUN-2001 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G09524 **Borehole MD:** 15633 Paleo Done By: OPERATOR Well Name: B004 **Borehole TVD:** 12200 **API Well Number: 177064074801 Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 95 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 279 Public Info Code: Y 29-MAY-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
9770 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10070 / 9007	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13760 /11111	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14556 /11563	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14780 /11693	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 362 Date of Summary: 23-JAN-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G10687 **Borehole MD:** 12302 Paleo Done By: OPERATOR Well Name: B002 **Borehole TVD:** 11000 **API Well Number: 177064073600 Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 95 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 278 Public Info Code: Y 18-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
6633 / 6628	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10660 / 9837	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11440 /10388	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11800 /10643	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 362 Date of Summary: 12-NOV-1996 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G10687 **Borehole MD:** 13918 Paleo Done By: OPERATOR Well Name: B004 **Borehole TVD:** 11198 **API Well Number:** 177064074800 **Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation:** 95 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 279 Public Info Code: Y 12-MAY-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ecozone
9770 / 8773	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
10070 / 9007	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT
13760 /11111	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
14780 /	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 1590 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 12565 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11959 **API Well Number:** 177064077200 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 1 of 2 **Sample Range:** 1590 - 12565 Water Depth: 318 Public Info Code: Y 31-MAR-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
1590 / 1590	DEF	AT first sample examined	DEF A	AT 3
2250 / 2249	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF A	AT 3
5010 / 5009	DEF	AT	DEF A	AT 4
5040 / 5039	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF A	AT 4
6030 / 6029	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF A	AT 4
7020 / 7019	DEF	AT	DEF A	AT 5
7230 / 7229	DEF	AT	DEF II	N 5
7380 / 7379	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF II	N 5
7650 / 7649	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF II	N 5
8010 / 8009	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF II	N 5
8219 / 8218	DEF	AT anhydrite	DEF II	N 5
8220 / 8219	DEF	IN salt	DEF II	N 5
8580 / 8579	DEF	AT base of salt	DEF II	N 5
12180 /11659	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF II	N 5
12565 /11959	DEF	AT last sample examined	DEF II	N 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 1590 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 12565 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 11959 **API Well Number:** 177064077200 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 2 of 2 **Sample Range:** 1590 - 12565 Water Depth: 318 Public Info Code: Y 31-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
1590 / 1590	DEF	AT first sample examined	DEF	AT
1770 / 1770	DEF	AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa "B"	DEF	AT
3780 / 3779	POS	AT Middle Pleistocene (Ionian) Pseudoemiliania ovata	DEF	AT
4139 / 4138	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa "C" (acme)	DEF	AT
4140 / 4139	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
5250 / 5249	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
6120 / 6119	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
7560 / 7559	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
7740 / 7739	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
7890 / 7889	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
7950 / 7949	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
8220 / 8219	DEF	AT salt	DEF	AT
8820 / 8816	DEF	AT base of salt	DEF	AT
8850 / 8845	DEF	AT out-of-place section	DEF	AT
8880 / 8874	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
12565 /11959	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 8370 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 1 of 9 **Sample Range:** 8370 - 15870 Water Depth: 318 Public Info Code: Y 20-SEP-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description		Ecozone
8370 / 8369	DEF AT first sample examined	DEF I	IN 5
8371 / 8370	DEF IN salt	DEF I	IN 5
8700 / 8693	DEF AT base of salt	DEF I	IN 5
12360 /11417	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF I	IN 5
12720 /11672	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF /	AT 6
13200 /12008	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF /	AT 6
13350 /12113	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF /	AT 6
13620 /12300	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF /	AT 6
15870 /13684	DEF AT last sample examined	DEF /	AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined:	14060
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD:	16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD:	14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation:	110
Paleo Report Num: 2 of 9	Sample Range: 14060 - 16290	Water Depth:	318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID:	003

Remark: Redrill 1, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT 5
14061 /12599	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16290 /13964	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 15580 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 3 of 9 **Sample Range:** 15580 - 18000 Water Depth: 318 Public Info Code: Y 20-SEP-2006 Ecozone Eq MMS: Y Paleo ID: 004

Remark: Redrill 2, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
15580 /13498	DEF AT first sample examined	DEF AT 6
18000 /	DEF AT last sample examined	DEF AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 14360 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 4 of 9 **Sample Range:** 14360 - 16820 Water Depth: 318 Public Info Code: Y 20-SEP-2006 Ecozone Eq MMS: Y Paleo ID: 005

Remark: Redrill 3, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14360 /12784	DEF AT first sample examined	DEF AT 6
16820 /14341	DEF AT last sample examined	DEF AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 8370 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 5 of 9 **Sample Range:** 8370 - 15870 Water Depth: 318 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 006

Remark: Calcareous nannofossil report for redrill 1, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF AT
15870 /13684	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 14060 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 6 of 9 Sample Range: 14060 - 16290 Water Depth: 318 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 007

Remark: Calcareous nannofossil report for redrill 2, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT
16290 /13964	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 8370 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 7 of 9 **Sample Range:** 8370 - 15870 Water Depth: 318 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 800

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
8370 / 8369	DEF AT first sample examined	DEF AT
8371 / 8370	DEF AT out-of-place section	DEF AT
8940 / 8916	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8970 / 8943	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9210 / 9146	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12960 /11844	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13140 /11967	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13800 /12423	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
15450 /13412	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15870 /13684	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 14060 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 8 of 9 Sample Range: 14060 - 16290 Water Depth: 318 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 009

Remark: Calcareous nannofossil report for sidetrack redrill 1, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT
14061 /12599	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15090 /13197	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16230 /13923	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16290 /13964	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 375 Date of Summary: 29-AUG-1996 First Sample Examined: 15580 Lease Number: G14427 Source of Paleo: OPERATOR **Borehole MD:** 16856 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14368 **API Well Number:** 177064077201 **Drilling Operator:** ANADARKO PETROLEUM CORPORATION **Rkb Elevation:** 110 Paleo Report Num: 9 of 9 **Sample Range:** 15580 - 18000 Water Depth: 318 Public Info Code: Y 20-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 010

Remark: Calcareous nannofossil report for sidetrack redrill 2, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
15580 /13498	DEF AT first sample examined	DEF AT
16200 /13902	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17580 /	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
18000 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 397 Date of Summary: 09-JUN-1995 First Sample Examined: 4410 Source of Paleo: OPERATOR Lease Number: G03141 **Borehole MD:** 15677 Well Name: A020 Paleo Done By: BANE AND SCHUNICK **Borehole TVD:** 13300 **API Well Number:** 177064074600 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 4410 - 14790 Water Depth: 395 Public Info Code: Y 06-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description		E	cozone
4410 / 4005	DEF AT first sample examined	ΞF	AT	2
4470 / 4051	DEF AT DI	ĒF	AT	1
4620 / 4167	DEF AT DI	ĒF	AT	2
5040 / 4481	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	ΞF	AT	2
5280 / 4661	DEF AT DI	ΞF	AT	1
5670 / 4954	DEF AT DI	ΞF	AT	2
5730 / 4999	DEF AT DI	ΞF	AT	1
6360 / 5474	DEF AT DI	ΞF	AT	2
8160 / 6828	DEF AT DI	ΞF	AT	1
8340 / 6963	DEF AT	ĒF	AT	2
8370 / 6985	DEF AT	ĒF	AT	1
8460 / 7053	DEF AT	ĒF	AT	2
8490 / 7075	DEF AT	ĒF	AT	1
8520 / 7098	DEF AT DI	ΞF	AT	2
8580 / 7143	DEF AT	ĒF	AT	1
8910 / 7390	DEF AT	ĒF	AT	2
9000 / 7458	DEF AT	ĒF	AT	1
9210 / 7616	DEF AT	ĒF	AT	2
9330 / 7706	DEF AT	ĒF	AT	1
9360 / 7728	DEF AT	ĒF	AT	2
9690 / 7975	DEF AT	ĒF	AT	1
9780 / 8042	DEF AT	ΞF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 397 Date of Summary: 09-JUN-1995 First Sample Examined: 4410 Lease Number: G03141 Source of Paleo: OPERATOR **Borehole MD:** 15677 Well Name: A020 Paleo Done By: BANE AND SCHUNICK **Borehole TVD:** 13300 **API Well Number:** 177064074600 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 4410 - 14790 Water Depth: 395 Public Info Code: Y 06-JUL-2005 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD	Paleo Top Description		Ecoz	<u>zone</u>
9810 / 8064	DEF AT	DEF	AT	1
9900 / 8130	DEF AT	DEF	AT	2
9930 / 8152	DEF AT	DEF	AT	1
10470 / 8549	DEF AT	DEF	AT	2
10500 / 8571	DEF AT	DEF	AT	1
10530 / 8594	DEF AT	DEF	AT	2
10740 / 8752	DEF AT	DEF	AT	1
10830 / 8821	DEF AT	DEF	AT	2
11190 / 9095	DEF AT	DEF	AT	1
11250 / 9141	DEF AT	DEF	AT	2
11310 / 9187	DEF AT	DEF	AT	1
11430 / 9279	DEF AT	DEF	AT	2
12030 / 9761	POS AT Lower Pleistocene (Cala	labrian) Stilostomella antillea POS	AT	4
12060 / 9785	DEF AT	DEF	AT	3
12090 / 9810	DEF AT	POS	AT	4
12120 / 9834	DEF AT	DEF	AT	3
12180 / 9884	DEF AT	POS	AT	4
12210 / 9909	DEF AT	DEF	IN	2
12300 / 9983	DEF AT	DEF	AT	3
12330 /10008	DEF AT	DEF	IN	2
12420 /10082	DEF AT	POS	AT	4
12510 /10156	DEF AT	DEF	AT	3
12540 /10181	DEF AT	POS	AT	4
12570 /10206	DEF AT	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: VR 397 Date of Summary: 09-JUN-1995 First Sample Examined: 4410 Lease Number: G03141 Source of Paleo: OPERATOR **Borehole MD:** 15677 Well Name: A020 Paleo Done By: BANE AND SCHUNICK **Borehole TVD:** 13300 **API Well Number:** 177064074600 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 115 Paleo Report Num: 1 of 1 **Sample Range:** 4410 - 14790 Water Depth: 395 Public Info Code: Y 06-JUL-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD	Paleo Top Description		Eco	ozone
12600 /10231 DEF	AT	POS	AT	4
12630 /10256 DEF	AT	DEF	AT	3
12660 /10281 DEF	AT	POS	AT	4
12690 /10306 DEF	AT	DEF	AT	3
12720 /10331 POS	AT Lower Pleistocene (Calabrian) Angulogerina magna	POS	AT	4
12750 /10356 DEF	AT local marker deep water fauna	POS	AT	4
12780 /10381 DEF	AT	DEF	AT	4
12840 /10432 DEF	AT	POS	AT	4
12870 /10457 DEF	AT	DEF	AT	4
12900 /10482 DEF	AT	DEF	AT	3
12950 /10524 DEF	AT	POS	AT	4
12990 /10558 DEF	AT	DEF	AT	3
13080 /10635 DEF	AT	DEF	IN	2
13140 /10686 DEF	AT	DEF	AT	3
13170 /10712 DEF	AT	DEF	IN	2
13200 /10738 DEF	AT	DEF	AT	3
13230 /10764 DEF	AT	DEF	IN	2
13740 /11216 DEF	AT	DEF	AT	1
13800 /11271 DEF	AT	DEF	AT	2
13950 /11407 DEF	AT	DEF	AT	1
14190 /11624 DEF	AT	DEF	AT	2
14250 /11678 DEF	AT	POS	AT	4
14370 /11787 DEF	AT	DEF	AT	3
14400 /11814 DEF	AT	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined:	4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD:	15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD:	13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation:	115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth:	395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID:	002

MD/ IVD	Paleo Top Description	Ecozone
14700 /12088	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
14790 /12171	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: VR 398	Date of Summary: 08-AUG-1995	First Sample Examined:	0
Lease Number: G09529	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14873
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	13564
API Well Number: 177064073700	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation:	82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	381
Public Info Code: Y 09-MAR-2005	Ecozone Ea MMS:	Paleo ID:	001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
9000 / 8985	DEF	AT first sample examined	DEF	AT	5
9480 / 9463	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
13260 /12448	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
14790 /13512	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: VR 398 Date of Summary: 08-AUG-1995 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G09529 **Borehole MD:** 16128 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 14390 **API Well Number: 177064073701 Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 82 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 381 Public Info Code: Y 30-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	ozone
14780 /13413	DEF	AT first sample examined	DEF	AT	5
15170 /13692	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
15890 /14216	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	5
16128 /14390	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 38 Date of Summary: 05-SEP-2003 First Sample Examined: 6990 Lease Number: G23732 Source of Paleo: OPERATOR **Borehole MD:** 15500 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15496 **API Well Number:** 177004117000 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 6990 - 15500 Water Depth: 34 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	cozone
6990 / 6990	DEF	AT first sample examined	DEF	AT	1
7290 / 7290	DEF	AT	DEF	AT	2
7620 / 7620	POS	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	2
9900 / 9899	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	2
10620 /10619	DEF	AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF	AT	2
10650 /10649	DEF	AT	DEF	AT	3
12090 /12089	DEF	AT sample gap top	DEF	AT	
12225 /12224	DEF	AT sample gap bottom	DEF	AT	
12270 /12269	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	3
12540 /12539	DEF	AT	DEF	AT	4
12600 /12599	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	4
13470 /13468	DEF	AT	DEF	AT	3
15200 /15198	DEF	AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT	3
15500 /15496	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 38 Date of Summary: 05-SEP-2003 First Sample Examined: 10590 Source of Paleo: OPERATOR Lease Number: G23732 **Borehole MD:** 15500 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15496 **API Well Number:** 177004117000 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 2 of 2 **Sample Range:** 10590 - 15500 Water Depth: 34 Public Info Code: Y 30-APR-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10590 /10589	DEF AT first sample examined	DEF AT
10650 /10649	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
12090 /12089	DEF AT sample gap top	DEF AT
12225 /12224	DEF AT sample gap bottom	DEF AT
12240 /12239	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
12600 /12599	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
15500 /15496	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 42 Date of Summary: 16-FEB-2004 First Sample Examined: 10200 Lease Number: G22500 Source of Paleo: OPERATOR 10790 **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 10789 **API Well Number: 177004117801** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 74 Paleo Report Num: 1 of 1 **Sample Range:** 10200 - 10790 Water Depth: 28 Public Info Code: Y 12-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Paleo done by R V Roederer

MD/TVD		Paleo Top Description		Eco	zone
10200 /10199	DEF	AT first sample examined	DEF	AT	2
10201 /10200	DEF	IN Lower (Early) Miocene	DEF	AT	2
10230 /10229	DEF	AT local marker foram decrease	DEF	AT	2
10320 /10319	DEF	AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	2
10350 /10349	DEF	IN Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT	2
10380 /10379	DEF	AT local marker benthic foram increase	DEF	AT	2
10469 /10468	DEF	AT drilling material	DEF	AT	2
10470 /10469	DEF	AT local marker foram decrease	DEF	AT	2
10710 /10709	DEF	AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT	2
10740 /10739	DEF	AT local marker benthic foram increase	DEF	AT	2
10770 /10769	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 42 First Sample Examined: 9990 Date of Summary: 01-NOV-2005 Lease Number: G22500 Source of Paleo: OPERATOR **Borehole MD:** 18901 Well Name: 002 Paleo Done By: BANE AND SCHUNICK **Borehole TVD:** 18800 **API Well Number: 177004123200 Drilling Operator: CHEVRON USA INC Rkb Elevation:** 105 Paleo Report Num: 1 of 1 **Sample Range:** 9990 - 18900 Water Depth: 29 Public Info Code: Y 12-APR-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Fiesta Prospect, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
9990 / 9989	DEF	AT first sample examined	POS	AT	2
9991 / 9990	DEF	IN Lower Miocene (Aquitanian) Siphonina davisi	POS	AT	2
10020 /10019	DEF	AT local marker foram decrease	POS	AT	2
10080 /10079	DEF	AT local marker foram increase	DEF	AT	2
10410 /10409	DEF	AT Arenaceous fauna (local marker)	DEF	AT	2
10830 /10829	DEF	AT local marker foram decrease	DEF	AT	2
10950 /10949	DEF	AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT	2
11070 /11069	DEF	AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF	IN	2
11100 /11099	DEF	AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	IN	2
11220 /11219	DEF	AT	DEF	AT	2
11250 /11249	DEF	AT foram flood	DEF	IN	2
11310 /11309	DEF	AT Eggerella sp. (local marker)	DEF	IN	2
11370 /11369	DEF	AT local marker planktic foram increase	DEF	IN	2
11490 /11489	DEF	AT local marker foram decrease	DEF	AT	2
11580 /11579	DEF	AT local marker planktic foram increase	DEF	AT	2
11610 /11609	DEF	AT faunal change (no faunal increase)	DEF	AT	2
11640 /11639	DEF	AT local marker benthic foram increase	DEF	AT	2
11730 /11729	DEF	AT local marker foram decrease	DEF	AT	2
11790 /11789	DEF	AT faunal change (no faunal increase)	POS	AT	2
11880 /11879	DEF	AT faunal change (no faunal increase)	DEF	AT	2
11910 /11909	DEF	AT Eggerella sp. (local marker)	DEF	AT	2
12030 /12029	DEF	AT deepwater facies Abbeville Iberia	DEF	AT	3

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC42Date of Summary: 01-NOV-2005First Sample Examined:9990Lease Number: G22500Source of Paleo: OPERATORBorehole MD:18901

 Well Name:
 002
 Paleo Done By:
 BANE AND SCHUNICK
 Borehole TVD:
 18800

 API Well Number:
 177004123200
 Drilling Operator:
 CHEVRON USA INC
 Rkb Elevation:
 105

 Paleo Report Num:
 1 of 1
 Sample Range:
 9990 - 18900
 Water Depth:
 29

Public Info Code: Y 12-APR-2006 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		Ē	cozone
12060 /12059	DEF	AT Eggerella sp. (local marker)	DEF	IN	2
12180 /12179	DEF	AT local marker benthic foram increase	DEF	AT	2
12330 /12328	DEF	AT local marker foram increase	DEF	IN	2
12480 /12476	DEF	AT local marker benthic foram increase	DEF	IN	2
12540 /12535	DEF	AT faunal change (no faunal increase)	DEF	AT	2
12570 /12564	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
12600 /12594	DEF	AT local marker foram increase	DEF	IN	2
12660 /12652	DEF	AT local marker foram decrease	DEF	AT	2
13200 /13163	DEF	AT Eggerella sp. (local marker)	DEF	IN	2
13230 /13191	DEF	AT local marker foram decrease	DEF	AT	2
13650 /13585	DEF	AT local marker benthic foram increase	DEF	AT	2
13680 /13613	DEF	AT local marker benthic foram increase	DEF	IN	2
13710 /13641	DEF	AT local marker benthic foram increase	DEF	AT	2
13740 /13670	DEF	AT local marker foram decrease	DEF	AT	2
14610 /14512	DEF	AT faunal change (no faunal increase)	DEF	IN	2
14640 /14542	DEF	AT local marker benthic foram increase	DEF	IN	2
14670 /14572	DEF	AT faunal change (no faunal increase)	DEF	AT	2
14790 /14691	DEF	AT local marker benthic foram increase	DEF	IN	2
14850 /14751	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	2
14879 /14780	DEF	IN deepwater facies Abbeville Iberia	DEF	IN	3
14880 /14781	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
14940 /14841	DEF	AT local marker planktic foram increase	DEF	IN	3
14970 /14871	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
15000 /14901	DEF	AT local marker deep water fauna	DEF	AT	4

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 42 Date of Summary: 01-NOV-2005 9990 Source of Paleo: OPERATOR Lease Number: G22500 **Borehole MD:** 18901 Paleo Done By: BANE AND SCHUNICK Well Name: 002 **Borehole TVD:** 18800 **API Well Number:** 177004123200 Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 105 Paleo Report Num: 1 of 1 **Sample Range:** 9990 - 18900 Water Depth: 29

Public Info Code: Y 12-APR-2006 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		<u>E</u>	cozone
15330 /15231	DEF	AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF	AT	3
15360 /15261	DEF	AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF	AT	3
15450 /15351	DEF	AT local marker foram decrease	DEF	AT	2
15510 /15411	DEF	AT local marker benthic foram increase	DEF	IN	2
15540 /15441	DEF	AT local marker foram decrease	DEF	AT	2
15720 /15621	DEF	AT local marker foram increase	DEF	IN	2
15780 /15681	DEF	AT local marker foram decrease	DEF	AT	2
15930 /15831	DEF	AT local marker planktic foram increase	DEF	AT	2
15960 /15861	DEF	AT local marker planktic foram increase	DEF	IN	2
15990 /15891	DEF	AT	DEF	AT	2
16020 /15921	DEF	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	2
16050 /15951	DEF	AT local marker benthic foram increase	DEF	IN	2
16140 /16041	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16170 /16071	DEF	AT reworked material	DEF	AT	3
16320 /16221	DEF	AT faunal change (no faunal increase)	POS	AT	4
16350 /16251	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16380 /16281	DEF	AT local marker benthic foram increase	POS	AT	4
16410 /16311	DEF	AT Cyclammina cancellata (local marker)	POS	AT	4
16440 /16341	DEF	AT faunal change (no faunal increase)	DEF	IN	3
16470 /16371	DEF	AT faunal change (no faunal increase)	DEF	IN	3
16590 /16491	DEF	AT local marker planktic foram increase	DEF	IN	3
16620 /16521	DEF	AT local marker benthic foram increase	POS	AT	4
16650 /16551	DEF	AT local marker deep water fauna	DEF	AT	4
16680 /16581	DEF	AT local marker foram decrease	DEF	IN	3

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 42 Date of Summary: 01-NOV-2005 9990 Source of Paleo: OPERATOR Lease Number: G22500 **Borehole MD:** 18901 Paleo Done By: BANE AND SCHUNICK Well Name: 002 **Borehole TVD:** 18800 **API Well Number: 177004123200** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 105 Paleo Report Num: 1 of 1 **Sample Range:** 9990 - 18900 Water Depth: 29

Public Info Code: Y 12-APR-2006 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		E	cozone
16710 /16611	DEF	AT faunal change (no faunal increase)	DEF	AT	3
16740 /16641	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	3
16800 /16701	DEF	AT local marker planktic foram increase	DEF	IN	3
16890 /16791	DEF	AT faunal change (no faunal increase)	DEF	IN	2
16950 /16851	DEF	AT local marker benthic foram increase	DEF	IN	2
16980 /16881	DEF	AT faunal change (no faunal increase)	DEF	AT	3
17010 /16911	DEF	AT faunal change (no faunal increase)	DEF	IN	2
17070 /16971	DEF	AT local marker foram decrease	DEF	AT	2
17250 /17151	DEF	AT local marker benthic foram increase	DEF	AT	2
17400 /17301	DEF	AT local marker planktic foram increase	DEF	AT	2
17430 /17330	DEF	AT local marker foram decrease	DEF	AT	2
17700 /17600	POS	AT limestone	DEF	AT	2
18270 /18170	POS	AT local marker foram increase	DEF	AT	2
18330 /18230	DEF	AT local marker foram decrease	DEF	AT	2
18480 /18380	POS	AT local marker foram increase	DEF	AT	2
18600 /18499	DEF	AT local marker foram decrease	DEF	AT	2
18720 /18619	DEF	AT local marker foram increase	DEF	AT	2
18750 /18649	DEF	AT Bathysiphon fauna	DEF	AT	2
18810 /18709	DEF	AT local marker foram decrease	DEF	AT	2
18900 /18799	DEF	AT last sample examined	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 61 Date of Summary: 26-NOV-1996 First Sample Examined: 10830 Source of Paleo: OPERATOR Lease Number: G09383 **Borehole MD:** 14866 Well Name: B001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13588 **API Well Number: 177004094600** Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC **Rkb Elevation:** 119 Paleo Report Num: 1 of 2 Sample Range: 10830 - 14389 Water Depth: 36 Public Info Code: Y 14-DEC-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Original hole report

MD/TVD	Paleo Top Description	Ecozone
10830 / 9952	DEF AT first sample examined	DEF AT 2
11070 /10175	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13320 /12207	DEF AT	DEF AT 4
13860 /12681	DEF AT	DEF AT 3
14010 /12815	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14389 /13155	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 61 Date of Summary: 26-NOV-1996 First Sample Examined: 14220 Source of Paleo: OPERATOR Lease Number: G09383 **Borehole MD:** 14866 Well Name: B001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13588 **API Well Number: 177004094600** Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC **Rkb Elevation:** 119 Paleo Report Num: 2 of 2 **Sample Range:** 14220 - 14866 Water Depth: 36 Public Info Code: Y 14-DEC-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Sidetrack report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
14220 /13002	DEF AT first sample examined	DEF AT 3
14670 /13410	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT 3
14866 /13588	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 61 Date of Summary: 06-MAR-1997 First Sample Examined: 11280 17196 Lease Number: G09386 Source of Paleo: OPERATOR **Borehole MD:** Well Name: B002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14425 **API Well Number:** 177004095400 Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC **Rkb Elevation:** 123 Paleo Report Num: 1 of 2 **Sample Range:** 11280 - 16980 Water Depth: 36 Public Info Code: Y 03-APR-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Original hole report

MD/TVD	Paleo Top Description	Ecozon	e.
11280 / 9994	DEF AT first sample examined	DEF AT 2	
11670 /10273	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3	
12150 /10633	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3	
14370 /12232	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3	
16980 /14248	DEF AT last sample examined	DEF AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 61 Date of Summary: 06-MAR-1997 First Sample Examined: 16980 Lease Number: G09386 Source of Paleo: OPERATOR **Borehole MD:** 17196 Well Name: B002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14425 **API Well Number:** 177004095400 Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC **Rkb Elevation:** 123 Paleo Report Num: 2 of 2 **Sample Range:** 16960 - 17196 Water Depth: 36 Public Info Code: Y 03-APR-2007 Paleo ID: Ecozone Eq MMS: Y 003

Remark: Sidetrack report, no diagnostic foram markers noted

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16960 /14231	DEF AT first sample examined	DEF AT 3
17196 /14425	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:	WC 61	Date of Summary: 19-OCT-1995	First Sample Examined:	0
Lease Number:	G09387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	15700
Well Name:	A004	Paleo Done By: OPERATOR	Borehole TVD:	13981
API Well Number:	177004090700	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation:	120
Paleo Report Num:	1 of 1	Sample Range: 0 - 0	Water Depth:	36
Public Info Code:	Y 11-APR-2005	Ecozone Ea MMS:	Paleo ID:	002

Remark: In=sand

MD/TVD	Paleo Top Description		Ecozone	
11160 /10064	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT 3	
14890 /13300	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT 3	
15600 /13896	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF	AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 66 Date of Summary: 18-NOV-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G01860 **Borehole MD:** 9240 Paleo Done By: OPERATOR Well Name: C002 **Borehole TVD:** 8434 **API Well Number: 177004036601** Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 116 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 32 Public Info Code: Y 18-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7040 / 6889	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7588 / 7292	DEF AT deepwater facies Harang	DEF AT
8666 / 8050	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 66 Date of Summary: 18-AUG-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G02826 **Borehole MD:** 11044 Paleo Done By: OPERATOR Well Name: B016 **Borehole TVD:** 10614 **API Well Number:** 177004097100 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 110 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 32 Public Info Code: Y 12-AUG-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD	/TVD		Paleo Top Description		Ecozone
6850	/ 6645	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT
7630	/ 7357	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT
8454	/ 8113	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT
10432	/10003	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 102	Date of Summary: 09-APR-1997	First Sample Examined:	0
Lease Number: 00247	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	16484
Well Name: 027	Paleo Done By: OPERATOR	Borehole TVD:	16484
API Well Number: 177004095900	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation:	92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	40
Public Info Code: Y 09-APR-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8750 / 8749	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10180 /10179	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11080 /11079	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12400 /12398	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 109 Date of Summary: 16-JAN-2007 First Sample Examined: 5090 Lease Number: G23744 Source of Paleo: OPERATOR **Borehole MD:** 18202 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17047 **API Well Number: 177004126100** Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 124 **Sample Range:** 5090 - 18200 Paleo Report Num: 1 of 1 Water Depth: 42 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, 6920=Globigerinoides subquadratus, 9440=Discorbis crosbiei, 9620=Globigerinoides diminutus, see report for details

MD/TVD		Paleo Top Description			Ecozone
5090 / 5090	DEF AT	first sample examined	DEF	AT	1
5180 / 5180	DEF AT		DEF	AT	2
5300 / 5300	DEF AT		DEF	AT	1
5630 / 5630	DEF AT	Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	1
5660 / 5660	POS AT	Upper Miocene (Tortonian) Discorbis 12	DEF	AT	1
5719 / 5719	DEF IN	Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
5720 / 5720	DEF AT	Upper Miocene (Tortonian) Bigenerina "B"	DEF	AT	2
5780 / 5780	DEF AT	Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	2
5930 / 5930	DEF AT		DEF	AT	1
6110 / 6110	DEF AT		DEF	AT	2
6260 / 6260	POS AT	Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	2
6440 / 6440	DEF AT		DEF	AT	3
6590 / 6590	DEF AT		DEF	AT	2
6650 / 6650	DEF AT		DEF	AT	1
6800 / 6800	DEF AT		DEF	AT	2
6920 / 6920	DEF IN	Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	2
6950 / 6950	POS AT	Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	2
7250 / 7250	DEF AT	Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	2
7340 / 7340	DEF AT	Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	3
7520 / 7520	DEF AT		DEF	IN	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 109 First Sample Examined: 5090 Date of Summary: 16-JAN-2007 Lease Number: G23744 Source of Paleo: OPERATOR **Borehole MD:** 18202 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17047 **API Well Number: 177004126100 Drilling Operator: NEXEN PETROLEUM USA INC Rkb Elevation:** 124 Paleo Report Num: 1 of 1 Sample Range: 5090 - 18200 Water Depth: 42 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD **Paleo Top Description Ecozone** DEF AT -----DEF AT 7610 / 7610 3 7670 / 7670 AT Middle Miocene (Serravallian) Cristellaria "I" **DEF** IN 3 AT Middle Miocene (Serravallian) Sphenolithus heteromorphus 3 7730 / 7730 DEF DEF IN DEF AT ----DEF AT 3 7820 / 7820 8090 / 8090 DEF AT -----DEF AT 2 DEF AT -----DEF 8120 / 8120 ΑT 1 DEF AT -----8360 / 8360 DEF AT 2 2 8419 / 8419 DEF AT Middle Miocene (Serravallian) Discoaster petaliformis DEF AT AT Middle Miocene (Serravallian) Globorotalia peripheroronda 8420 / 8420 DEF AT DEF AT -----8600 / 8600 DEF AT 1 DEF AT -----8750 / 8749 DEF AT 2 8870 / 8869 DEF AT Middle Miocene (Langhian) Globigerinoides sicanus DEF AT 3 AT Middle Miocene (Langhian) Helicosphaera ampliaperta 9019 / 9017 DEF DEF AT 3 9020 / 9018 AT Middle Miocene (Langhian) Globigerinatella insueta DEF AT 3 3 9439 / 9432 DEF AT local marker (general) DEF AT 9440 / 9433 DEF AT Middle Miocene (Langhian) Robulus "L" / 43 DEF AT 3 9620 / 9608 AT local marker planktic foram increase DEF AT 3 DEF 9710 / 9693 DEF AT ----DEF AT 2 DEF AT -----9920 / 9889 DEF AT 1 10100 /10048 DEF AT ----DEF AT 2 10130 /10074 DEF AT -----DEF AT 1 DEF AT 2 10280 /10204 DEF AT Lower Miocene (Burdigalian) Robulus 54B DEF AT -----DEF AT 10460 /10358 1 DEF AT -----DEF AT 2 10880 /10720

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 109 Date of Summary: 16-JAN-2007 First Sample Examined: 5090 Lease Number: G23744 Source of Paleo: OPERATOR **Borehole MD:** 18202 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17047 **API Well Number: 177004126100** Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 124 Paleo Report Num: 1 of 1 **Sample Range:** 5090 - 18200 Water Depth: 42 Public Info Code: Y 30-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD	Paleo Top Description			Ecc	ozone
11240 /11031	DEF AT		DEF	AT	1
11390 /11160	DEF AT		DEF	AT	2
11570 /11316	POS AT Lower Miocene (Burdigalian) C	Catapsydrax stainforthi	DEF	AT	2
12350 /12001	DEF AT reworked material		DEF	AT	2
12410 /12053	DEF AT Lower Miocene (Burdigalian) G	Gyroidina "K" / 9 / 4	DEF	AT	3
12470 /12105	DEF AT		DEF	AT	2
12530 /12157	DEF AT		DEF	AT	1
12710 /12311	DEF AT		DEF	AT	2
12740 /12337	DEF AT		DEF	AT	1
12890 /12464	DEF AT		DEF	AT	2
13100 /12643	DEF AT		DEF	AT	3
13279 /12795	DEF AT Lower Miocene (Burdigalian) S	Sphenolithus belemnos	DEF	AT	4
13280 /12796	DEF AT Lower Miocene (Burdigalian) R	Robulus chambersi	DEF	AT	4
13310 /12822	DEF AT Lower Miocene (Burdigalian) C	Catapsydrax dissimilis	DEF	AT	4
13370 /12873	DEF AT		DEF	AT	3
13610 /13078	DEF AT		DEF	AT	2
14300 /13680	DEF AT		DEF	AT	3
14330 /13707	DEF AT		DEF	AT	2
14690 /14032	DEF AT		DEF	AT	3
14720 /14058	POS AT Lower Miocene (Burdigalian) G	3lobigerina binaensis	DEF	AT	4
14960 /14267	DEF AT Lower Miocene (Burdigalian) M	Varginulina ascensionensis / "A"	DEF	AT	4
15080 /14372	DEF AT		DEF	AT	3
15290 /14558	DEF AT		DEF	AT	2
15500 /14746	DEF AT		DEF	AT	3

This report contains public paleo reports only for the time period stated

Pales Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 109 Date of Summary: 16-JAN-2007 5090 Source of Paleo: OPERATOR 18202 Lease Number: G23744 **Borehole MD:** Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 17047 **API Well Number:** 177004126100 Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 124 Paleo Report Num: 1 of 1 **Sample Range:** 5090 - 18200 Water Depth: 42 Public Info Code: Y 30-APR-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	<u> </u>	Paleo Top Description			<u>Ecozone</u>
15890 /1509	DEF	AT	DEF	AT	2
16370 /1549	DEF	AT	DEF	AT	3
16730 /1580	00 DEF	AT	DEF	ΑT	4
16850 /1590	DEF	AT Lower Miocene (Burdigalian) Gyroidina 8	DEF	ΑT	4
17300 /1627	78 DEF	AT reworked material	DEF	ΑT	4
17780 /1668	5 DEF	AT	DEF	ΑT	3
17960 /1683	9 DEF	AT	DEF	ΑT	2
18110 /1696	S8 DEF	AT	DEF	AT	3
18200 /1704	5 DEF	AT last sample examined	DEF	ΑT	3

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 128 Date of Summary: 23-APR-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G21537 **Borehole MD:** 8507 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 8507 **API Well Number:** 177004108300 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 91 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 38

Remark:

Public Info Code: Y 30-APR-2005

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7400 / 7399	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8170 / 8169	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 130 Date of Summary: 26-AUG-1996 First Sample Examined: 7660 Source of Paleo: OPERATOR Lease Number: G12761 **Borehole MD:** 14800 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 14800 **API Well Number:** 177004094000 **Drilling Operator:** DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 7660 - 14800 Water Depth: 40 Public Info Code: Y 10-SEP-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		Eco	zone
7660 / 7660	DEF	AT first sample examined	DEF	AT	2
7690 / 7690	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	2
7780 / 7780	DEF	AT	DEF	AT	3
8290 / 8289	DEF	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	3
8830 / 8829	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
9850 / 9849	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
11650 /11649	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	3
13300 /13299	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	3
13540 /13539	DEF	AT Lower Miocene (Burdigalian) Gyroidina 8	DEF	AT	4
14800 /14798	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 First Sample Examined: 4600 Date of Summary: 28-NOV-2006 Lease Number: G23747 Source of Paleo: OPERATOR **Borehole MD:** 11396 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 11380 **API Well Number: 177004124400** Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4600 - 11396 Water Depth: 40 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

MD/TVD	Paleo Top Description		E	ozone
4600 / 4600	DEF AT first sample examined	DEF	AT	1
4750 / 4750	DEF AT	DEF	AT	2
4810 / 4810	DEF AT	DEF	AT	1
4960 / 4960	DEF AT	DEF	AT	2
4990 / 4990	DEF AT	DEF	AT	1
5080 / 5080	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	1
5110 / 5110	DEF AT	POS	AT	1
5170 / 5170	DEF AT	DEF	AT	2
5200 / 5200	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF	AT	2
5290 / 5290	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	2
5560 / 5560	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
5800 / 5800	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF	AT	2
5890 / 5890	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	2
5950 / 5950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	2
6190 / 6190	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	2
6249 / 6249	DEF AT local marker foram increase	DEF	AT	2
6250 / 6250	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	2
6580 / 6580	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	3
6640 / 6640	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	3
6790 / 6790	DEF AT	DEF	AT	2
6970 / 6970	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	2

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 135 Date of Summary: 28-NOV-2006 4600 Source of Paleo: OPERATOR Lease Number: G23747 **Borehole MD:** 11396 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 11380 **API Well Number:** 177004124400 Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4600 - 11396 Water Depth: 40

Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		Ec	cozone
7000 / 7000	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	3
7030 / 7030	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT	3
7090 / 7090	DEF	AT	DEF	AT	2
7330 / 7330	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	3
7390 / 7390	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	3
7420 / 7420	DEF	AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF	AT	3
7540 / 7540	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	3
7690 / 7690	POS	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	3
7750 / 7750	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	3
7810 / 7810	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT	3
8530 / 8530	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
8560 / 8560	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	3
8650 / 8650	DEF	AT	DEF	AT	2
9010 / 9010	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	3
9190 / 9190	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	3
9280 / 9280	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	3
9580 / 9580	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
9610 / 9610	DEF	IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	3
9640 / 9640	DEF	AT	POS	AT	3
9700 / 9700	POS	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	3
10179 /10178	POS	AT out-of-place section	DEF	AT	3
10180 /10179	DEF	AT Lower Miocene (Burdigalian) Camerina 1	DEF	AT	3
10390 /10389	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
10510 /10509	DEF	AT	DEF	AT	2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 Date of Summary: 28-NOV-2006 First Sample Examined: 4600 Source of Paleo: OPERATOR Lease Number: G23747 **Borehole MD:** 11396 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 11380 **API Well Number:** 177004124400 Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 4600 - 11396 Water Depth: 40 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10990 /10984	DEF AT	DEF AT 3
11110 /11102	DEF AT	DEF AT 2
11200 /11190	DEF AT local marker benthic foram increase	DEF AT 2
11260 /11249	DEF IN local marker floral increase	DEF AT 2
11396 /11380	DEF AT last sample examined	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 Date of Summary: 28-NOV-2006 First Sample Examined: 11400 Lease Number: G23747 Source of Paleo: OPERATOR **Borehole MD:** 15206 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 14300 **API Well Number: 177004124401** Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 Sample Range: 11400 - 15206 Water Depth: 42 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species

abundance and diversity table available, see report for details

MD/TVD		Paleo Top Description		E	cozone
11400 /11391	DEF	AT first sample examined	DEF	AT	2
11550 /11538	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	2
11670 /11653	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	AT	3
11760 /11739	DEF	AT	DEF	AT	2
12150 /12091	POS	AT local marker benthic foram increase	DEF	AT	3
12180 /12117	DEF	AT	DEF	AT	2
12660 /12500	DEF	AT	DEF	AT	1
12870 /12653	DEF	AT	POS	AT	1
12960 /12718	DEF	AT	DEF	AT	1
12990 /12740	DEF	AT	POS	AT	1
13200 /12888	DEF	AT	DEF	AT	1
13230 /12909	DEF	AT	POS	AT	1
13350 /12994	DEF	AT	DEF	AT	1
13380 /13015	DEF	AT	POS	AT	1
13440 /13058	DEF	AT	DEF	AT	1
13530 /13122	DEF	AT	POS	AT	1
13590 /13166	DEF	AT	DEF	AT	2
13620 /13187	POS	AT	DEF	AT	1
13770 /13296	DEF	AT	DEF	AT	2
13890 /13383	DEF	AT	POS	AT	2
13950 /13425	DEF	AT	DEF	AT	1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 Date of Summary: 28-NOV-2006 First Sample Examined: 11400 Lease Number: G23747 Source of Paleo: OPERATOR **Borehole MD:** 15206 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 14300 **API Well Number: 177004124401** Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 11400 - 15206 Water Depth: 42 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		<u>E</u> c	cozone
14040 /13488	DEF	AT	DEF	AT	2
14310 /13675	DEF	AT	POS	AT	2
14400 /13737	DEF	AT	DEF	AT	1
14430 /13758	DEF	AT	POS	AT	1
14500 /13807	DEF	AT	DEF	AT	1
14560 /13849	DEF	AT	POS	AT	1
14710 /13954	DEF	AT	DEF	AT	2
14740 /13975	POS	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	2
14799 /14015	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT	4
14800 /14016	DEF	AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	4
14890 /14078	DEF	AT	DEF	AT	3
15160 /14267	DEF	AT	DEF	AT	4
15206 /14299	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 Date of Summary: 28-NOV-2006 First Sample Examined: 11200 17732 Lease Number: G23747 Source of Paleo: OPERATOR **Borehole MD:** Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 17500 **API Well Number:** 177004124402 Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 Sample Range: 11200 - 17730 Water Depth: 42 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species

abundance and diversity table available, see report for details

Paleo Top Description		E	cozone
AT first sample examined	POS	AT	2
AT	DEF	AT	2
AT	POS	AT	2
AT	DEF	AT	2
AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	AT	3
AT	DEF	AT	2
AT reworked material	DEF	AT	2
AT	POS	AT	2
AT	DEF	AT	2
AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	4
AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	4
AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT	4
AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	4
AT cement	DEF	AT	3
AT	DEF	AT	2
AT	DEF	AT	3
AT	DEF	AT	4
AT	DEF	AT	3
AT	DEF	AT	4
AT	DEF	AT	3
AT	DEF	AT	2
	AT first sample examined AT AT AT AT Lower Miocene (Burdigalian) Catapsydrax stainforthi AT AT reworked material AT AT Lower Miocene (Burdigalian) Catapsydrax dissimilis AT Lower Miocene (Burdigalian) Robulus chambersi AT Lower Miocene (Burdigalian) Sphenolithus belemnos AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" AT cement AT AT	AT first sample examined POS AT DEF AT POS AT DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi DEF AT DEF AT reworked material DEF AT POS AT DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" DEF AT DEF	AT first sample examined POS AT AT DEF AT AT POS AT AT DEF AT AT Lower Miocene (Burdigalian) Catapsydrax stainforthi DEF AT AT DEF AT AT reworked material DEF AT AT POS AT AT POS AT AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT AT Lower Miocene (Burdigalian) Sphenolithus belemnos DEF AT AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" DEF AT AT DEF AT AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 135 Date of Summary: 28-NOV-2006 First Sample Examined: 11200 17732 Lease Number: G23747 Source of Paleo: OPERATOR **Borehole MD:** Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 17500 **API Well Number:** 177004124402 Drilling Operator: NEXEN PETROLEUM USA INC **Rkb Elevation:** 101 Paleo Report Num: 1 of 1 **Sample Range:** 11200 - 17730 Water Depth: 42 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		ļ	<u>Ecozone</u>
15960 /15733	DEF	AT	POS	AT	2
16020 /15793	DEF	AT	DEF	AT	2
16290 /16062	DEF	AT	DEF	AT	1
16320 /16092	DEF	AT	POS	AT	1
16440 /16212	DEF	AT	DEF	AT	1
16470 /16242	DEF	AT	POS	AT	1
16950 /16721	DEF	AT	DEF	AT	2
17010 /16780	POS	IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT	3
17100 /16870	DEF	AT	DEF	AT	4
17129 /16899	DEF	AT Lower Miocene (Burdigalian) Gyroidina 8	DEF	AT	4
17130 /16900	DEF	AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF	AT	4
17160 /16930	DEF	AT reworked material	DEF	AT	4
17400 /17169	DEF	AT	DEF	AT	3
17610 /17378	DEF	AT	DEF	AT	4
17730 /17498	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 13-MAY-2005 Area Block: WC 147 First Sample Examined: 11800 16777 Lease Number: G22518 Source of Paleo: OPERATOR **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16774 **API Well Number:** 177004122300 **Drilling Operator: REMINGTON OIL AND GAS CORPORATION Rkb Elevation:** 96 Paleo Report Num: 1 of 1 **Sample Range:** 11800 - 16750 Water Depth: 45 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
11800 /11799	DEF AT first sample examined	DEF AT 3
11801 /11800	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16750 /16747	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 153 Date of Summary: 08-DEC-2003 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G10549 **Borehole MD:** 16364 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16362 **API Well Number:** 177004117500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 8000 - 16365 Water Depth: 43 Public Info Code: Y 05-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		ļ	Ecozone
8000 / 7999	DEF	AT first sample examined	DEF	AT	2
8100 / 8099	DEF	AT	DEF	AT	3
8160 / 8159	POS	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	3
8760 / 8759	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	3
8879 / 8878	DEF	AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF	AT	3
8880 / 8879	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	3
9000 / 8998	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	3
9240 / 9238	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
9480 / 9478	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	2
10200 /10198	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	2
11400 /11398	DEF	AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF	AT	3
11460 /11458	DEF	AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	AT	3
12690 /12688	DEF	AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF	AT	3
13830 /13828	DEF	AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT	4
14430 /14428	DEF	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT	4
14580 /14578	DEF	AT local marker benthic foram increase	DEF	AT	3
15720 /15718	POS	AT Lower Miocene (Burdigalian) Gyroidina 8	DEF	AT	3
16080 /16078	DEF	AT local marker planktic foram increase	DEF	AT	4
16365 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 153 Date of Summary: 08-DEC-2003 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G10549 **Borehole MD:** 16364 Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16362 **API Well Number:** 177004117500 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 2 of 2 **Sample Range:** 8000 - 16365 Water Depth: 43 Public Info Code: Y 05-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
8000 / 7999	DEF	AT first sample examined	DEF	AT
8160 / 8159	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
8760 / 8759	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
8880 / 8879	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
12690 /12688	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT
13860 /13858	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
14520 /14518	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
16365 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 153 Date of Summary: 08-DEC-2003 First Sample Examined: 13587 Source of Paleo: OPERATOR 16767 Lease Number: G10549 **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16200 **API Well Number:** 177004117501 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 1 of 2 **Sample Range:** 13587 - 16767 Water Depth: 43 Public Info Code: Y 05-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description			Eco	ozone
13587 /13585	DEF AT first sample examined		DEF	AT	3
13588 /13586	DEF IN Lower Miocene (Burdigalian) Cris	stellaria "A"	DEF	AT	3
13830 /13827	DEF AT Lower Miocene (Burdigalian) Mar	rginulina ascensionensis / "A"	DEF	AT	4
14610 /14533	DEF AT local marker foram decrease		DEF	AT	3
14910 /14770	DEF AT Lower Miocene (Burdigalian) Glol	bigerina binaensis	DEF	AT	3
14939 /14792	DEF AT Lower Miocene (Burdigalian) Gyro	roidina 8	DEF	AT	3
14940 /14793	DEF AT Lower Miocene (Burdigalian) Siph	hogenerina fredsmithi	DEF	AT	3
16710 /16156	DEF AT faunal change (no faunal increas	se)	DEF	AT	4
16767 /16200	DEF AT last sample examined		DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 153 Date of Summary: 08-DEC-2003 First Sample Examined: 13587 Source of Paleo: OPERATOR 16767 Lease Number: G10549 **Borehole MD:** Well Name: 002 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16200 **API Well Number:** 177004117501 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC **Rkb Elevation:** 100 Paleo Report Num: 2 of 2 **Sample Range:** 13587 - 16770 Water Depth: 43 Public Info Code: Y 05-AUG-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13587 /13585	DEF AT first sample examined	DEF AT
13800 /13797	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
14670 /14582	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16680 /16132	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
16770 /	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 175 Date of Summary: 06-OCT-2003 First Sample Examined: 10000 Source of Paleo: OPERATOR Lease Number: G21538 **Borehole MD:** 15300 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 15280 **API Well Number: 177004116800 Drilling Operator: NEWFIELD EXPLORATION COMPANY Rkb Elevation:** 101 Paleo Report Num: 1 of 1 Sample Range: 10000 - 15300 Water Depth: 40 Public Info Code: Y 30-JUN-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10000 /10000	DEF	AT first sample examined	DEF /	AT 3
10090 /10090	POS	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF /	AT 3
11230 /11230	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF /	AT 3
11620 /11620	DEF	AT local marker planktic foram increase	DEF /	AT 3
11650 /11650	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF /	AT 3
11980 /11980	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF /	AT 3
12730 /12729	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF /	AT 3
14680 /14671	DEF	AT	DEF /	AT 4
15300 /15280	DEF	AT last sample examined	DEF /	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 182 Date of Summary: 14-NOV-1996 First Sample Examined: 4000 Lease Number: G15062 Source of Paleo: OPERATOR **Borehole MD:** 15650 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13944 **API Well Number: 177004093600 Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 167 Paleo Report Num: 1 of 3 **Sample Range:** 4000 - 12190 Water Depth: 52 Public Info Code: Y 28-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Original hole report

MD/TVD		Paleo Top Description		Ecozone	
4000 / 4000	DEF	AT first sample examined	DEF	AT 2	
5950 / 5942	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT 2	
6580 / 6572	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT 2	
7480 / 7471	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT 2	
7960 / 7951	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT 2	
8530 / 8521	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT 3	
9340 / 9331	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 3	
9820 / 9798	DEF	AT Middle Miocene (Serravallian) Textularia "W"	DEF	AT 3	
10120 /10079	DEF	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT 3	
12100 /11679	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT 3	
12947 /12213	DEF	AT last sample examined	DEF	AT 3	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 182 Date of Summary: 14-NOV-1996 First Sample Examined: 12120 Lease Number: G15062 Source of Paleo: OPERATOR **Borehole MD:** 15650 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13944 **API Well Number: 177004093600 Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 167 Paleo Report Num: 2 of 3 **Sample Range:** 12120 - 12947 Water Depth: 52 Public Info Code: Y 28-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Sidetrack 1 report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12120 /11692	DEF AT first sample examined	DEF AT 3
12180 /11730	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12947 /12213	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 182 Date of Summary: 14-DEC-1996 First Sample Examined: 12930 Source of Paleo: OPERATOR Lease Number: G15062 **Borehole MD:** 15650 Well Name: A001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 13944 **API Well Number: 177004093600 Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 167 Paleo Report Num: 3 of 3 **Sample Range:** 12930 - 14880 Water Depth: 52 Public Info Code: Y 28-OCT-2006 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Sidetrack 2 report

MD/TVD	Paleo Top Description	<u>Ecozone</u>
12930 /12203	DEF AT first sample examined	DEF AT 3
14880 /13468	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15650 /13944	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 195	Date of Summary: 19-AUG-1997	First Sample Examined:	0
Lease Number: G16123	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12025
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	12020
API Well Number: 177004096700	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation:	102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	58
Public Info Code: Y 30-JUL-2005	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8505 / 8504	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11220 /11219	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
11950 /11947	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 195 Date of Summary: 19-AUG-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G16123 **Borehole MD:** 11675 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 10852 **API Well Number:** 177004097200 Drilling Operator: IP PETROLEUM COMPANY INC **Rkb Elevation:** 102 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 58 Public Info Code: Y 30-JUL-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
8860 / 8466	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11115 /10334	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 201 Date of Summary: 01-JUN-2002 First Sample Examined: 4500 Source of Paleo: OPERATOR Lease Number: G22523 **Borehole MD:** 19500 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19500 **API Well Number: 177004112800** Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 19500 Water Depth: 58 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

MD/TVD	<u>Pa</u>	leo Top Description		E	<u> Cozone</u>
4500 / 4500	DEF AT fir	t sample examined	DEF	AT	1
5040 / 5040	DEF IN U	per Miocene (Tortonian) Textularia "L"	DEF	AT	1
6600 / 6600	DEF AT -		DEF	AT	2
7080 / 7080	DEF AT -		DEF	IN	2
7140 / 7140	DEF AT -		DEF	AT	1
7680 / 7680	DEF AT -		DEF	IN	2
7770 / 7770	DEF AT C	clammina cancellata (local marker)	DEF	IN	2
7860 / 7860	DEF AT -		DEF	AT	3
7920 / 7920	DEF AT -		DEF	AT	2
8100 / 8100	DEF AT -		DEF	IN	2
8790 / 8790	DEF AT Mi	ddle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	3
8940 / 8940	DEF AT -		DEF	AT	2
9930 / 9930	DEF IN Mi	ddle Miocene (Serravallian) Textularia "W"	DEF	AT	2
10050 /10050	DEF AT -		DEF	AT	1
10440 /10439	DEF AT -		DEF	IN	2
10860 /10859	DEF AT E	gerella sp. (local marker)	DEF	AT	3
10980 /10979	DEF AT lo	al marker benthic foram increase	DEF	AT	3
11040 /11039	DEF AT -		DEF	IN	2
11130 /11129	DEF AT -		DEF	AT	3
11250 /11249	DEF AT fo	am flood	DEF	AT	3
11370 /11369	DEF AT -		DEF	IN	3
11520 /11519	DEF AT -		DEF	AT	4

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 201 Date of Summary: 01-JUN-2002 First Sample Examined: 4500 Lease Number: G22523 Source of Paleo: OPERATOR **Borehole MD:** 19500 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 19500 **API Well Number: 177004112800** Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 19500 Water Depth: 58 Public Info Code: Y 30-JUN-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/	TVD	Paleo Top Description		Eco	zone
11610 /1	11609 DE	AT	DEF	AT	3
11700 /1	11699 DE	AT foram flood	DEF	AT	3
11940 /1	11939 DE	AT foram flood	DEF	IN	3
12390 /1	12389 DE	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	3
12510 /1	12509 DE	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	3
12630 /1	12629 DE	AT Arenaceous fauna (local marker)	DEF	AT	4
12660 /1	12659 DE	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	4
12840 /1	12839 DE	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
12870 /1	12869 DE	AT Cyclammina cancellata (local marker)	DEF	AT	4
13260 /1	13259 DE	AT	DEF	AT	2
13350 /1	13349 DE	AT	DEF	AT	3
13530 /1	13529 DE	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
14040 /1	14039 DE	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	3
14280 /1	14279 DE	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
14880 /1	14879 DE	AT	DEF	AT	3
15210 /1	15209 DE	AT Eggerella sp. (local marker)	DEF	AT	3
15540 /1	15539 PO	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
15810 /1	15809 DE	AT local marker deep water fauna	DEF	AT	3
15840 /1	15839 DE	AT local marker benthic foram increase	DEF	AT	4
16480 /1	16478 DE	AT Middle Miocene (Langhian) Cibicides 38	DEF	AT	4
16500 /1	16498 DE	AT local marker benthic foram increase	DEF	AT	4
16590 /1	16588 DE	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	4
17040 /1	17038 DE	AT	DEF	AT	3
17640 /1	17638 DE	AT Arenaceous fauna (local marker)	DEF	AT	3

This report contains public paleo reports only for the time period stated

Pales Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 201 Date of Summary: 01-JUN-2002 4500 Source of Paleo: OPERATOR Lease Number: G22523 **Borehole MD:** 19500 Paleo Done By: OPERATOR Well Name: 001 **Borehole TVD:** 19500 **API Well Number: 177004112800** Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 4500 - 19500 Water Depth: 58 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
17880 /17878	DEF AT	DEF AT 4
17970 /17968	DEF AT	DEF AT 3
18330 /18327	DEF AT	DEF AT 4
18540 /18537	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
18960 /18956	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19500 /19495	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block:WC206Date of Summary:24-NOV-1997First Sample Examined:0Lease Number:G03496Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:14900Well Name:001Paleo Done By:OPERATORBorehole TVD:14900

API Well Number: 177004095700 Prilling Operator: DEVON SFS OPERATING INC Rkb Elevation: 100

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 57

Public Info Code: Y 27-JAN-2007 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11280 /11279	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11460 /11459	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 206 Date of Summary: 05-JAN-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G03496 **Borehole MD:** 13135 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 11672 **API Well Number: 177004097501 Drilling Operator: DEVON SFS OPERATING INC Rkb Elevation:** 96 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 58 Public Info Code: Y 16-DEC-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5400 / 5388	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7120 / 6849	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9640 / 8897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12100 /10872	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12914 /11554	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 229 Date of Summary: 25-APR-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G31293 **Borehole MD:** 13929 Paleo Done By: OPERATOR Well Name: C001 **Borehole TVD:** 13928 **API Well Number: 177004108500** Drilling Operator: APEX OIL & GAS INC **Rkb Elevation:** 99 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 66 Public Info Code: Y 13-SEP-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5800 / 5800	DEF AT Pliocene	DEF AT
6420 / 6420	POS IN Upper Miocene (Tortonian) Textularia 6	DEF AT
12410 /12409	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 247 Date of Summary: 09-OCT-2003 First Sample Examined: 800 Lease Number: G22533 Source of Paleo: OPERATOR **Borehole MD:** 4600 Well Name: 001 Paleo Done By: PALEO CONTROL INC. **Borehole TVD:** 4600 **API Well Number:** 177004117700 **Drilling Operator:** J M HUBER CORPORATION **Rkb Elevation:** 97 Paleo Report Num: 1 of 1 Sample Range: 800 - 4600 Water Depth: 80 Public Info Code: Y 30-JUN-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Paleobathymetry is brackish to marginal marine from 950 to 3519, and from 4090 to 4239

MD/TVD	Paleo Top Description	<u>Ecozone</u>
800 / 800	DEF AT first sample examined	DEF AT 1
801 / 801	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 1
3520 / 3520	DEF AT non-marine sediment	DEF AT 0
4240 / 4240	DEF AT local marker foram increase	DEF AT 1
4420 / 4420	DEF AT	DEF IN 1
4540 / 4540	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 1
4570 / 4570	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
4600 / 4600	DEF AT last sample examined	DEF AT 1

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 265 Date of Summary: 07-JUN-2006 First Sample Examined: 4632 Lease Number: G24723 Source of Paleo: OPERATOR **Borehole MD:** 19415 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19393 **API Well Number:** 177004123500 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 132 Paleo Report Num: 1 of 1 **Sample Range:** 4632 - 19410 Water Depth: 80 Public Info Code: Y 25-APR-2007 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Consultant-integrated foram and nanno report

MD/TVD		Paleo Top Description		Ec	cozone
4632 / 4632	DEF	AT first sample examined	DEF	IN	1
5790 / 5789	DEF	AT	DEF	AT	2
5820 / 5819	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
5850 / 5849	DEF	AT	DEF	AT	3
5880 / 5879	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	3
5970 / 5969	POS	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	3
6000 / 5999	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	3
6570 / 6569	POS	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	3
7440 / 7439	POS	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	AT	4
7690 / 7689	DEF	AT	DEF	AT	3
7800 / 7799	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT	3
8100 / 8099	DEF	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	3
8160 / 8159	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
8640 / 8639	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	3
9000 / 8999	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
9090 / 9089	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
9150 / 9149	DEF	AT Cyclammina cancellata (local marker)	DEF	AT	4
9810 / 9809	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT	4
9930 / 9929	POS	AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	4
10050 /10049	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	4
10230 /10229	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
10290 /10289	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 265 Date of Summary: 07-JUN-2006 First Sample Examined: 4632 Lease Number: G24723 Source of Paleo: OPERATOR **Borehole MD:** 19415 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19393 **API Well Number:** 177004123500 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 132 Paleo Report Num: 1 of 1 **Sample Range:** 4632 - 19410 Water Depth: 80 Paleo ID: 001

Public Info Code: Y 25-APR-2007 Ecozone Eq MMS: Y

Paleo Top Description		Ec	ozone
AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	4
AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
IN Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	4
AT	DEF	AT	5
AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	5
AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF	AT	5
AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	5
AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	5
AT	DEF	AT	4
AT	DEF	AT	5
AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	5
AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
AT	DEF	AT	5
AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	5
AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	5
AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	5
AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
	AT Upper Miocene (Tortonian) Catinaster mexicanus AT Upper Miocene (Tortonian) Minylitha convallis IN Upper Miocene (Tortonian) Cristellaria "K" AT AT Upper Miocene (Tortonian) Discoaster prepentaradiatus AT Upper Miocene (Tortonian) Bolivina thalmanni AT Upper Miocene (Tortonian) Discoaster bollii AT Upper Miocene (Tortonian) Discoaster bollii AT Upper Miocene (Tortonian) Discoaster hamatus AT AT Upper Miocene (Tortonian) Discoaster hamatus AT AT Upper Miocene (Tortonian) Textularia "L" AT Upper Miocene (Tortonian) Catinaster coalitus AT Upper Miocene (Tortonian) Globorotalia mayeri AT Upper Miocene (Tortonian) Uvigerina 3 AT Upper Miocene (Tortonian) Coccolithus miopelagicus AT Upper Miocene (Tortonian) Coccolithus miopelagicus AT AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster sanmiguelensis AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	AT Upper Miocene (Tortonian) Catinaster mexicanus AT Upper Miocene (Tortonian) Minylitha convallis IN Upper Miocene (Tortonian) Cristellaria "K" DEF AT AT AT Upper Miocene (Tortonian) Discoaster prepentaradiatus AT Upper Miocene (Tortonian) Bolivina thalmanni DEF AT Upper Miocene (Tortonian) Discoaster bollii DEF AT Upper Miocene (Tortonian) Discoaster bollii DEF AT Upper Miocene (Tortonian) Discoaster bollii DEF AT Upper Miocene (Tortonian) Discoaster hamatus DEF AT DEF AT AT Upper Miocene (Tortonian) Discoaster hamatus DEF AT DEF AT AT Upper Miocene (Tortonian) Textularia "L" DEF AT Upper Miocene (Tortonian) Catinaster coalitus DEF AT Upper Miocene (Tortonian) Globorotalia mayeri DEF AT Upper Miocene (Tortonian) Uvigerina 3 DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus AT Upper Miocene (Tortonian) Coccolithus miopelagicus DEF AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster sanmiguelensis AT Middle Miocene (Serravallian) Discoaster sanmiguelensis AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus AT Upper Miocene (Tortonian) Minylitha convallis DEF AT IN Upper Miocene (Tortonian) Cristellaria "K" DEF AT AT DEF AT AT AT Upper Miocene (Tortonian) Discoaster prepentaradiatus AT Upper Miocene (Tortonian) Bolivina thalmanni AT Upper Miocene (Tortonian) Bolivina thalmanni DEF AT AT Upper Miocene (Tortonian) Discoaster bollii DEF AT AT Upper Miocene (Tortonian) Discoaster bollii DEF AT AT Upper Miocene (Tortonian) Discoaster hamatus DEF AT AT Upper Miocene (Tortonian) Discoaster hamatus DEF AT AT DEF AT AT DEF AT AT DEF AT AT Upper Miocene (Tortonian) Textularia "L" DEF AT AT Upper Miocene (Tortonian) Catinaster coalitus AT Upper Miocene (Tortonian) Globorotalia mayeri DEF AT AT Upper Miocene (Tortonian) Uvigerina 3 DEF AT AT Upper Miocene (Tortonian) Coccolithus miopelagicus DEF AT AT Upper Miocene (Tortonian) Coccolithus miopelagicus DEF AT AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster kugleri AT Middle Miocene (Serravallian) Discoaster sanmiguelensis DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 265 Date of Summary: 07-JUN-2006 First Sample Examined: 4632 Lease Number: G24723 Source of Paleo: OPERATOR **Borehole MD:** 19415 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 19393 **API Well Number:** 177004123500 **Drilling Operator: MARATHON OIL COMPANY Rkb Elevation:** 132 Paleo Report Num: 1 of 1 **Sample Range:** 4632 - 19410 Water Depth: 80 Public Info Code: Y 25-APR-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		<u>Ec</u>	ozone
16170 /16149	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT	5
16260 /16239	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
16350 /16329	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT	5
16560 /16539	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	5
16680 /16659	POS	IN Middle Miocene (Serravallian) Cibicides opima	DEF	AT	5
17370 /17349	POS	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	5
17520 /17498	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
18600 /18577	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT	5
19020 /18997	POS	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	5
19410 /19386	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 269 Date of Summary: 10-OCT-1995 First Sample Examined: 9020 Source of Paleo: OPERATOR Lease Number: G13563 **Borehole MD:** 12910 Well Name: 001 Paleo Done By: LAURALEE R. REUGGER **Borehole TVD:** 12900 **API Well Number: 177004091900 Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 97 Paleo Report Num: 1 of 3 Sample Range: 9020 - 12950 Water Depth: 72 Public Info Code: Y 17-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
9020 / 9018	DEF	AT first sample examined	DEF	AT
9021 / 9019	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
9080 / 9078	POS	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT
9410 / 9408	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT
10040 /10038	POS	AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF	AT
10900 /10892	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
11340 /11314	POS	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
12700 /12631	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
12950 /12872	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 269 Date of Summary: 05-JAN-1996 First Sample Examined: 8480 Source of Paleo: OPERATOR Lease Number: G13563 **Borehole MD:** 12910 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 12900 **API Well Number: 177004091900 Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 97 Paleo Report Num: 2 of 3 **Sample Range:** 8480 - 12950 Water Depth: 72 Public Info Code: Y 17-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD/TVD	Paleo Top Description	Ecozone
8480 / 8479	DEF AT first sample examined	DEF AT 2
9380 / 9378	DEF AT	DEF IN 3
10310 /10308	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
10900 /10892	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
12700 /12631	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
12950 /12872	DEF AT last sample examined	DEF IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 269 Date of Summary: 30-JUN-1996 First Sample Examined: 8480 Lease Number: G13563 Source of Paleo: OPERATOR **Borehole MD:** 12910 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12900 **API Well Number: 177004091900 Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 97 Paleo Report Num: 3 of 3 **Sample Range:** 8480 - 12950 Water Depth: 72 Public Info Code: Y 17-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
8480 / 8479	DEF	AT first sample examined	DEF	AT	2
8540 / 8539	DEF	IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	2
8810 / 8808	DEF	AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	2
9380 / 9378	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	3
9410 / 9408	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
9440 / 9438	DEF	AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	IN	3
9620 / 9618	DEF	AT faunal change (no faunal increase)	DEF	AT	2
9980 / 9978	DEF	AT faunal change (no faunal increase)	DEF	IN	2
10220 /10218	DEF	AT Cyclammina cancellata (local marker)	DEF	IN	2
10250 /10248	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	IN	2
10310 /10308	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
10400 /10398	DEF	AT faunal change (no faunal increase)	DEF	AT	2
10430 /10428	DEF	AT Eggerella sp. (local marker)	DEF	AT	2
10460 /10458	DEF	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	AT	2
10839 /10833	DEF	AT Eggerella sp. (local marker)	DEF	AT	3
10840 /10834	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	3
10900 /10892	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF	IN	3
10930 /10921	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	IN	3
10960 /10950	DEF	AT sample gap top	POS	IN	3
11070 /11056	DEF	AT sample gap bottom	DEF	IN	3
11510 /11477	DEF	AT Upper Miocene (Tortonian) Textularia 6	DEF	AT	2
11540 /11506	DEF	AT faunal change (no faunal increase)	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 269 Date of Summary: 30-JUN-1996 First Sample Examined: 8480 Source of Paleo: OPERATOR Lease Number: G13563 **Borehole MD:** 12910 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 12900 **API Well Number:** 177004091900 **Drilling Operator: SHELL OFFSHORE INC Rkb Elevation:** 97 Paleo Report Num: 3 of 3 **Sample Range:** 8480 - 12950 Water Depth: 72 Public Info Code: Y 17-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD	Paleo Top Description	Ecozone
11570 /11535	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
11690 /11651	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 3
12030 /11982	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
12050 /12001	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 3
12110 /12060	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 3
12230 /12177	DEF AT sample gap top	POS IN 3
12350 /12294	DEF AT sample gap bottom	DEF IN 3
12640 /12574	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
12920 /12843	DEF AT last sample examined	DEF IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 269	Date of Summary: 24-JAN-1996	First Sample Examined: 9970
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 14555
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 13000
API Well Number: 177004092400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9970 - 14555	Water Depth: 72
Public Info Code: Y 24-OCT-2005	Ecozone Ea MMS: Y	Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description		Ec	ozone
9970 / 9744	DEF AT first sample examined	POS	AT	3
10102 / 9840	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
14555 /13000	DEF AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 269	Date of Summary: 23-AUG-1997	First Sample Examined:	0
Lease Number: G13563	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	14185
Well Name: JA004	Paleo Done By: OPERATOR	Borehole TVD:	11898
API Well Number: 177004096900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation:	118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	71
Public Info Code: Y 15-AUG-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10450 / 9686	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10840 / 9906	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11412 /10224	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT

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001

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 280 Date of Summary: 24-MAR-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G03382 **Borehole MD:** 15748 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 14349 **API Well Number: 177004032901** Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 116 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 90

Remark: In=sand

Public Info Code: Y 13-DEC-2006

MD/TVD	Paleo Top Description	<u>Ecozone</u>
10144 / 9480	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10734 / 9973	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Ecozone Eq MMS:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 294 Date of Summary: 24-FEB-1997 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G04090 **Borehole MD:** 9996 Paleo Done By: OPERATOR Well Name: B001 **Borehole TVD:** 9996 **API Well Number:** 177014029300 **Drilling Operator:** BP AMERICA PRODUCTION COMPANY **Rkb Elevation:** 96 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 48 Public Info Code: Y 08-JAN-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4090 / 4090	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4600 / 4600	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
5200 / 5200	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
5560 / 5560	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6400 / 6400	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7090 / 7090	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8230 / 8229	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8320 / 8319	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9005 / 9004	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9220 / 9219	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 296 Date of Summary: 13-SEP-2001 First Sample Examined: 7020 Source of Paleo: OPERATOR 17785 Lease Number: G21548 **Borehole MD:** Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17749 **API Well Number:** 177014033100 Drilling Operator: PIONEER NATURAL RESOURCES USAINC **Rkb Elevation:** 94 Paleo Report Num: 1 of 1 **Sample Range:** 7020 - 17785 Water Depth: 52 Public Info Code: Y 30-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
7020 / 7019	DEF	AT first sample examined	DEF	AT	2
7080 / 7079	DEF	AT	DEF	AT	3
7230 / 7229	DEF	AT local marker foram increase	DEF	AT	3
7289 / 7288	POS	AT unconformity	DEF	AT	3
7290 / 7289	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	3
7320 / 7319	DEF	AT	DEF	AT	2
7440 / 7439	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	2
7470 / 7469	DEF	AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	2
7560 / 7559	DEF	AT	DEF	AT	3
7680 / 7679	DEF	AT local marker planktic foram increase	DEF	AT	3
7950 / 7949	POS	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	3
8400 / 8399	DEF	AT	DEF	AT	2
8520 / 8519	DEF	AT	DEF	AT	3
8760 / 8759	POS	AT Middle Miocene (Serravallian) Cibicides opima	DEF	AT	3
9120 / 9119	DEF	AT local marker foram increase	DEF	AT	3
9900 / 9899	DEF	AT local marker foram increase	DEF	AT	3
10080 /10079	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	3
10290 /10289	DEF	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	3
11070 /11069	POS	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
11610 /11609	DEF	AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
11760 /11759	DEF	AT local marker planktic foram increase	DEF	AT	3
11940 /11939	DEF	AT local marker foram increase	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 296 Date of Summary: 13-SEP-2001 First Sample Examined: 7020 Source of Paleo: OPERATOR Lease Number: G21548 **Borehole MD:** 17785 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 17749 **API Well Number:** 177014033100 Drilling Operator: PIONEER NATURAL RESOURCES USA INC **Rkb Elevation:** 94 Paleo Report Num: 1 of 1 **Sample Range:** 7020 - 17785 Water Depth: 52 Public Info Code: Y 30-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

MD/TVD_		Paleo Top Description		Ecc	ozone
12450 /12448	DEF	AT local marker foram increase	DEF	AT	3
12600 /12598	DEF	AT	DEF	AT	2
12720 /12718	DEF	AT	DEF	AT	3
12750 /12748	DEF	AT local marker foram increase	DEF	AT	3
12900 /12898	DEF	AT local marker foram increase	DEF	AT	3
13320 /13317	DEF	AT	DEF	AT	2
13440 /13437	DEF	AT	DEF	AT	3
13500 /13497	DEF	IN Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
13920 /13916	DEF	AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF	AT	3
14490 /14485	POS	AT reworked material	DEF	AT	3
14910 /14904	DEF	AT	DEF	AT	2
15270 /15262	DEF	AT	DEF	AT	0
15450 /15440	DEF	AT	DEF	AT	2
15840 /15825	DEF	AT	DEF	AT	1
16020 /16003	DEF	AT	DEF	AT	2
16680 /16655	DEF	AT	DEF	AT	3
16740 /16715	DEF	AT	DEF	AT	4
16770 /16744	DEF	IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	IN	3
17760 /17724	DEF	AT	DEF	AT	3
17785 /17749	DEF	AT last sample examined	DEF	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 304 Date of Summary: 25-MAY-1998 First Sample Examined: 8000 Source of Paleo: OPERATOR Lease Number: G17786 **Borehole MD:** 9046 Well Name: 002 Paleo Done By: DANA LYNNE GRIFFITH **Borehole TVD:** 9044 **API Well Number:** 177014030200 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 94 Paleo Report Num: 1 of 1 **Sample Range:** 8000 - 9390 Water Depth: 50 Public Info Code: Y 19-APR-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
8000 / 8000	DEF	AT first sample examined	DEF A	T 2
8001 / 8001	DEF	IN Upper Miocene (Tortonian) Discorbis 12	DEF A	.Γ 2
8270 / 8269	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF A	Т 3
8360 / 8359	DEF	AT	DEF A	.Γ 2
8660 / 8659	DEF	AT	DEF A	Т 3
8780 / 8779	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF A	Т 3
9120 /	DEF	AT	DEF A	.Γ 2
9360 /	DEF	AT last sample examined	DEF A	T 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 304 First Sample Examined: Date of Summary: 29-APR-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G17786 **Borehole MD:** 9391 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 9390 **API Well Number:** 177014030201 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA **Rkb Elevation:** 100 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 50 Public Info Code: Y 19-APR-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD		Paleo Top Description		Ecozone
6019 / 6019	DEF	IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT
7340 / 7340	DEF	IN Upper Miocene (Tortonian) Robulus 15	DEF	AT
8595 / 8594	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT
9197 / 9196	DEF	IN Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 305	Date of Summary: 31-DEC-1997	First Sample Examined:	0
Lease Number: G17786	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10748
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	9604
API Well Number: 177014029901	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation:	96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	57
Public Info Code: Y 19-APR-2005	Fcozone Fa MMS:	Paleo ID:	001

Remark:

_	MD/TVD		Paleo Top Description		Ecozone
	5120 / 5120	DEF	AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT
	6230 / 6226	DEF	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT
	7649 / 7469	DEF	AT Upper Miocene (Tortonian) Robulus 15	DEF	AT
	9820 / 8938	DEF	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 335 Date of Summary: 01-FEB-2005 First Sample Examined: 7340 Source of Paleo: OPERATOR Lease Number: G23760 **Borehole MD:** 16655 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16453 **API Well Number:** 177014036700 Drilling Operator: GRYPHON EXPLORATION COMPANY **Rkb Elevation:** 101 Paleo Report Num: 1 of 2 Sample Range: 7340 - 16654 Water Depth: 73 Public Info Code: Y 25-APR-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		ļ	Ecozone
7340 / 7340	DEF	AT first sample examined	DEF	AT	3
7430 / 7430	POS	IN Upper Miocene (Tortonian) Robulus "E"	DEF	AT	3
7970 / 7970	POS	AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	3
8210 / 8210	POS	AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	3
8960 / 8959	POS	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	3
9710 / 9704	POS	AT Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
9980 / 9973	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
10040 /10033	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
10760 /10752	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	4
10940 /10932	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	4
11690 /11681	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
11810 /11801	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	ΑT	4
11870 /11861	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	ΑT	4
11900 /11891	DEF	AT	DEF	AT	5
12290 /12281	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
12470 /12461	DEF	AT Middle Miocene (Serravallian) Cibicides opima	DEF	ΑT	5
12830 /12821	DEF	AT	DEF	ΑT	6
13280 /13268	DEF	AT	DEF	ΑT	5
13400 /13386	DEF	AT	DEF	AT	4
14840 /14739	POS	AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	4
15830 /15675	DEF	AT	DEF	AT	5
16654 /16453	DEF	AT last sample examined	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 335 Date of Summary: 01-FEB-2005 First Sample Examined: 13310 Source of Paleo: OPERATOR Lease Number: G23760 **Borehole MD:** 16655 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 16453 **API Well Number:** 177014036700 Drilling Operator: GRYPHON EXPLORATION COMPANY **Rkb Elevation:** 101 Paleo Report Num: 2 of 2 Sample Range: 13310 - 16654 Water Depth: 73 Public Info Code: Y 25-APR-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
13310 /13298	DEF AT first sample examined	DEF AT
13311 /13299	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13312 /13300	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14600 /14514	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16654 /16453	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 364 Date of Summary: 31-AUG-1999 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15083 **Borehole MD:** 11907 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 10726 **API Well Number:** 177014029400 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 98 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 80 Public Info Code: Y 25-JAN-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7000 / 6955	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7700 / 7535	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (a	acme) DEF AT
9000 / 8471	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10420 / 9564	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 401 Date of Summary: 04-JAN-2001 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G07619 **Borehole MD:** 4900 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 4900 **API Well Number: 177014028800 Drilling Operator:** NEWFIELD EXPLORATION COMPANY **Rkb Elevation:** 90 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 94 Public Info Code: Y 07-APR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
2131 / 2131	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3278 / 3278	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo ID:

001

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 431 Date of Summary: 12-APR-2000 First Sample Examined: 0 Lease Number: G10584 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 9150 Well Name: 002 Paleo Done By: OPERATOR **Borehole TVD:** 9031 **API Well Number: 177014029800** Drilling Operator: EL PASO PRODUCTION GOM INC **Rkb Elevation:** 91 Water Depth: 102

Sample Range: Paleo Report Num: 1 of 1 0 - 0

Public Info Code: Y 15-NOV-2007 **Ecozone Eq MMS:**

Remark:

MD/TVD **Paleo Top Description Ecozone** DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT 8861 / 8766

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 459 Date of Summary: 07-JUL-2001 First Sample Examined: 0

Lease Number: G21056 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Borehole MD: 9327

Well Name: 003 Paleo Done By: OPERATOR Borehole TVD: 9036

API Well Number: 177024129000 Drilling Operator: MARINER GULF OF MEXICO LLC Rkb Elevation: 83

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:135Public Info Code:Y 27-NOV-2005Ecozone Eq MMS:Paleo ID:001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

9119 / 8841 DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 459 Date of Summary: 10-MAY-2001 First Sample Examined: 0

Lease Number:G21056Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:11246

Well Name:A001Paleo Done By: OPERATORBorehole TVD:9820I Well Number:177024128600Drilling Operator: MARINER GULF OF MEXICO LLCRkb Elevation:83

API Well Number: 177024128600 Drilling Operator: MARINER GULF OF MEXICO LLC Rkb Elevation: 83

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 135

Public Info Code: Y 27-NOV-2005 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

10930 / 9555 DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 459 Date of Summary: 07-JUN-2001 First Sample Examined: 0

Lease Number: G21056 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:**

Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 9745

API Well Number: 177024128900 Drilling Operator: MARINER GULF OF MEXICO LLC **Rkb Elevation:** 83

Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 135 Public Info Code: Y 27-NOV-2005 **Ecozone Eq MMS:** Paleo ID:

Remark: In=sand

MD/TVD **Paleo Top Description Ecozone**

DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT 8604 / 8559

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 461	Date of Summary: 09-JUN-1999	First Sample Examined:	0
Lease Number: G14336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	11940
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8115
API Well Number: 177024114500	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation:	95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	130
Public Info Code: Y 10-MAR-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
6939 / 4955	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8565 / 5901	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11440 / 7773	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 461	Date of Summary: 27-JUL-1997	First Sample Examined:	0
Lease Number: G14336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	10704
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD:	8496
API Well Number: 177024114800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation:	95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	130
Public Info Code: Y 27-MAR-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5950 / 4978	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9706 / 7764	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 479	Date of Summary: 21-AUG-1997	First Sample Examined:	0
Lease Number: G14336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	12754
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD:	9914
API Well Number: 177024116800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation:	98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	130
Public Info Code: Y 15-AUG-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
6300 / 4347	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11180 / 8454	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 494 Date of Summary: 09-AUG-2001 First Sample Examined: 0 Lease Number: G15097 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 8846 Paleo Done By: OPERATOR Well Name: AJ001 **Borehole TVD:** 7527 **API Well Number: 177024127300** Drilling Operator: MATRIX OIL & GAS INC **Rkb Elevation:** 88 Sample Range: 0 - 0 Paleo Report Num: 1 of 1 Water Depth: 145

Public Info Code: Y 15-OCT-2006 Ecozone Eq MMS:

Remark:

MD/TVD Paleo Top Description Ecozone

6903 / 5917 POS IN Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 498 Date of Summary: 26-SEP-1995 First Sample Examined: 1275 Source of Paleo: OPERATOR Lease Number: G03520 **Borehole MD:** 7010 Paleo Done By: PALEO-DATA, INC. Well Name: B003 **Borehole TVD:** 6555 **API Well Number:** 177024109000 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 1 of 2 **Sample Range:** 1275 - 7010 Water Depth: 160 Public Info Code: Y 19-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Original hole report

MD/TVD	Paleo Top Des	cription		Ecozone
1275 / 1275	DEF AT first sample ex	amined	DEF	AT 2
1480 / 1480	DEF AT Middle Pleisto	ene (Ionian) Trimosina "A"	DEF	AT 2
3820 / 3818	DEF AT Lower Pleisto	ene (Calabrian) Angulogerina "B"	DEF	AT 2
4840 / 4764	DEF AT Upper Pliocen	(Gelasian) Lenticulina 1	DEF	AT 2
4870 / 4789	DEF AT		POS	AT 3
5950 / 5717	POS AT Upper Pliocen	e (Piacenzian) Globoquadrina altispira	POS	AT 3
6430 / 6102	POS AT Lower Pliocen	e (Zanclian) Globorotalia margaritae	POS	AT 3
7010 / 6554	DEF AT last sample ex	amined	POS	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 498 Date of Summary: 26-SEP-1995 First Sample Examined: 5800 Source of Paleo: OPERATOR Lease Number: G03520 **Borehole MD:** 7010 Paleo Done By: PALEO-DATA, INC. Well Name: B003 **Borehole TVD:** 6555 **API Well Number: 177024109000 Drilling Operator: HESS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 2 of 2 **Sample Range:** 5800 - 10026 Water Depth: 160 Public Info Code: Y 19-SEP-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Sidetrack report

MD/TVD		Paleo Top Description		Eco	ozone
5800 / 5590	DEF	AT first sample examined	POS	AT	3
6070 / 5814	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	AT	3
8140 /	DEF	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	AT	3
10026 /	DEF	AT last sample examined	POS	AT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 498 Date of Summary: 04-DEC-1995 1337 Source of Paleo: OPERATOR 12124 Lease Number: G03520 **Borehole MD:** Well Name: B004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9838 **API Well Number:** 177024109400 **Drilling Operator: HESS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 1 of 2 **Sample Range:** 1337 - 4400 Water Depth: 159 Public Info Code: Y 26-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
1337 / 1337	DEF AT first sample examined	DEF AT 2
1500 / 1500	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2820 / 2671	DEF AT	DEF AT 3
2850 / 2692	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4400 / 3789	DEF AT last sample examined	DEF AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 498 Date of Summary: 04-DEC-1995 First Sample Examined: 3494 Lease Number: G03520 Source of Paleo: OPERATOR **Borehole MD:** 12124 Well Name: B004 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 9838 **API Well Number: 177024109400 Drilling Operator: HESS CORPORATION Rkb Elevation:** 101 Paleo Report Num: 2 of 2 **Sample Range:** 3494 - 12124 Water Depth: 159 Public Info Code: Y 26-DEC-2005 Ecozone Eq MMS: Y Paleo ID: 003

Remark: Redrill 2 report

MD/TVD	Paleo Top Description		Ecozone
3494 / 3127	DEF AT first sample examined	DEF	AT 3
5890 / 4939	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF A	AT 3
10330 / 8460	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	AT 3
11050 / 9026	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF A	AT 3
12124 / 9838	DEF AT last sample examined	DEF	AT 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 499	Date of Summary: 24-OCT-2000	First Sample Examined:	0
Lease Number: G15104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	9574
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	7954
API Well Number: 177024110900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation:	90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	164
Public Info Code: Y 11-APR-2006	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4210 / 4007	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6280 / 5654	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8830 / 7515	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 507 Date of Summary: 26-NOV-1997 First Sample Examined: 0

Lease Number:G02549Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:13930

Well Name: B004 Paleo Done By: OPERATOR Borehole TVD: 10927

API Well Number: 177024108202 Drilling Operator: HUNT PETROLEUM (AEC) INC Rkb Elevation: 104

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:148Public Info Code:Y 23-OCT-2007Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD Paleo Top Description Ecozone

11150 / 9182 DEF AT Upper Pliocene (Gelasian) Lenticulina 1 DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 513 Date of Summary: 20-FEB-2001 First Sample Examined: 0 Lease Number: G16202 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 15691 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 13805 **API Well Number:** 177024126901 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 100 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 172 Public Info Code: Y 29-MAR-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD/TVD		Paleo Top Description		Ecozone	
4850 / 4850	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	
8440 / 8411	DEF	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	
8630 / 8584	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	
9350 / 9192	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	
9740 / 9512	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT	
10635 /10242	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	
12175 /11369	DEF	IN Upper Miocene (Messinian) Textularia "X"	DEF	AT	
12920 /11864	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	
13980 /12579	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	
14580 /12993	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	
15120 /13382	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 515 First Sample Examined: 3460 Date of Summary: 01-MAR-1999 Lease Number: G15102 Source of Paleo: OPERATOR **Borehole MD:** 13159 Well Name: A001 Paleo Done By: MICRO-STRAT **Borehole TVD:** 12795 **API Well Number: 177024123400** Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 **Sample Range:** 3460 - 13160 Water Depth: 172 Public Info Code: Y 18-AUG-2005 Ecozone Eq MMS: N Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, paleobathymetry generalized - from 3460 to 10169, depositional environments range from inner to outer neritic, from 10170 to 13160, paleobathymetry ranges from upper to middle bathyal, foram and nannofossil species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
3460 / 3460	DEF	AT first sample examined	POS A	AT 3
4000 / 4000	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS A	AT 3
4240 / 4240	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	POS A	AT 3
4630 / 4630	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS A	AT 3
5320 / 5320	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	POS A	AT 3
5890 / 5890	DEF	IN Upper Pliocene (Gelasian) Cristellaria "S"	POS A	AT 3
8469 / 8469	POS	AT Upper Pliocene (Gelasian) Discoaster surculus	POS A	AT 3
8470 / 8470	DEF	IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS A	AT 3
8800 / 8800	DEF	AT local marker foram decrease	POS A	AT 3
9990 / 9990	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	POS A	AT 3
9991 / 9991	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS A	AT 3
10170 /10170	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF A	AT 4
10380 /10380	DEF	AT Lower Pliocene (Zanclian) Discoaster intercalaris	DEF A	AT 4
11190 /11187	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF A	AT 4
11280 /11275	DEF	AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF A	AT 4
12150 /12082	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF A	AT 4
12210 /12133	POS	AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF A	AT 4
13130 /12778	DEF	AT last sample examined	DEF A	AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 515 Date of Summary: 03-OCT-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15102 **Borehole MD:** 14295 Well Name: A003 Paleo Done By: OPERATOR **Borehole TVD:** 12852 **API Well Number:** 177024126500 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 91 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 172 Public Info Code: Y 18-AUG-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7440 / 7440	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10035 /10029	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12155 /11607	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13100 /12162	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 515 Date of Summary: 25-JAN-2000 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G15103 **Borehole MD:** 15610 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 14929 **API Well Number:** 177024124100 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 91 Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 174 Public Info Code: Y 27-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
11158 /10700	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12120 /11489	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12790 /12112	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13270 /12590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15010 /14329	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15520 /14839	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 515 Date of Summary: 09-JAN-2001 First Sample Examined: 5320 Source of Paleo: OPERATOR Lease Number: G15103 **Borehole MD:** 13434 Well Name: A004 Paleo Done By: OPERATOR **Borehole TVD:** 12567 **API Well Number:** 177024127400 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 144 Paleo Report Num: 1 of 2 **Sample Range:** 5320 - 13434 Water Depth: 172 Public Info Code: Y 27-JAN-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
5320 / 5318	DEF	AT first sample examined	DEF A	AT 2
5340 / 5338	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF A	AT 2
5880 / 5878	DEF	AT	DEF A	AT 3
7500 / 7498	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF A	AT 3
10170 / 9942	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF A	AT 3
10200 / 9965	DEF	AT	DEF A	AT 4
10710 /10369	DEF	AT	DEF A	AT 5
12570 /11839	DEF	AT	DEF A	AT 6
12960 /12155	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF A	AT 6
13290 /12440	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF A	AT 6
13434 /12567	DEF	AT last sample examined	DEF /	AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 515 Date of Summary: 09-JAN-2001 First Sample Examined: 5320 Lease Number: G15103 Source of Paleo: OPERATOR **Borehole MD:** 13434 Well Name: A004 Paleo Done By: OPERATOR **Borehole TVD:** 12567 **API Well Number:** 177024127400 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 144 Paleo Report Num: 2 of 2 **Sample Range:** 5320 - 13434 Water Depth: 172 Public Info Code: Y 27-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	<u>Ecozone</u>
5320 / 5318	DEF AT first sample examined	DEF AT
5880 / 5878	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10170 / 9942	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10229 / 9988	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10230 / 9989	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11490 /10989	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13230 /12387	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13290 /12440	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13434 /12567	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 516 Date of Summary: 28-MAR-2000 0 Lease Number: G15103 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) **Borehole MD:** 15148 Well Name: 003 Paleo Done By: OPERATOR **Borehole TVD:** 14956 **API Well Number:** 177024125200 Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN1 **Rkb Elevation:** 91 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 171 Public Info Code: Y 27-JAN-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD		Paleo Top Description		Ecozone
7180 / 7179	DEF	IN Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
11618 /11617	DEF	IN Lower Pliocene (Zanclian) Buliminella 1	DEF	AT
12218 /12212	DEF	IN Upper Miocene (Messinian) Textularia "X"	DEF	AT
12826 /12789	DEF	IN Upper Miocene (Tortonian) Robulus "E"	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 522 Date of Summary: 26-APR-1995 First Sample Examined: 1050 Source of Paleo: OPERATOR Lease Number: G14340 **Borehole MD:** 8920 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 4198 **API Well Number:** 177024108500 **Drilling Operator: SENECA RESOURCES CORPORATION Rkb Elevation:** 100 Paleo Report Num: 1 of 1 **Sample Range:** 1050 - 8030 Water Depth: 177 Public Info Code: Y 23-MAY-2005 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
1050 / 1050	DEF	AT first sample examined	DEF	AT	2
1649 / 1649	DEF	AT local marker planktic foram increase	DEF	AT	2
1650 / 1650	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	ΑT	2
2610 / 2606	DEF	AT local marker benthic foram increase	DEF	ΑT	3
2940 / 2930	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	3
3540 / 3488	DEF	AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF	ΑT	3
3930 / 3800	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	ΑT	3
3990 / 3844	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	ΑT	3
4230 / 4015	DEF	AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	ΑT	3
4860 / 4427	DEF	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	ΑT	3
6360 / 5423	DEF	AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	ΑT	3
7440 / 6136	POS	AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	ΑT	3
8030 / 6581	DEF	AT last sample examined	DEF	ΑT	3

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8688

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 524 Date of Summary: 26-AUG-1996 First Sample Examined: 0

Lease Number:G14341Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:

Well Name: A001 Paleo Done By: OPERATOR Borehole TVD:

API Well Number: 177024108800 Drilling Operator: UMC PETROLEUM CORPORATION Rkb Elevation: 84

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 185

Public Info Code: Y21-AUG-2005Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD Paleo Top Description Ecozone

6500 / 6363 DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" DEF AT

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001

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 528 Date of Summary: 23-DEC-1998 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G16202 **Borehole MD:** 11249 Well Name: A001 Paleo Done By: OPERATOR **Borehole TVD:** 10424 **API Well Number: 177024116501 Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 99 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 167

Public Info Code: Y 29-MAR-2006

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
7495 / 7261	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10142 / 9508	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Ecozone Eq MMS:

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Borehole MD:

Borehole TVD:

Water Depth:

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10315

167

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 528 Date of Summary: 08-DEC-1998 First Sample Examined:

Lease Number: G16202 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A002 Paleo Done By: OPERATOR

API Well Number: 177024119000 Drilling Operator: DEVON LOUISIANA CORPORATION Rkb Elevation: 105

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 29-MAR-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

10142 / 9806 DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT

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Borehole MD:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 528 Date of Summary: 31-JUL-1998 First Sample Examined:

Lease Number: G16202 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A003 Paleo Done By: OPERATOR Borehole TVD: 10110

API Well Number: 177024119901 Drilling Operator: DEVON LOUISIANA CORPORATION Rkb Elevation: 105

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 167

Public Info Code: Y 29-MAR-2006 Ecozone Eq MMS: Paleo ID: 001

Remark: In=sand

MD/TVD Paleo Top Description Ecozone

14558 / 9985 POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 540	Date of Summary: 30-APR-1998	First Sample Examined:	0
Lease Number: G15110	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	7494
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	6301
API Well Number: 177024115900	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation:	87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	185
Public Info Code: Y 15-JUN-2007	Ecozone Eq MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4520 / 4022	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4840 / 4270	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6815 / 5775	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 540 Lease Number: G15110

Well Name: A002 **API Well Number: 177024116700** Paleo Report Num: 1 of 1

Public Info Code: Y 05-JUL-2007

Date of Summary: 07-MAY-1998

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Paleo Done By: OPERATOR

Drilling Operator: EQUITABLE PRODUCTION COMPANY

Sample Range: 0 - 0

Ecozone Eq MMS:

First Sample Examined:

0 **Borehole MD:** 7400

Borehole TVD: 6272

Rkb Elevation: 87 Water Depth: 185

Paleo ID:

001

Remark:

MD/TVD

Paleo Top Description

Ecozone

4590 / 4085

DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"

DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 580 Date of Summary: 01-SEP-1995 First Sample Examined: 10480 Lease Number: G12803 Source of Paleo: OPERATOR **Borehole MD:** 18018 Paleo Done By: EXCALIBER INTERPRETATIONS CO. Well Name: A002 **Borehole TVD:** 17623 **API Well Number:** 177024108600 **Drilling Operator: PENNZENERGY COMPANY Rkb Elevation:** 43 Paleo Report Num: 1 of 2 **Sample Range:** 10480 - 18010 Water Depth: 240 Public Info Code: Y 28-SEP-2005 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
10480 /10480	DEF	AT first sample examined	DEF	AT
10810 /10810	DEF	IN Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT
10900 /10900	DEF	AT local marker floral decrease	DEF	AT
11109 /11108	DEF	AT local marker floral increase	DEF	AT
11110 /11109	POS	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT
11290 /11289	DEF	AT local marker floral decrease	DEF	AT
12070 /12069	DEF	AT local marker floral increase	DEF	AT
12100 /12099	DEF	AT local marker floral decrease	DEF	AT
12999 /12970	POS	AT reworked material	DEF	AT
13000 /12970	POS	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
13270 /13212	POS	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
18010 /17615	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WC 580 Date of Summary: 13-SEP-1995 First Sample Examined: 3010 Source of Paleo: OPERATOR Lease Number: G12803 **Borehole MD:** 18018 Well Name: A002 Paleo Done By: OPERATOR **Borehole TVD:** 17623 **API Well Number: 177024108600 Drilling Operator: PENNZENERGY COMPANY Rkb Elevation:** 43 Paleo Report Num: 2 of 2 **Sample Range:** 3010 - 18018 Water Depth: 240 Public Info Code: Y 28-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 001

Remark: 5560=Glomospira charoides

MD/TVD		Paleo Top Description		E	cozone
3010 / 3010	DEF	AT first sample examined	DEF	AT	3
3011 / 3011	DEF	IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
3460 / 3460	DEF	AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF	AT	3
4150 / 4150	POS	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
5200 / 5200	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	3
5560 / 5560	DEF	AT local marker (general)	DEF	AT	4
5830 / 5830	POS	AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	4
6610 / 6610	DEF	AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	AT	4
7359 / 7359	POS	AT condensed section	DEF	AT	4
7360 / 7360	DEF	AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF	AT	4
7390 / 7390	DEF	AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF	AT	4
7510 / 7510	DEF	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT	4
7590 / 7590	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	4
8290 / 8290	DEF	AT	POS	AT	3
8710 / 8710	DEF	AT	POS	AT	4
10780 /10780	DEF	AT Arenaceous fauna (local marker)	DEF	AT	5
10810 /10810	DEF	AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	AT	4
11110 /11109	DEF	AT local marker foram increase	DEF	AT	4
14020 /13831	DEF	AT local marker foram increase	DEF	AT	4
14260 /14009	DEF	AT local marker foram increase	POS	AT	4
14890 /14554	DEF	AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	AT	5
15220 /14879	DEF	AT local marker foram increase	DEF	ΑT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 580 Date of Summary: 13-SEP-1995 3010 Source of Paleo: OPERATOR Lease Number: G12803 **Borehole MD:** 18018 Paleo Done By: OPERATOR Well Name: A002 **Borehole TVD:** 17623 **API Well Number:** 177024108600 **Drilling Operator: PENNZENERGY COMPANY Rkb Elevation:** 43 Paleo Report Num: 2 of 2 **Sample Range:** 3010 - 18018 Water Depth: 240 Public Info Code: Y 28-SEP-2005 **Ecozone Eq MMS:** Paleo ID: 001

MD/TVD	Paleo Top Description	<u>Ecozone</u>
16360 /15994	DEF AT local marker foram increase	POS AT 5
16540 /16170	POS AT reworked material	POS AT 5
17950 /17556	DEF AT	POS AT 4
18018 /17623	DEF AT last sample examined	POS AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 600 Date of Summary: 27-DEC-1996 First Sample Examined:

Lease Number:G12807Source of Paleo:COMPLETION REPORT (WELL SUMMARY)Borehole MD:

Well Name: 002 Paleo Done By: OPERATOR Borehole TVD: 13470

API Well Number: 177024113000 Drilling Operator: SAMEDAN OIL CORPORATION Rkb Elevation: 100

Paleo Report Num:1 of 1Sample Range:0 - 0Water Depth:279Public Info Code:Y 19-MAR-2006Ecozone Eq MMS:Paleo ID:001

Remark:

MD/TVD Paleo Top Description Ecozone

10540 /10399 DEF AT Upper Pliocene (Gelasian) Lenticulina 1 DEF AT

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First Sample Examined:

Borehole MD:

Borehole TVD:

Rkb Elevation:

Water Depth:

Paleo ID:

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13733

12694

116

273

001

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 600 Date of Summary: 15-SEP-2000

Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name: A003 Paleo Done By: OPERATOR

API Well Number: 177024126300 Drilling Operator: SAMEDAN OIL CORPORATION

Paleo Report Num: 1 of 1 Sample Range: 0 - 0

Public Info Code: Y 19-MAR-2006 Ecozone Eq MMS:

Remark: In=sand

Lease Number: G12807

MD/TVD Paleo Top Description Ecozone

13187 /12216 DEF IN Upper Pliocene (Gelasian) Lenticulina 1 DEF AT

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Borehole MD:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WC 610 Date of Summary: 24-JAN-1997 First Sample Examined: 0

Lease Number: G16216 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)

Well Name:001Paleo Done By: OPERATORBorehole TVD:11644

API Well Number: 177024113700 Drilling Operator: CAIRN ENERGY USA INC Rkb Elevation: 100

Paleo Report Num: 1 of 1 Sample Range: 0 - 0 Water Depth: 278

Public Info Code: Y 25-JAN-2007 Ecozone Eq MMS: Paleo ID: 001

Remark:

MD/TVD	Paleo Top Description	Ecozone
7080 / 7079	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8700 / 8698	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WC 638 Date of Summary: 17-SEP-1997 3530 Source of Paleo: OPERATOR Lease Number: G15124 **Borehole MD:** 11000 Well Name: 001 Paleo Done By: PALEO-DATA, INC. **Borehole TVD:** 10999 **API Well Number:** 177024116900 **Drilling Operator: KERR-MCGEE CORPORATION Rkb Elevation:** 85 Paleo Report Num: 1 of 1 **Sample Range:** 3530 - 11000 Water Depth: 373 Public Info Code: Y 27-SEP-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
3530 /	DEF	AT first sample examined	POS	AT	3
3531 /	DEF	IN cement	POS	AT	3
3590 /	DEF	AT	DEF	AT	3
4070 /	DEF	AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	3
4340 /	DEF	AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
9110 /	DEF	AT local marker deep water fauna	DEF	AT	4
9230 /	DEF	AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	4
9530 /	POS	AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
9830 /	POS	AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	4
11000 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WD 65	Date of Summary: 07-MAR-1997	First Sample Examined:	0
Lease Number: G15363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	3105
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	3105
API Well Number: 177194064100	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation:	100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	140
Public Info Code: Y 10-MAR-2007	Ecozone Eg MMS:	Paleo ID:	001

Remark:

MD/TVD	Paleo Top Description	Ecozone
2030 / 2030	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2648 / 2648	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
2891 / 2891	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WD 109	Date of Summary: 23-OCT-1997	First Sample Examined:	10941
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD:	12886
Well Name: A041	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD:	12528
API Well Number: 177194061700	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation:	130
Paleo Report Num: 1 of 1	Sample Range: 10941 - 12767	Water Depth:	184
Public Info Code: Y 28-JUL-2006	Ecozone Ea MMS: Y	Paleo ID:	002

Remark:

MD/TVD		Paleo Top Description		Ecozone
10941 /10641	DEF	AT first sample examined	DEF	IN 1
10942 /10642	DEF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN 1
11604 /11274	POS	AT Upper Miocene (Messinian) Globorotalia juanai	DEF	IN 1
12194 /11849	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN 2
12767 /12412	DEF	AT last sample examined	DEF	IN 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 109 Date of Summary: 25-FEB-1997 First Sample Examined: 15440 Source of Paleo: OPERATOR Lease Number: G02937 **Borehole MD:** 17913 Well Name: A042 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 17613 **API Well Number:** 177194061800 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 130 Paleo Report Num: 1 of 2 **Sample Range:** 15440 - 17250 Water Depth: 184 Public Info Code: Y 08-NOV-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		<u> </u>	Ecozone
15440 /15144	DEF	AT first sample examined	POS	AT	2
15990 /15693	DEF	IN Upper Miocene (Tortonian) Textularia 6	DEF	AT	2
16410 /16113	DEF	AT	DEF	IN	2
16590 /16293	DEF	AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT	3
16710 /16413	DEF	AT	DEF	AT	2
16770 /16473	DEF	AT Eggerella sp. (local marker)	DEF	AT	2
17070 /16772	DEF	AT local marker benthic foram increase	DEF	AT	3
17250 /16952	DEF	AT last sample examined	DEF	ΑT	3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 109 Date of Summary: 05-MAR-1997 First Sample Examined: 15440 Source of Paleo: OPERATOR Lease Number: G02937 **Borehole MD:** 17913 Well Name: A042 Paleo Done By: OPERATOR **Borehole TVD:** 17613 **API Well Number:** 177194061800 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 130 Paleo Report Num: 2 of 2 **Sample Range:** 15440 - 17250 Water Depth: 184 Public Info Code: Y 08-NOV-2006 **Ecozone Eq MMS:** Paleo ID: 003

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
15440 /15144	DEF	AT first sample examined	DEF	AT
15441 /15145	POS	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
16680 /16383	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
17160 /16862	DEF	AT local marker floral increase	DEF	AT
17250 /16952	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 109 Date of Summary: 25-FEB-1997 First Sample Examined: 15440 Source of Paleo: OPERATOR Lease Number: G02937 **Borehole MD:** 17254 Well Name: A042 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 16806 **API Well Number:** 177194061801 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 130 Paleo Report Num: 1 of 2 **Sample Range:** 15440 - 17250 Water Depth: 184 Public Info Code: Y 27-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 002

Remark:

MD/TVD		Paleo Top Description		Ecozone
15440 /15144	DEF	AT first sample examined	DEF A	Т
15990 /15689	DEF	AT Upper Miocene (Messinian) Textularia tatumi	DEF A	T 2
16589 /16239	DEF	AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF A	Т 3
16590 /16240	DEF	AT Upper Miocene (Messinian) Bolivina denticulata	DEF A	Т 3
16710 /16347	DEF	AT	DEF A	T 2
16770 /16399	DEF	AT Eggerella sp. (local marker)	DEF A	Т 3
17070 /16655	DEF	AT Upper Miocene (Tortonian) Planulina renzi	DEF A	Т 3
17250 /16802	DEF	AT last sample examined	DEF A	Т 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 109 Date of Summary: 05-MAR-1997 First Sample Examined: 15440 Lease Number: G02937 Source of Paleo: OPERATOR **Borehole MD:** 17254 Well Name: A042 Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS **Borehole TVD:** 16806 **API Well Number:** 177194061801 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 130 Paleo Report Num: 2 of 2 **Sample Range:** 15440 - 17250 Water Depth: 184 Public Info Code: Y 27-MAR-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Calcareous nannofossil report

MD/TVD		Paleo Top Description		Ecozone
15440 /15144	DEF	AT first sample examined	DEF	AT
15441 /15145	POS	IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
16680 /16320	POS	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
17160 /16729	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT
17250 /16802	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 117 Date of Summary: 17-FEB-1997 First Sample Examined: 11000 Source of Paleo: OPERATOR Lease Number: G01101 **Borehole MD:** 15440 Paleo Done By: OPERATOR Well Name: D011 **Borehole TVD:** 14746 **API Well Number: 177204014100** Drilling Operator: CHEVRON USAINC **Rkb Elevation:** 106 Paleo Report Num: 1 of 1 **Sample Range:** 11000 - 13970 Water Depth: 206 Public Info Code: Y 29-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic foram markers noted

MD/TVD		Paleo Top Description		Ec	ozone
11000 /10985	DEF	AT first sample examined	DEF	AT	2
11001 /10986	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	2
11330 /11293	DEF	AT	DEF	AT	3
13280 /12973	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	3
13970 /13561	DEF	AT	DEF	AT	4
15440 /14746	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WD 122 Date of Summary: 24-NOV-1997 First Sample Examined: 0 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Lease Number: G13645 **Borehole MD:** 14314 Paleo Done By: OPERATOR Well Name: 002 **Borehole TVD:** 10623 **API Well Number:** 177204014301 Drilling Operator: VASTAR RESOURCES INC. **Rkb Elevation:** 101 0 - 0 Paleo Report Num: 1 of 1 Sample Range: Water Depth: 277 Public Info Code: Y 10-NOV-2007 **Ecozone Eq MMS:** Paleo ID: 001

Remark: In=sand

MD/TVD	Paleo Top Description	<u>Ecozone</u>
4619 / 4616	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11218 / 9039	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12650 / 9743	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Area Block: WD 122	Date of Summary: 28-OCT-1999	First Sample Examined:	0
Lease Number: G13645	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD:	8128
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD:	8027
API Well Number: 177204014200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth:	267
Public Info Code: Y 28-SEP-2007	Ecozone Ed MMS:	Paleo ID:	001

Remark:

	MD/TVD_		Paleo Top Description		Ecozone
4	400 / 4399	DEF	AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT
5	918 / 5869	DEF	AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT
6	860 / 6781	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT
8	085 / 7985	DEF	AT salt	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 70 Date of Summary: 31-JAN-2001 First Sample Examined: 18990 Lease Number: G16949 Source of Paleo: OPERATOR **Borehole MD:** 28000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 27902 **API Well Number:** 608124000000 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 76 Paleo Report Num: 1 of 2 **Sample Range:** 18990 - 28000 Water Depth: 5505 Public Info Code: Y 10-AUG-2005 Paleo ID: **Ecozone Eq MMS:** 003

Remark: Catahoula Prospect, calcareous nannofossil report, 19470=rare mixed nannos

MD/TVD		Paleo Top Description		Ecozone
18990 /	DEF	AT first sample examined	DEF	AT
18991 /	POS	AT Pliocene	DEF	AT
18992 /	POS	AT Miocene	DEF	AT
19110 /	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF	AT
19470 /	POS	AT out-of-place section	DEF	AT
19530 /	POS	AT reworked material	DEF	AT
19590 /	POS	AT reworked material	DEF	AT
19890 /	POS	AT reworked material	DEF	AT
20130 /	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
20370 /	DEF	AT local marker floral decrease	DEF	AT
20970 /	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
21690 /	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
21810 /	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
22770 /	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
23880 /	POS	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
24509 /	POS	AT reworked material	DEF	AT
24510 /	POS	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT
25050 /	DEF	AT local marker floral increase	DEF	AT
25410 /	POS	AT local marker floral increase	DEF	AT
27060 /	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
27600 /	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
28000 /	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 70 First Sample Examined: 18960 Date of Summary: 12-MAR-2001 Lease Number: G16949 Source of Paleo: OPERATOR **Borehole MD:** 28000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 27902 **API Well Number:** 608124000000 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 76 Paleo Report Num: 2 of 2 Sample Range: 18960 - 28000 Water Depth: 5505 Public Info Code: Y 10-AUG-2005 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Catahoula Prospect, 18960=first sample below salt, contains mixed Pliocene and Miocene fauna, foram species abundance and diversity chart

available, see report for details

MD/TVD		Paleo Top Description		Ecozone	е
18960 /	DEF	AT first sample examined	DEF	IN 4	
18961 /	POS	AT Pliocene	DEF	IN 4	
18962 /	POS	AT Miocene	DEF	IN 4	
19020 /	DEF	AT local marker planktic foram increase	DEF	AT 4	
19050 /	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN 4	
19380 /	DEF	AT faunal change (no faunal increase)	DEF	AT 4	
20070 /	DEF	AT local marker planktic foram increase	DEF	AT 4	
20160 /	DEF	AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF	AT 4	
20340 /	DEF	AT local marker foram increase	DEF	AT 4	
20910 /	DEF	IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT 4	
21000 /	DEF	AT Upper Miocene (Messinian) Textularia "X"	DEF	IN 4	
21030 /	DEF	AT sand	DEF	AT 4	
21090 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT 4	
21179 /	DEF	AT pyrite	DEF	AT 4	
21180 /	DEF	AT local marker planktic foram increase	DEF	AT 4	
21300 /	DEF	AT cement	DEF	AT 4	
21540 /	DEF	AT local marker foram increase	DEF	AT 4	
21750 /	DEF	AT pyrite	DEF	AT 4	
21780 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT 4	
21809 /	DEF	AT pyrite	DEF	AT 4	
22110 /	DEF	AT local marker foram increase	DEF	AT 4	

MD / TVD

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Date of Summary: 12-MAR-2001 Area Block: WR 70 First Sample Examined: 18960 Lease Number: G16949 Source of Paleo: OPERATOR **Borehole MD:** 28000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 27902 **API Well Number:** 608124000000 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 76 Paleo Report Num: 2 of 2 Sample Range: 18960 - 28000 Water Depth: 5505 Public Info Code: Y 10-AUG-2005 Paleo ID: Ecozone Eq MMS: Y 002

MD/TVD_		Paleo Top Description		Ec	ozone
22170 /	DEF	AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN	4
22200 /	DEF	AT faunal change (no faunal increase)	DEF	AT	4
22230 /	DEF	AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
22470 /	DEF	AT pyrite	DEF	AT	4
22500 /	DEF	AT local marker foram increase	DEF	IN	4
22559 /	DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	4
22560 /	DEF	AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	4
22590 /	DEF	AT pyrite	DEF	AT	4
22620 /	DEF	AT Cyclammina sp. (local marker)	DEF	AT	4
23310 /	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
23340 /	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
23400 /	DEF	AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF	AT	4
23460 /	DEF	AT local marker benthic foram increase	DEF	AT	4
24038 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24090 /	DEF	AT drilling material	DEF	AT	4
24180 /	DEF	AT local marker planktic foram increase	DEF	AT	4
24330 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24360 /	DEF	AT local marker planktic foram increase	DEF	AT	4
24750 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24780 /	DEF	AT Cyclammina sp. (local marker)	DEF	AT	4
24870 /	DEF	AT local marker planktic foram increase	DEF	AT	4
24930 /	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	4
24960 /	DEF	AT pyrite	DEF	AT	4
25320 /	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	4

This report contains public paleo reports only for the time period stated

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 70 First Sample Examined: 18960 Date of Summary: 12-MAR-2001 Lease Number: G16949 Source of Paleo: OPERATOR **Borehole MD:** 28000 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 27902 **API Well Number:** 608124000000 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 76 Paleo Report Num: 2 of 2 Sample Range: 18960 - 28000 Water Depth: 5505 Public Info Code: Y 10-AUG-2005 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD		Paleo Top Description		Į	Ecozone
25470 /	DEF	AT faunal change (no faunal increase)	DEF	AT	4
26091 /	DEF	AT Bathysiphon fauna	DEF	AT	4
26640 /	POS	AT local marker foram increase	DEF	AT	4
27059 /	DEF	AT limestone	DEF	AT	4
27060 /	DEF	AT local marker (general)	DEF	AT	4
27090 /	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	4
27300 /	DEF	AT faunal change (no faunal increase)	DEF	AT	4
27660 /	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
27780 /	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
27810 /	DEF	AT dolomite	DEF	AT	4
27870 /	POS	AT local marker foram increase	DEF	AT	4
27899 /	POS	AT reworked material	DEF	AT	4
27900 /	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
28000 /	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-JUN-2002 First Sample Examined: 19100 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 27504 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 27476 **API Well Number:** 608124000900 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 19090 - 27504 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: 002 **Ecozone Eq MMS:**

Remark: Calcareous nannofossil report, 27100=Lower Miocene Reticulofenestra daviesii

MD/TVD		Paleo Top Description		Ecozone
19100 /19094	DEF	AT first sample examined	DEF	AT
19101 /19095	DEF	IN salt	DEF	AT
19130 /19123	DEF	AT out-of-place section	DEF	AT
19160 /19153	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
19330 /19323	DEF	AT reworked material	DEF	AT
19550 /19543	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
20680 /20672	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
21140 /21131	POS	AT local marker floral increase	DEF	AT
21910 /21901	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
21940 /21931	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
22210 /22201	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
22240 /22231	DEF	AT local marker floral increase	DEF	AT
22450 /22441	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
22900 /22891	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
22960 /22951	POS	IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
23530 /23521	DEF	AT reworked material	DEF	AT
23650 /23641	DEF	IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
23740 /23731	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
23920 /23911	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
24160 /24151	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
25420 /25402	DEF	AT local marker floral increase	DEF	AT
25480 /25461	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT

27504 /27477

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002

Paleo ID:

DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 31-JUL-2006

Area Block: WR 286 First Sample Examined: 19100 Date of Summary: 01-JUN-2002 Lease Number: G16971 Source of Paleo: OPERATOR **Borehole MD:** 27504 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 27476 **API Well Number:** 608124000900 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 19090 - 27504 Water Depth: 6654

MD/TVD Paleo Top Description **Ecozone** DEF AT local marker floral increase DEF AT 25990 /25968 26500 /26477 AT Middle Miocene (Langhian) Discoaster deflandrei (increase) DEF AT 26800 /26776 DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme) DEF AT 26830 /26806 DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta DEF AT 26980 /26956 DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri DEF AT POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus DEF AT 27100 /27075 AT Lower Miocene (Aquitanian) Sphenolithus dissimilis 27310 /27284 DEF DEF AT

Ecozone Eq MMS:

DEF AT last sample examined

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-JUN-2002 First Sample Examined: 19090 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 27504 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 27476 **API Well Number:** 608124000900 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 19090 - 27504 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: 003 Ecozone Eq MMS: Y

Remark: 26530=Lower Miocene Globigerinoides diminutus

MD/TVD		Paleo Top Description		Ī	Ecozone
19090 /19084	DEF	AT first sample examined	DEF	AT	
19150 /19143	DEF	IN local marker foram increase	DEF	AT	
19300 /19293	DEF	AT	DEF	AT	4
19810 /19802	DEF	AT	DEF	IN	4
19840 /19832	DEF	AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	IN	4
19960 /19952	DEF	AT local marker foram decrease	DEF	AT	4
20140 /20132	POS	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	4
21200 /21191	DEF	AT local marker foram increase	DEF	AT	4
21940 /21931	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
22240 /22231	DEF	AT	DEF	ΑT	4
22360 /22351	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
22540 /22531	DEF	AT	DEF	IN	4
22660 /22651	DEF	AT	DEF	AT	4
22690 /22681	POS	IN Upper Miocene (Tortonian) Uvigerina 3	DEF	ΑT	4
22990 /22981	DEF	AT Arenaceous fauna (local marker)	DEF	ΑT	4
23260 /23251	DEF	AT Bathysiphon fauna	DEF	ΑT	4
23709 /23700	POS	AT unconformity	DEF	IN	4
23710 /23701	DEF	IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	4
23890 /23881	DEF	AT local marker planktic foram increase	DEF	IN	4
23950 /23941	DEF	AT	DEF	AT	5
24010 /24001	DEF	AT	DEF	IN	4
24430 /24420	DEF	AT	DEF	ΑT	4

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003

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WR 286 Date of Summary: 01-JUN-2002 19090 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 27504 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 27476 **API Well Number:** 608124000900 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 19090 - 27504 Water Depth: 6654

Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description			<u>Ecozone</u>
24610 /24599	POS	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	4
24848 /24835	POS	AT condensed section	DEF	AT	4
24849 /24836	POS	AT unconformity	DEF	AT	4
24850 /24837	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
25090 /25075	POS	AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	4
25150 /25134	POS	AT local marker foram increase	DEF	AT	4
25330 /25313	DEF	AT limestone	DEF	AT	4
25930 /25908	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	4
26530 /26507	DEF	AT local marker planktic foram increase	DEF	AT	4
27010 /26985	DEF	AT local marker planktic foram increase	DEF	AT	4
27250 /27224	DEF	AT Upper Oligocene (Chattian) Globigerina sellii	DEF	IN	4
27310 /27284	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	4
27340 /27314	DEF	AT sample gap top	POS	IN	4
27414 /27387	DEF	AT sample gap bottom	DEF	AT	4
27504 /27477	DEF	AT last sample examined	DEF	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-AUG-2002 First Sample Examined: 19520 Source of Paleo: OPERATOR 24676 Lease Number: G16971 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 24659 **API Well Number:** 608124000901 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 19520 - 24676 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 001

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecc	ozone
19520 /19505	DEF	AT first sample examined	DEF	AT	4
19521 /19506	POS	IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
19580 /19565	DEF	IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	AT	4
19760 /19745	DEF	AT local marker foram decrease	DEF	AT	4
20120 /20105	DEF	AT	DEF	IN	4
20570 /20555	DEF	AT	DEF	AT	4
20630 /20615	POS	AT limestone	DEF	AT	4
21440 /21424	DEF	AT	DEF	AT	4
21500 /21484	DEF	AT Bathysiphon fauna	DEF	AT	4
21920 /21904	DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
22100 /22084	DEF	AT	DEF	AT	4
22220 /22204	POS	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT	4
22580 /22564	DEF	AT Upper Miocene (Tortonian) Cibicides inflata	DEF	AT	4
22880 /22864	POS	AT local marker planktic foram increase	DEF	AT	4
23178 /23161	DEF	AT pyrite	DEF	AT	4
23179 /23162	DEF	AT Bathysiphon fauna	DEF	AT	4
23180 /23163	DEF	AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF	AT	4
23540 /23523	DEF	AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF	AT	4
23719 /23702	DEF	AT condensed section	DEF	IN	5
23720 /23703	POS	IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	IN	5
23780 /23763	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	5
23840 /23823	DEF	AT Middle Miocene (Serravallian) Cibicides barnetti	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: 19520 Area Block: WR 286 Date of Summary: 01-AUG-2002 Source of Paleo: OPERATOR 24676 Lease Number: G16971 **Borehole MD:** Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 24659 **API Well Number:** 608124000901 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 Sample Range: 19520 - 24676 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD	Paleo Top Description		Ecozone
23970 /23953	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF I	N 5
24200 /24183	DEF AT local marker foram decrease	DEF I	N 5
24230 /24213	DEF AT	DEF I	N 4
24290 /24273	DEF AT Bathysiphon fauna	DEF I	N 4
24350 /24333	DEF AT	DEF A	AT 4
24670 /24653	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF I	N 4
24676 /24659	DEF AT last sample examined	DEF I	N 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-SEP-2002 First Sample Examined: 18200 Lease Number: G16971 Source of Paleo: OPERATOR **Borehole MD:** 24676 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 24659 **API Well Number:** 608124000901 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 18200 - 24676 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD	Paleo Top Description	Ecozone
18200 /18187	DEF AT first sample examined	DEF AT
18201 /18188	DEF IN salt	DEF AT
19520 /19505	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19790 /19775	DEF AT reworked material	DEF AT
19820 /19805	DEF AT reworked material	DEF AT
20150 /20135	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
20360 /20345	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20720 /20705	DEF AT local marker floral increase	DEF AT
20960 /20945	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21170 /21154	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21740 /21724	DEF AT reworked material	DEF AT
21920 /21904	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22130 /22114	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22160 /22144	DEF AT local marker floral increase	DEF AT
22310 /22294	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
22400 /22384	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
22460 /22444	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22970 /22953	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23060 /23043	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23120 /23103	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23720 /23703	DEF AT local marker floral increase	DEF AT
23780 /23763	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-SEP-2002 First Sample Examined: 18200 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 24676 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 24659 **API Well Number:** 608124000901 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 18200 - 24676 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
23940 /23923	DEF AT local marker floral increase	DEF AT
24170 /24153	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24650 /24633	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24676 /24659	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-SEP-2002 First Sample Examined: 24410 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 29452 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 29434 **API Well Number:** 608124000902 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 24410 - 29452 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

Remark:

MD/TVD		Paleo Top Description		E	cozone
24410 /24393	DEF	AT first sample examined	DEF	AT	4
24411 /24394	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	4
24530 /24513	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	4
24770 /24753	DEF	AT Bathysiphon fauna	DEF	AT	4
25010 /24992	DEF	AT local marker planktic foram increase	DEF	AT	4
25759 /25741	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
25760 /25742	POS	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	4
26000 /25982	DEF	AT local marker planktic foram increase	DEF	AT	4
26120 /26102	DEF	IN Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT	4
27169 /27151	POS	AT condensed section	DEF	IN	4
27170 /27152	DEF	AT Middle Miocene (Langhian) Cibicides 38	DEF	IN	4
27290 /27272	DEF	AT	DEF	AT	4
27540 /27522	DEF	AT local marker planktic foram increase	DEF	IN	4
27620 /27602	POS	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	4
27660 /27642	DEF	AT	DEF	AT	4
27939 /27921	DEF	AT local marker planktic foram increase	DEF	AT	4
27940 /27922	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	4
28120 /28102	DEF	AT local marker planktic foram increase	DEF	AT	4
28300 /28282	DEF	AT local marker planktic foram increase	DEF	AT	4
28340 /28322	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
28360 /28342	DEF	AT local marker foram decrease	DEF	AT	4
28580 /28562	DEF	AT	DEF	AT	0

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> First Sample Examined: Area Block: WR 286 Date of Summary: 01-SEP-2002 24410 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 29452 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 29434 **API Well Number:** 608124000902 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 1 of 2 **Sample Range:** 24410 - 29452 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD		Paleo Top Description		Ecozone
28660 /28642	DEF	AT	DEF AT	- 4
29239 /29220	DEF	AT local marker foram increase	DEF IN	4
29240 /29221	POS	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN	4
29420 /29401	DEF	AT local marker planktic foram increase	DEF IN	4
29421 /29402	POS	AT Oligocene	DEF IN	4
29440 /29421	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN	4
29452 /29433	DEF	AT last sample examined	DEF IN	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-SEP-2002 First Sample Examined: 24680 Lease Number: G16971 Source of Paleo: OPERATOR **Borehole MD:** 29452 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 29434 **API Well Number:** 608124000902 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 Sample Range: 24680 - 29452 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Calcareous nannofossil report, 29420=Upper Oligocene Ericsonia obruta, nannospecies abundance and diversity chart available, see report for

details

MD/TVD		Paleo Top Description		Ecozone
24680 /24663	DEF	AT first sample examined	DEF	AT
25100 /25082	DEF	AT reworked material	DEF	AT
25130 /25112	DEF	IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
25400 /25382	DEF	AT local marker floral increase	DEF	AT
25970 /25952	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
26210 /26192	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT
26540 /26522	DEF	AT local marker floral increase	DEF	AT
26870 /26852	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
26930 /26912	DEF	AT Middle Miocene (Langhian) Discoaster calculosus	DEF	AT
27020 /27002	DEF	IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT
27050 /27032	DEF	AT local marker floral increase	DEF	AT
27350 /27332	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT
27540 /27522	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
27720 /27702	POS	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
27980 /27962	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
28300 /28282	DEF	AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF	AT
28879 /28860	DEF	AT condensed section	DEF	AT
28880 /28861	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT
28920 /28901	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengeri	DEF	AT
29000 /28981	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT
29040 /29021	DEF	IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 286 Date of Summary: 01-SEP-2002 First Sample Examined: 24680 Source of Paleo: OPERATOR Lease Number: G16971 **Borehole MD:** 29452 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 29434 **API Well Number:** 608124000902 **Drilling Operator: CONOCO INC Rkb Elevation:** 79 Paleo Report Num: 2 of 2 **Sample Range:** 24680 - 29452 Water Depth: 6654 Public Info Code: Y 31-JUL-2006 Paleo ID: 002 **Ecozone Eq MMS:**

MD/TVD_		Paleo Top Description		<u>Ecozone</u>
29400 /29381	DEF	AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT
29420 /29401	DEF	AT local marker floral increase	DEF	AT
29440 /29421	DEF	AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT
29452 /29433	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 First Sample Examined: 9075 Date of Summary: 01-JAN-2002 Lease Number: G18683 Source of Paleo: OPERATOR **Borehole MD:** 16720 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16072 **API Well Number:** 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 **Sample Range:** 9075 - 16600 Paleo Report Num: 1 of 2 Water Depth: 6288 Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Titan South Prospect, 16360=weak, reworked?? Globorotalia peripheroacuta, Globigerinoides sicanus and Cibicides barnetti, 16390=weak, reworked?? Cibicides cushmani and Globorotalia peripheroronda, 16430=weak, reworked?? Cristellaria 49 and Robulus 2, foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ē	cozone
9075 / 9075	DEF	AT first sample examined	DEF	AT	
9076 / 9076	DEF	AT cement	DEF	AT	
9495 / 9495	DEF	AT local marker planktic foram increase	DEF	IN	4
9555 / 9555	DEF	AT local marker planktic foram increase	DEF	AT	5
9675 / 9675	DEF	AT faunal change (no faunal increase)	DEF	IN	4
10870 /10820	POS	AT local marker planktic foram increase	DEF	IN	4
10900 /10847	DEF	AT local marker planktic foram increase	DEF	IN	4
11890 /11725	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
11980 /11804	DEF	AT faunal change (no faunal increase)	DEF	IN	4
12040 /11857	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	4
12070 /11884	DEF	AT pyrite	DEF	IN	4
12100 /11910	DEF	AT pyrite	DEF	IN	4
12250 /12043	POS	AT local marker planktic foram increase	DEF	AT	5
12460 /12229	DEF	AT pyrite	DEF	IN	4
12610 /12365	DEF	AT faunal change (no faunal increase)	POS	AT	4
12910 /12635	DEF	AT pyrite	POS	AT	4
13240 /12933	DEF	AT local marker foram increase	DEF	AT	4
13419 /13095	DEF	AT reworked material	POS	AT	4
13420 /13095	POS	AT Upper Pliocene (Gelasian) Lenticulina 1	POS	AT	4
13600 /13258	DEF	AT local marker foram increase	POS	ΑT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 Date of Summary: 01-JAN-2002 First Sample Examined: 9075 Source of Paleo: OPERATOR Lease Number: G18683 **Borehole MD:** 16720 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 16072 **API Well Number:** 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 1 of 2 **Sample Range:** 9075 - 16600 Water Depth: 6288 Paleo ID: 001

Public Info Code: Y 30-JUN-2007 Ecozone Eq MMS: Y

MD/TVD		Paleo Top Description		Eco	ozone
13660 /13312	POS	AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS	AT	4
13690 /13339	DEF	AT pyrite	POS	AT	4
13930 /13554	POS	AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
14259 /13849	DEF	AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	IN	4
14260 /13850	DEF	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	4
14289 /13876	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	4
14290 /13877	DEF	AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN	4
14470 /14039	DEF	AT faunal change (no faunal increase)	DEF	AT	5
14500 /14066	DEF	AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF	AT	5
14590 /14147	DEF	AT faunal change (no faunal increase)	DEF	IN	4
14620 /14174	DEF	AT pyrite	DEF	IN	4
14680 /14227	DEF	AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF	IN	4
14800 /14335	DEF	AT local marker planktic foram increase	DEF	AT	5
14889 /14416	DEF	AT pyrite	DEF	AT	5
14890 /14416	DEF	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	5
14920 /14443	DEF	AT pyrite	DEF	AT	5
15040 /14552	DEF	AT local marker planktic foram increase	DEF	IN	4
15160 /14660	DEF	AT local marker foram decrease	DEF	IN	4
15340 /14823	POS	AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF	IN	4
15490 /14959	DEF	AT reworked material	DEF	IN	4
15610 /15068	DEF	AT local marker planktic foram increase	DEF	AT	5
15640 /15095	DEF	AT local marker planktic foram increase	DEF	AT	5
15670 /15122	DEF	AT foram flood	DEF	AT	5
15730 /15177	DEF	AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	AT	5

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Eag-ana

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 Date of Summary: 01-JAN-2002 First Sample Examined: 9075 Lease Number: G18683 Source of Paleo: OPERATOR **Borehole MD:** 16720 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16072 **API Well Number:** 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 1 of 2 **Sample Range:** 9075 - 16600 Water Depth: 6288 Public Info Code: Y 30-JUN-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/IVD		Paleo Top Description		ECO	zone
15850 /15285	DEF	AT local marker planktic foram increase	DEF	AT	5
15969 /15393	DEF	AT pyrite	DEF	AT	5
15970 /15394	POS	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	5
16060 /15476	DEF	AT pyrite	DEF	AT	5
16180 /15585	DEF	AT faunal change (no faunal increase)	DEF	IN	4
16300 /15693	DEF	AT pyrite	DEF	IN	4
16360 /15747	DEF	AT reworked material	DEF	IN	4
16390 /15774	DEF	AT reworked material	DEF	IN	4
16430 /15811	DEF	AT reworked material	DEF	IN	4
16477 /15853	DEF	AT pyrite	POS	AT	4
16478 /15854	DEF	AT out-of-place section	POS	AT	4
16479 /15855	POS	AT reworked material	POS	AT	4
16480 /15856	POS	AT Middle Miocene (Serravallian) Cibicides opima	POS	AT	4
16540 /15910	POS	AT Middle Miocene (Langhian) Robulus "L" / 43	POS	AT	4
16600 /15964	DEF	AT last sample examined	POS	AT	4

Pales Ton Description

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Ecozono

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 First Sample Examined: 9071 Date of Summary: 01-JAN-2002 Lease Number: G18683 Source of Paleo: OPERATOR **Borehole MD:** 16720 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16072 API Well Number: 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 2 of 2 **Sample Range:** 9071 - 16600 Water Depth: 6288 Public Info Code: Y 30-JUN-2007 **Ecozone Eq MMS:** Paleo ID: 002

Remark: Titan South Prospect, calcareous nannofossil report, 12910=Upper Pliocene Discoaster spp increase, 15850=Reticulofenestra pseudoumbilica "C", 15880=Upper Miocene Minyllitha convalis second increase, 16150=Catinaster coalitus increase, 16570=Helicosphaera ampliaperta (low) and small increase in Discoaster lidzi, nannospecies abundance and diversity chart available, see report for details

MD/IVD		Paleo Top Description		<u> Ecozone</u>
9071 / 9071	DEF	AT first sample examined	DEF	AT
9465 / 9465	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	AT
9495 / 9495	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF	AT
9555 / 9555	DEF	IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9675 / 9675	DEF	AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF	AT
10900 /10847	DEF	AT Lower Pleistocene (Calabrian) Pseudoemiliania lacunosa (increase)	DEF	AT
11829 /11671	DEF	AT condensed section	DEF	AT
11830 /11672	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
11890 /11725	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT
12040 /11857	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT
12250 /12043	DEF	AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT
12280 /12069	DEF	AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF	AT
12430 /12202	DEF	AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF	AT
13959 /13580	DEF	AT condensed section	DEF	AT
13960 /13581	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
14080 /13689	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
14260 /13850	DEF	AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF	AT
14290 /13877	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF	AT
14320 /13904	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT
14510 /14075	DEF	IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF	AT

This report contains public paleo reports only for the time period stated

Paleo Ton Description

MD/TVD

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 Date of Summary: 01-JAN-2002 First Sample Examined: 9071 Lease Number: G18683 Source of Paleo: OPERATOR **Borehole MD:** 16720 Well Name: 001 Paleo Done By: APPLIED BIOSTRATIGRAPHIX **Borehole TVD:** 16072 **API Well Number:** 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 Paleo Report Num: 2 of 2 **Sample Range:** 9071 - 16600 Water Depth: 6288 Public Info Code: Y 30-JUN-2007 Paleo ID: **Ecozone Eq MMS:** 002

MID/ IVD		Paleo Top Description		Ecozone
14680 /14227	DEF	AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF	AT
14710 /14254	DEF	AT local marker floral increase	DEF	AT
14830 /14362	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF	AT
14890 /14416	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
14950 /14471	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
15670 /15122	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT
15700 /15149	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF	AT
15760 /15204	DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT
15790 /15231	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
15820 /15258	DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
15850 /15285	DEF	AT Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF	AT
15880 /15313	POS	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
15910 /15340	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
15940 /15367	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT
15970 /15394	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
16000 /15421	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
16030 /15449	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
16120 /15530	DEF	IN Upper Miocene (Tortonian) Discoaster exilis	DEF	AT
16150 /15557	DEF	AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF	AT
16270 /15666	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT
16300 /15693	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT
16330 /15720	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT
16360 /15747	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
16380 /15765	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Paleo ID:

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 313 Date of Summary: 01-JAN-2002 First Sample Examined: 9071 Source of Paleo: OPERATOR Lease Number: G18683 **Borehole MD:** 16720 Paleo Done By: APPLIED BIOSTRATIGRAPHIX Well Name: 001 **Borehole TVD:** 16072 **API Well Number:** 608124000700 **Drilling Operator:** DEVON LOUISIANA CORPORATION **Rkb Elevation:** 72 Water Depth: Paleo Report Num: 2 of 2 **Sample Range:** 9071 - 16600 6288

Public Info Code: Y 30-JUN-2007

Ecozone Eq MMS:

MD/TVD_	Paleo Top Description	<u>Ecozone</u>
16390 /15774	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16510 /15883	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
16600 /15964	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 30-AUG-2000 First Sample Examined: 20310 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 24340 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 24250 **API Well Number:** 608124000300 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Sample Range: 20310 - 24330 Paleo Report Num: 1 of 1 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: Calcareous nannofossil report, 21460=21640=mixed nannos, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
20310 /20251	DEF	AT first sample examined	DEF	AT
20311 /20252	DEF	IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT
20370 /20310	DEF	AT local marker floral decrease	DEF	AT
20610 /20547	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
20790 /20725	DEF	AT local marker floral decrease	DEF	AT
20980 /20914	DEF	AT reworked material	DEF	AT
21459 /21388	POS	IN Pliocene	DEF	AT
21460 /21389	POS	IN Eocene	DEF	AT
21519 /21448	DEF	AT unconformity	DEF	AT
21520 /21449	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
21639 /21567	POS	AT Upper (Late) Miocene	DEF	AT
21640 /21568	POS	AT Eocene	DEF	AT
21700 /21628	DEF	AT local marker floral decrease	DEF	AT
22240 /22165	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
23040 /22959	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
23099 /23018	DEF	AT unconformity	DEF	AT
23100 /23019	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
24329 /24240	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT
24330 /24241	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-OCT-2000 First Sample Examined: 20810 Source of Paleo: OPERATOR Lease Number: G16993 **Borehole MD:** 24890 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 24748 **API Well Number:** 608124000301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Paleo Report Num: 1 of 2 Sample Range: 20810 - 24869 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
20810 /20745	DEF	AT first sample examined	DEF	AT
20990 /20923	DEF	AT reworked material	DEF	AT
21110 /21043	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT
21350 /21281	DEF	AT out-of-place section	DEF	AT
21410 /21341	DEF	AT out-of-place section	DEF	AT
21530 /21460	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
21710 /21638	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT
22250 /22173	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
22670 /22587	DEF	AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT
22910 /22822	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT
23090 /22998	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT
23150 /23057	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT
23390 /23291	DEF	AT local marker floral increase	DEF	AT
24400 /24269	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT
24460 /24327	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
24869 /24726	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-DEC-2000 First Sample Examined: 20810 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 24890 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 24748 **API Well Number:** 608124000301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 **Sample Range:** 20810 - 24890 Paleo Report Num: 2 of 2 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 003

Remark: Foram species abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ec	ozone
20810 /20745	DEF	AT first sample examined	DEF	AT	4
20811 /20746	DEF	AT cement	DEF	AT	4
21210 /21142	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
21780 /21708	DEF	AT reworked material	DEF	IN	3
21990 /21916	POS	AT local marker foram increase	DEF	IN	3
22230 /22153	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	5
22260 /22183	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
22380 /22301	DEF	AT faunal change (no faunal increase)	DEF	AT	4
22410 /22331	DEF	AT local marker foram decrease	DEF	AT	4
22470 /22390	DEF	AT turbid water facies	POS	AT	4
22620 /22538	DEF	AT Arenaceous fauna (local marker)	POS	AT	4
22650 /22567	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS	AT	4
22710 /22626	DEF	AT faunal change (no faunal increase)	DEF	IN	4
22740 /22655	DEF	AT faunal change (no faunal increase)	DEF	AT	4
22800 /22714	DEF	AT turbid water facies	POS	AT	4
22860 /22773	DEF	AT local marker planktic foram increase	DEF	AT	4
22920 /22832	DEF	AT turbid water facies	POS	AT	4
23040 /22949	DEF	AT local marker deep water fauna	DEF	AT	4
23340 /23242	POS	AT Middle Miocene (Serravallian) Cristellaria "I"	DEF	AT	5
23370 /23272	DEF	AT faunal change (no faunal increase)	DEF	IN	4
23610 /23505	DEF	AT faunal change (no faunal increase)	DEF	AT	4
23670 /23563	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-DEC-2000 First Sample Examined: 20810 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 24890 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 24748 **API Well Number:** 608124000301 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Paleo Report Num: 2 of 2 Sample Range: 20810 - 24890 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 Paleo ID: Ecozone Eq MMS: Y 003

MD/IVD		Paleo Top Description		Ecozo	<u>one</u>
23700 /23592	DEF	AT faunal change (no faunal increase)	DEF	IN	4
23730 /23621	DEF	AT faunal change (no faunal increase)	DEF	AT	4
23860 /23747	DEF	AT cement	DEF	IN	4
23880 /23767	DEF	AT limestone	DEF	IN	4
23970 /23853	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
24000 /23882	DEF	AT limestone	DEF	IN	4
24090 /23969	POS	AT Middle Miocene (Serravallian) Cibicides opima	DEF	IN	4
24119 /23997	DEF	AT limestone	DEF	IN	4
24120 /23998	DEF	AT condensed section	DEF	IN	4
24150 /24027	DEF	AT faunal change (no faunal increase)	DEF	AT	4
24210 /24085	DEF	AT local marker foram increase	DEF	AT	4
24300 /24172	DEF	AT local marker foram increase	DEF	AT	4
24360 /24230	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	IN	4
24510 /24376	DEF	AT faunal change (no faunal increase)	DEF	AT	4
24630 /24493	POS	AT local marker foram increase	DEF	AT	4
24780 /24639	DEF	AT Arenaceous fauna (local marker)	DEF	AT	4
24810 /24668	DEF	AT limestone	DEF	AT	4
24890 /24746	DEF	AT last sample examined	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-OCT-2000 First Sample Examined: 24870 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 29400 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29229 **API Well Number:** 608124000302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Sample Range: 24870 - 29400 Paleo Report Num: 1 of 2 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 **Ecozone Eq MMS:** Paleo ID: 001

Remark: Calcareous nannofossil report, 27930=probable FAD (First Appearance Datum) of Sphenolithus heteromorphus, 28810=FAD of both Sphenolithus belemnos and Helicosphaera ampliaperta, nannospecies abundance and diversity chart available, see report for details

MD/TVD		Paleo Top Description		Ecozone
24870 /24726	DEF	AT first sample examined	DEF	AT
24990 /24843	DEF	AT local marker floral increase	DEF	AT
25530 /25373	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT
25710 /25550	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT
25890 /25727	DEF	AT local marker floral increase	DEF	AT
26070 /25904	DEF	AT local marker floral decrease	DEF	AT
26370 /26202	DEF	AT Middle Miocene (Langhian) Discoaster trinidadensis	DEF	AT
26430 /26261	DEF	AT local marker floral increase	DEF	AT
26550 /26381	DEF	AT local marker floral decrease	DEF	AT
26910 /26740	DEF	AT local marker floral increase	DEF	AT
27030 /26860	DEF	AT local marker floral decrease	DEF	AT
27330 /27160	DEF	AT local marker floral increase	DEF	AT
27930 /27760	DEF	AT local marker floral increase	DEF	AT
28090 /27920	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF	AT
28210 /28040	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT
28510 /28340	DEF	AT local marker floral increase	DEF	AT
28810 /28640	POS	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
28990 /28820	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT
29400 /29230	DEF	AT last sample examined	DEF	AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-DEC-2000 First Sample Examined: 24900 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 29400 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29229 **API Well Number:** 608124000302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Sample Range: 24900 - 29400 Paleo Report Num: 2 of 2 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 Ecozone Eq MMS: Y Paleo ID: 002

Remark: 27000=27780=transported carbonate bank fauna, 28395=gray limestone influx with carbonate bank fauna influx, foram species abundance and

diversity chart available, see report for details

MD/TVD		Paleo Top Description		E	Ecozone
24900 /24755	DEF	AT first sample examined	DEF	AT	4
25050 /24902	DEF	AT	DEF	IN	4
25080 /24932	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	IN	4
25110 /24961	DEF	AT local marker foram increase	DEF	IN	4
25170 /25020	DEF	AT Arenaceous fauna (local marker)	DEF	IN	4
25230 /25079	DEF	AT local marker deep water fauna	DEF	IN	4
25290 /25138	DEF	AT	DEF	AT	4
25320 /25167	POS	AT local marker planktic foram increase	DEF	AT	4
25380 /25226	DEF	AT grayshale	DEF	AT	4
25920 /25756	DEF	AT local marker planktic foram increase	DEF	AT	4
25950 /25786	DEF	AT limestone	DEF	AT	4
26160 /25993	DEF	AT local marker foram increase	DEF	IN	4
26250 /26082	DEF	AT turbid water facies	DEF	IN	4
26340 /26172	DEF	AT local marker planktic foram increase	DEF	IN	4
26400 /26231	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	IN	4
26550 /26381	DEF	AT	DEF	AT	4
26700 /26530	DEF	AT turbid water facies	DEF	AT	4
26970 /26800	DEF	AT local marker planktic foram increase	DEF	IN	4
27000 /26830	DEF	AT limestone	DEF	IN	4
27360 /27190	DEF	AT local marker planktic foram increase	DEF	IN	4
27420 /27250	DEF	AT local marker foram decrease	DEF	AT	4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 456 Date of Summary: 18-DEC-2000 First Sample Examined: 24900 Lease Number: G16993 Source of Paleo: OPERATOR **Borehole MD:** 29400 Well Name: 001 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. **Borehole TVD:** 29229 **API Well Number:** 608124000302 Drilling Operator: TEXACO EXPLORATION AND PROD **Rkb Elevation:** 75 Paleo Report Num: 2 of 2 Sample Range: 24900 - 29400 Water Depth: 6680 Public Info Code: Y 31-JUL-2006 Paleo ID: **Ecozone Eq MMS:** Y 002

MD/TVD	Paleo Top Description	<u>Ecozone</u>
27720 /27550	DEF AT turbid water facies	DEF AT 4
28090 /27920	DEF AT limestone	DEF AT 4
28395 /28225	DEF AT	DEF IN 4
28420 /28250	DEF AT local marker foram increase	DEF IN 4
28450 /28280	DEF AT	DEF AT 4
28660 /28490	DEF AT pyrite	DEF AT 4
28840 /28670	DEF AT	DEF IN 4
28870 /28700	DEF AT local marker foram increase	DEF IN 4
28930 /28760	DEF AT	DEF AT 4
28960 /28790	DEF AT limestone	DEF AT 4
29400 /29230	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Lease Number: G17003 Source of Paleo: OPERATOR **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 **Drilling Operator:** BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Sample Range: 23580 - 29630 Paleo Report Num: 1 of 1 Water Depth: 6844 Public Info Code: Y 02-JAN-2007 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Tucker Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for

details

MD/TVD		Paleo Top Description		Ec	ozone
23580 /23578	DEF	AT first sample examined	DEF	AT	6
23581 /23579	DEF	AT out-of-place section	DEF	AT	6
23700 /23698	DEF	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	AT	6
23819 /23817	DEF	IN Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	6
23820 /23818	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	6
23850 /23848	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
23880 /23878	DEF	AT local marker floral increase	DEF	AT	6
23910 /23908	DEF	AT local marker foram increase	DEF	AT	6
23940 /23938	DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	6
24000 /23998	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	6
24030 /24028	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF	AT	6
24060 /24058	DEF	AT local marker foram decrease	DEF	AT	6
24090 /24088	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	6
24120 /24118	DEF	AT local marker floral increase	DEF	AT	6
24180 /24178	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	6
24209 /24207	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF	AT	6
24210 /24208	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	6
24240 /24238	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	AT	6
24270 /24268	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
24329 /24327	DEF	AT local marker floral increase	DEF	AT	6
24330 /24328	DEF	AT local marker foram decrease	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Source of Paleo: OPERATOR Lease Number: G17003 **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 23580 - 29630 Water Depth: 6844 Public Info Code: Y 02-JAN-2007 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description		Ec	ozone
24420 /24418	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
24480 /24478	DEF	AT local marker floral increase	DEF	AT	6
24540 /24538	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	6
24599 /24597	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	6
24600 /24598	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT	6
24630 /24628	DEF	AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	6
24660 /24658	DEF	AT local marker foram decrease	DEF	AT	6
24690 /24688	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
24720 /24718	DEF	IN Middle Miocene (Serravallian) Cibicides opima	DEF	AT	6
24840 /24838	DEF	IN Middle Miocene (Serravallian) Sphenolithus moriformis	DEF	AT	6
24929 /24927	DEF	AT local marker floral decrease	DEF	AT	6
24930 /24928	DEF	AT local marker planktic foram increase	DEF	AT	6
25230 /25228	DEF	AT local marker floral increase	DEF	AT	6
25260 /25258	DEF	AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF	AT	6
25350 /25348	POS	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT	6
25410 /25408	DEF	AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	6
25440 /25438	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	6
25469 /25467	DEF	AT Middle Miocene (Langhian) Discoaster calculosus	DEF	AT	6
25470 /25468	DEF	AT Middle Miocene (Langhian) Discoaster druggi	DEF	AT	6
25560 /25558	DEF	AT local marker floral increase	DEF	AT	6
25619 /25617	DEF	AT transported shelf fauna	DEF	AT	6
25620 /25618	DEF	AT local marker floral increase	DEF	AT	6
25679 /25677	DEF	AT local marker floral decrease	DEF	AT	6
25680 /25678	DEF	AT local marker foram decrease	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Lease Number: G17003 Source of Paleo: OPERATOR **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 23580 - 29630 Water Depth: 6844 Public Info Code: Y 02-JAN-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD_		Paleo Top Description		Ecoz	<u>zone</u>
25710 /25708	DEF	AT local marker floral increase	DEF	AT	6
25740 /25738	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
25830 /25828	DEF	AT local marker floral increase	DEF	AT	6
25980 /25978	DEF	AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF	AT	6
26010 /26008	DEF	AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF	AT	6
26040 /26038	DEF	AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF	AT	6
26070 /26068	DEF	AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF	AT	6
26099 /26097	DEF	AT local marker floral increase	DEF	AT	6
26100 /26098	DEF	IN Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	6
26130 /26128	POS	AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF	AT	6
26219 /26217	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT	6
26220 /26218	DEF	AT Bathysiphon fauna	DEF	AT	6
26277 /26275	POS	AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT	6
26278 /26276	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT	6
26279 /26277	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT	6
26280 /26278	DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT	6
26310 /26308	DEF	AT Bathysiphon fauna	DEF	AT	6
26340 /26338	DEF	AT local marker foram decrease	DEF	AT	6
26370 /26368	DEF	AT reworked material	DEF	AT	6
26430 /26428	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT	6
26549 /26547	DEF	AT local marker floral increase	DEF	AT	6
26550 /26548	DEF	AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF	AT	6
26580 /26578	DEF	AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF	AT	6
26610 /26608	DEF	AT local marker planktic foram increase	DEF	AT	6

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Pales Top Description

MD/TVD

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001

Fcozone

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 02-JAN-2007

Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Lease Number: G17003 Source of Paleo: OPERATOR **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 23580 - 29630 Water Depth: 6844

Ecozone Eq MMS: Y

Paleo Top Description

MID/ IVD		Paleo Top Description			cozone
26640 /26638	DEF	AT local marker floral increase	DEF	AT	6
26670 /26668	DEF	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	6
26707 /26705	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT	6
26708 /26706	POS	AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT	6
26820 /26818	POS	AT local marker planktic foram increase	DEF	AT	6
26940 /26938	DEF	AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF	AT	6
27030 /27028	DEF	AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT	6
27090 /27088	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF	AT	6
27119 /27117	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT	6
27120 /27118	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	6
27180 /27178	DEF	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT	6
27240 /27238	DEF	AT local marker planktic foram increase	DEF	IN	6
27269 /27267	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	IN	6
27270 /27268	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	IN	6
27299 /27297	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	IN	6
27300 /27298	DEF	AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF	IN	6
27450 /27448	DEF	AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	IN	6
27480 /27478	DEF	AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF	IN	6
27510 /27508	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	IN	6
27540 /27538	DEF	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	IN	6
27569 /27567	DEF	AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF	IN	6
27570 /27568	POS	AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	IN	6
27660 /27658	DEF	AT local marker foram decrease	DEF	IN	6
27690 /27688	DEF	AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF	IN	6

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Lease Number: G17003 Source of Paleo: OPERATOR **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 23580 - 29630 Water Depth: 6844 Public Info Code: Y 02-JAN-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

WD/TVD_		Paleo Top Description		EC	ozone
27720 /27718	DEF	AT local marker floral increase	DEF	IN	6
27779 /27777	DEF	AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF	IN	6
27780 /27778	DEF	AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	IN	6
27810 /27808	DEF	AT local marker foram increase	DEF	IN	6
27839 /27837	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF	IN	6
27840 /27838	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	IN	6
27869 /27867	DEF	IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	IN	6
27870 /27868	DEF	AT radiolarians	DEF	IN	6
27898 /27896	DEF	AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF	IN	6
27899 /27897	DEF	AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF	IN	6
27900 /27898	DEF	AT radiolarians	DEF	IN	6
27960 /27958	DEF	AT Lower Eocene (Ypresian) Toweius crassus	DEF	IN	6
27987 /27985	DEF	AT Bathysiphon fauna	DEF	IN	6
27988 /27986	DEF	AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF	IN	6
27989 /27987	DEF	AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF	IN	6
27990 /27988	DEF	AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF	IN	6
28020 /28018	DEF	AT local marker foram decrease	DEF	IN	6
28050 /28048	POS	AT local marker planktic foram increase	DEF	IN	6
28110 /28108	DEF	AT local marker foram decrease	DEF	IN	6
28140 /28138	DEF	AT Bathysiphon fauna	DEF	IN	6
28190 /28188	DEF	IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	IN	6
28770 /28768	POS	AT Bathysiphon fauna	DEF	IN	6
28890 /28888	DEF	AT local marker floral increase	DEF	IN	6
28920 /28918	DEF	AT Bathysiphon fauna	DEF	IN	6

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Eag-ana

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 544 Date of Summary: 21-AUG-2006 First Sample Examined: 23580 Lease Number: G17003 Source of Paleo: OPERATOR **Borehole MD:** 29630 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29628 **API Well Number:** 608124002100 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 23580 - 29630 Water Depth: 6844 Public Info Code: Y 02-JAN-2007 Paleo ID: **Ecozone Eq MMS:** Y 001

WID/ IVD		raieo Top Description			cozone
28950 /28948	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
28980 /28978	POS	AT local marker foram decrease	DEF	IN	6
29040 /29038	DEF	AT local marker floral increase	DEF	IN	6
29156 /29154	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
29220 /29218	DEF	AT local marker floral increase	DEF	IN	6
29280 /29278	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
29369 /29367	DEF	AT Bathysiphon fauna	DEF	IN	6
29370 /29368	POS	AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF	IN	6
29400 /29398	DEF	AT Arenaceous fauna (local marker)	DEF	IN	6
29430 /29428	DEF	AT local marker foram decrease	DEF	IN	6
29490 /29488	POS	AT Bathysiphon fauna	DEF	IN	6
29520 /29518	POS	AT local marker floral increase	DEF	IN	6
29630 /29628	DEF	AT last sample examined	DEF	IN	6

Pales Ton Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Sample Range: 14131 - 29847 Paleo Report Num: 1 of 1 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

Remark: Das Bump Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see

report for details

MD/TVD	_	Paleo Top Description			Ecozone
14131 /14130	DEF	AT first sample examined	POS	AT	5
14510 /14509	DEF	AT local marker planktic foram increase	POS	AT	5
14870 /14869	DEF	AT local marker foram increase	DEF	AT	5
14928 /14927	7 DEF	AT local marker floral increase	DEF	ΑT	5
14929 /14928	B DEF	AT local marker benthic foram increase	DEF	ΑT	5
14930 /14929	DEF	AT local marker planktic foram increase	DEF	ΑT	5
14989 /14988	B DEF	AT local marker floral increase	DEF	ΑT	5
14990 /14989	DEF	AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF	AT	5
15380 /15379	DEF	AT local marker foram increase	DEF	ΑT	5
15530 /15529	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT	5
15559 /15558	B DEF	AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	ΑT	5
15560 /15559	DEF	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	ΑT	5
15740 /15739	DEF	AT local marker foram increase	DEF	AT	5
15800 /15799	DEF	AT local marker foram increase	DEF	ΑT	5
15830 /15829	DEF	AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	ΑT	5
16069 /16068	POS	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
16070 /16069	DEF	AT local marker planktic foram increase	DEF	AT	5
16400 /16399	DEF	AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT	5
16520 /16519	POS	AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	ΑT	5
16699 /16698	POS	AT reworked material	DEF	ΑT	5
16700 /16699	POS	AT local marker planktic foram increase	DEF	ΑT	5

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Eag-ana

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/TVD		Paleo Top Description		Eco	zone
16760 /16759	DEF	AT reworked material	DEF	AT	5
17480 /17479	DEF	AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT	5
18199 /18198	DEF	AT Upper Pliocene (Gelasian) Calcidiscus macintyrei (increase)	DEF	AT	5
18200 /18199	DEF	AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
18229 /18228	DEF	AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF	IN	5
18230 /18229	DEF	AT local marker foram increase	DEF	IN	5
18260 /18259	DEF	AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	IN	5
18290 /18289	DEF	AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	IN	5
18319 /18318	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN	5
18320 /18319	POS	IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
18349 /18348	DEF	AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	IN	5
18350 /18349	POS	AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN	5
18589 /18588	DEF	AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF	IN	5
18590 /18589	DEF	AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN	5
18980 /18979	DEF	AT local marker planktic foram increase	DEF	IN	5
19010 /19009	POS	AT local marker floral increase	DEF	IN	5
19250 /19249	POS	AT local marker foram increase	DEF	IN	5
19280 /19279	DEF	AT local marker planktic foram increase	DEF	IN	5
19310 /19309	DEF	AT local marker floral increase	DEF	IN	6
19400 /19399	DEF	AT local marker foram increase	DEF	AT	6
19490 /19489	DEF	AT local marker foram decrease	DEF	AT	6
19550 /19549	DEF	AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	6
19670 /19669	DEF	AT local marker floral increase	DEF	AT	6
19729 /19728	DEF	AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF	AT	6

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

ND/1VD	<u></u>	Paleo Top Description		ECO	zone
19730 /1972	9 DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	6
19850 /1984	9 POS	AT local marker foram increase	DEF	AT	6
19880 /1987	9 DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	6
19970 /1996	9 DEF	AT local marker floral increase	DEF	AT	6
20060 /2005	9 DEF	AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF	AT	6
20240 /2023	9 DEF	AT Arenaceous fauna (local marker)	DEF	AT	6
20358 /2035	7 DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	6
20359 /2035	8 DEF	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	6
20360 /2035	9 DEF	AT Arenaceous fauna (local marker)	DEF	AT	6
20420 /2041	9 DEF	AT Upper Miocene (Tortonian) Discoaster bellus	DEF	AT	6
20480 /2047	9 DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	6
20539 /2053	8 DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	6
20540 /2053	9 POS	AT local marker foram increase	DEF	AT	6
20629 /2062	8 DEF	AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF	AT	6
20630 /2062	9 DEF	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	6
20720 /2071	9 POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	6
20810 /2080	9 DEF	AT local marker floral increase	DEF	AT	6
21080 /2107	9 DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	6
21109 /2110	8 POS	AT Upper Miocene (Tortonian) Discoaster exilis	DEF	AT	6
21110 /2110	9 DEF	AT local marker foram increase	DEF	AT	6
21229 /2122	8 DEF	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	6
21230 /2122	9 DEF	AT local marker foram increase	DEF	AT	6
21320 /2131	9 DEF	AT Arenaceous fauna (local marker)	DEF	AT	6
21440 /2143	9 DEF	AT Bathysiphon fauna	DEF	AT	6

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Paleo Top Description

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MD/ IVD		Paleo Top Description		EC	ozone
21560 /21559	DEF	AT local marker foram increase	DEF	AT	6
21620 /21619	DEF	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	6
21680 /21679	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	6
21740 /21739	DEF	AT Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT	6
21829 /21828	POS	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	6
21830 /21829	DEF	AT local marker foram increase	DEF	AT	6
21859 /21858	DEF	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	6
21860 /21859	DEF	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	6
21920 /21919	DEF	AT Middle Miocene (Serravallian) Calcidiscus premacintyrei	DEF	AT	6
21950 /21949	DEF	AT Middle Miocene (Serravallian) Discoaster musicus	DEF	AT	6
21980 /21979	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	6
22070 /22069	DEF	AT local marker planktic foram increase	DEF	AT	6
22130 /22129	DEF	AT Arenaceous fauna (local marker)	DEF	AT	6
22190 /22189	DEF	AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF	AT	6
22220 /22219	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	6
22280 /22279	DEF	AT local marker foram increase	DEF	AT	6
22339 /22338	DEF	AT Middle Miocene (Langhian) Discoaster druggi	DEF	AT	6
22340 /22339	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
22460 /22459	POS	AT local marker foram increase	DEF	AT	6
22490 /22489	DEF	AT local marker floral increase	DEF	AT	6
22669 /22668	DEF	AT local marker floral increase	DEF	AT	6
22670 /22669	DEF	AT local marker foram increase	DEF	AT	6
22700 /22698	DEF	AT local marker planktic foram increase	DEF	AT	6
22730 /22728	DEF	AT local marker floral increase	DEF	AT	6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 First Sample Examined: 14131 Date of Summary: 05-NOV-2004 Source of Paleo: OPERATOR Lease Number: G17011 **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 API Well Number: 608124001400 **Drilling Operator: BP EXPLORATION & PRODUCTION INC Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD **Paleo Top Description Ecozone** DEF AT 22820 /22818 POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta 6 22940 /22938 DEF AT local marker floral increase DEF ΑT 6 DEF AT Arenaceous fauna (local marker) DEF ΑT 6 22970 /22968 DEF DEF AT 23120 /23118 AT Arenaceous fauna (local marker) 6 23180 /23178 POS AT local marker foram increase DEF AT 6 DEF 6 23209 /23207 AT Middle Miocene (Langhian) Helicosphaera ampliaperta AΤ 23210 /23208 DEF AT local marker planktic foram increase DEF AT 6 23240 /23238 POS AT Middle Miocene (Langhian) Globigerinatella insueta DEF AT 6 23359 /23357 DEF AT local marker floral increase DEF 6 ΑT 23360 /23358 DEF AT reworked material DEF AT 6 23420 /23418 POS AT local marker planktic foram increase DEF AT 6 23510 /23508 POS AT local marker foram increase DEF ΑT 6 23540 /23538 DEF AT Lower Miocene (Burdigalian) Robulus 54B DEF AT 6 23660 /23658 DEF AT local marker floral increase DEF AT 6 AT local marker planktic foram increase 23749 /23747 DEF DEF AT 6 23750 /23748 POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT 6 23780 /23778 DEF AT reworked material DEF AT 6 23839 /23837 DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos DEF AT 6 23840 /23838 DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis DEF AT 6 23869 /23867 DEF AT local marker planktic foram increase DEF AT 6 23870 /23868 POS AT Lower Miocene (Burdigalian) Robulus chambersi DEF AT 6 AT Lower Miocene (Burdigalian) Orthorhabdus serratus DEF AT 23929 /23927 DEF 6 23930 /23928 DEF AT local marker foram increase DEF AT 6 23960 /23958 DEF AT local marker floral increase DEF AT 6

MD/TVD

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Fcozone

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Paleo ID: **Ecozone Eq MMS:** Y 001

MID/ IVD		Paleo Top Description		!	Ecozone
24080 /24078	DEF	AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF	AT	6
24169 /24167	DEF	AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF	AT	6
24170 /24168	DEF	AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF	AT	6
24230 /24228	DEF	AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT	6
24260 /24258	DEF	AT local marker foram increase	DEF	AT	6
24379 /24377	DEF	AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF	AT	6
24380 /24378	POS	AT local marker foram increase	DEF	AT	6
24500 /24498	DEF	AT local marker floral increase	DEF	AT	6
24529 /24527	DEF	AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT	6
24530 /24528	DEF	AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF	AT	6
24620 /24618	POS	AT Arenaceous fauna (local marker)	DEF	AT	6
24649 /24647	DEF	AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF	AT	6
24650 /24648	DEF	AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF	AT	6
24680 /24678	DEF	AT Arenaceous fauna (local marker)	DEF	AT	6
24739 /24737	DEF	IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT	7
24740 /24738	DEF	AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF	AT	7
24860 /24858	DEF	AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF	AT	7
24920 /24918	DEF	AT Arenaceous fauna (local marker)	DEF	AT	7
25190 /25188	DEF	AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF	AT	7
25220 /25218	POS	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT	7
25250 /25248	DEF	AT local marker foram increase	DEF	AT	7
25399 /25397	DEF	AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF	AT	7
25400 /25398	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT	7
25460 /25458	DEF	AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF	AT	7

This report contains public paleo reports only for the time period stated

Paleo Top Description

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Eag-ana

Paleo ID:

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

Public Info Code: Y 31-AUG-2006

Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591

Ecozone Eq MMS: Y

Pales Ton Description

MD/TVD_		Paleo Top Description		Ec	<u>ozone</u>
25520 /25518	DEF	AT local marker floral increase	DEF	AT	7
25669 /25667	DEF	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT	7
25670 /25668	DEF	IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	7
25699 /25697	DEF	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT	7
25700 /25698	DEF	AT local marker foram increase	DEF	AT	7
25790 /25788	DEF	AT local marker foram increase	DEF	AT	7
25819 /25817	DEF	AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF	AT	7
25820 /25818	DEF	AT local marker planktic foram increase	DEF	AT	7
25910 /25908	POS	AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF	AT	7
25939 /25937	POS	AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF	AT	7
25940 /25938	POS	AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF	AT	7
26000 /25998	DEF	AT local marker planktic foram increase	DEF	AT	7
26119 /26117	DEF	AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF	AT	7
26120 /26118	POS	AT Arenaceous fauna (local marker)	DEF	AT	7
26299 /26297	DEF	AT reworked material	DEF	AT	7
26300 /26298	DEF	AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF	AT	7
26539 /26537	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF	AT	7
26540 /26538	DEF	AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF	AT	7
26660 /26658	DEF	AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	AT	7
26689 /26687	DEF	AT local marker foram increase	DEF	AT	7
26690 /26688	POS	IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF	AT	7
26717 /26715	DEF	AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF	AT	7
26718 /26716	DEF	AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF	AT	7
26719 /26717	DEF	AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF	AT	7

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 First Sample Examined: 14131 Date of Summary: 05-NOV-2004 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 API Well Number: 608124001400 **Drilling Operator: BP EXPLORATION & PRODUCTION INC Rkb Elevation:** 88 Paleo Report Num: 1 of 1 Sample Range: 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Ecozone Eq MMS: Y Paleo ID: 001

MD/TVD Paleo Top Description **Ecozone** DEF AT 7 26720 /26718 AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis 26749 /26747 DEF AT Upper Eocene (Priabonian) Chiasmolithus consuetus DEF ΑT 7 DEF AT Middle Eocene (Bartonian) Sphenolithus radians DEF ΑT 26750 /26748 26840 /26838 DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli DEF AT 7 26900 /26898 DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta DEF AT 7 POS DEF ΑT 26930 /26928 AT Middle Eocene (Bartonian) Globorotalia spinuloinflata 26958 /26956 DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger DEF AT 7 7 26959 /26957 DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki DEF AT AT Middle Eocene (Bartonian) Orbulinoides beckmanni 7 26960 /26958 DEF DEF ΑT 27020 /27018 POS AT radiolarians DEF AT 7 7 27050 /27048 DEF AT Middle Eocene (Bartonian) Acarinina broedermanni DEF AT 27109 /27107 AT Middle Eocene (Bartonian) Chiasmolithus gigas DEF ΑT 7 AT radiolarians 7 27110 /27108 DEF DEF AT 27139 /27137 DEF AT Lower Eocene (Ypresian) Toweius crassus DEF AT 7 AT Lower Eocene (Ypresian) Tribrachiatus orthostylus 7 27140 /27138 DEF AT 27200 /27198 DEF AT Arenaceous fauna (local marker) DEF AT 7 27350 /27348 DEF AT Bathysiphon fauna DEF AT 7 27439 /27437 DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus DEF AT 7 27440 /27438 DEF AT Upper Paleocene (Thanetian) Discoaster diastypus DEF AT 7 DEF 27459 /27457 AT reworked material DEF AT 7 27530 /27528 DEF AT local marker floral increase DEF AT 7 AT reworked material DEF AT 7 27560 /27558 DEF 27740 /27738 DEF AT reworked material DEF AT 7 27770 /27768 DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii DEF AT 7

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005 End Date: 31-DEC-2007

> Area Block: WR 724 Date of Summary: 05-NOV-2004 First Sample Examined: 14131 Lease Number: G17011 Source of Paleo: OPERATOR **Borehole MD:** 29848 Well Name: 001 Paleo Done By: OPERATOR **Borehole TVD:** 29845 **API Well Number:** 608124001400 Drilling Operator: BP EXPLORATION & PRODUCTION INC **Rkb Elevation:** 88 Paleo Report Num: 1 of 1 **Sample Range:** 14131 - 29847 Water Depth: 7591 Public Info Code: Y 31-AUG-2006 Paleo ID: Ecozone Eq MMS: Y 001

MD/TVD		Paleo Top Description			Ecozone
27890 /27888	DEF	AT Bathysiphon fauna	DEF	AT	7
27920 /27918	POS	AT local marker planktic foram increase	DEF	AT	7
27950 /27948	DEF	AT Arenaceous fauna (local marker)	DEF	AT	7
28040 /28037	DEF	AT Bathysiphon fauna	DEF	AT	7
28100 /28097	POS	AT Arenaceous fauna (local marker)	DEF	AT	7
28250 /28247	DEF	AT Arenaceous fauna (local marker)	DEF	AT	7
28310 /28307	DEF	AT Bathysiphon fauna	DEF	ΑT	7
28550 /28547	DEF	AT Arenaceous fauna (local marker)	DEF	ΑT	7
28730 /28727	DEF	AT Bathysiphon fauna	DEF	AT	7
28820 /28817	DEF	AT reworked material	DEF	AT	7
29000 /28997	DEF	AT Bathysiphon fauna	DEF	AT	7
29180 /29177	POS	AT Bathysiphon fauna	DEF	ΑT	7
29360 /29357	DEF	AT Bathysiphon fauna	DEF	ΑT	7
29540 /29536	POS	AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF	ΑT	7
29810 /29806	POS	AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF	ΑT	7
29847 /29843	DEF	AT last sample examined	DEF	AT	7