



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF WATER

MEMORANDUM

DATE: June 25, 2008

SUBJECT: Summaries of Data Available in the Sample Frame
Coalbed Methane Study

FROM: Marla Smith, Senior Statistician

TO: Carey Johnston, Project Lead
Technology and Statistics Branch
Engineering and Analysis Division
Office of Science and Technology

In developing the sample design described in Part B of the supporting statement for the Information Collection Request; we evaluated the contents of our sample frame for the coalbed methane extraction industry. Table 1 identifies the data fields that are available in the sample frame. Tables 2-20 provide various summaries of the data.

If you have any questions, please do not hesitate to contact me.

Table 1. Numbers of Missing Observations per Data Field by Basin Size

Field Name	Field Description	Basin Size			All Basins
		< 30 Wells	30 - 399 Wells	> 400 Wells	
Primary Variables					
State	State in which the well is located.	0	0	0	0
Basin	Basin in which the well is located in.	0	0	0	0
Curr_Oper_Name	Name of the organization operating the well.	0	0	0	0
Additional Potential Useful Variables					
2006_Water	Volume of water (bbls) per year generated.	19	239	2,797	3,055
2006_Gas	Volume of gas (Mcf) per year generated.	19	183	2,662	2,864
Field	Name of the field.	0	141	518	659
Reservoir	Name of the coalbed.	0	144	538	682
County	Name of the county.	0	144	124	268
Location	Township-Range identifier.	6	313	5,510	5,829
Longitude	Longitude of the hole location of the well.	6	398	5,216	5,620
Latitude	Latitude of the hole location of the well.	6	398	5,216	5,620
First_Prod_Date	First date by which production was	4	185	1,573	1,762
Comp_Date	Date reported that the well was completed.	30	624	35,280	35,934
Well Identification Variables					
API_No	Unique 10-digit identifier of wellbore.	0	85	0	85
PDEN_Type	Property type reporting (LEASE/UNIT/WELL/COMPLETION/OTHER).	0	144	530	674
PDEN_Name	This is the lease, well, completion name.	0	7	741	748
Lease_No	Lease number or state permit number.	0	7	4,718	4,725
Well_No	Operator-assigned well number.	1	144	2,255	2,400
Duplicate	Indicator of whether the API number appears in more than one record.	1	0	2,147	2,148

Table 2. Counts of Wells and Total Production Volume (Gas and Water) by Basin

Basin Size	Basin	Number of Wells	Number of Operators	Total Water Production (bbls)	Wells Missing Water Values	Wells Reporting No Water	Total Gas Production (Mcf)	Wells Missing Gas Values	Wells Reporting No Gas	Minimum Gas-to-Water Ratio	Maximum Gas-to-Water Ratio	Median Gas-to-Water Ratio	Wells Used in Ratio Calculations
< 30 Wells	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	6	2	107,090	2	0	7,415	2	0	0.0647	0.5038	0.1469	4
	ARKLA	27	4	956,319	17	1	137,648	17	0	0.0061	0.1510	0.0752	9
	BIG HORN	1	1	15,779	0	0	19,073	0	0	1.2088	1.2088	1.2088	1
	FT. WORTH	1	1	4,528	0	0	13,584	0	0	3.0000	3.0000	3.0000	1
	PERMIAN	6	1	32,232	0	0	169,034	0	0	1.6294	167.1420	7.3544	6
	SALINA	3	3	0	0	3	44,879	0	0				0
	SWEETGRASS ARCH	1	1	0	0	1	16,543	0	0				0
	TEXAS GULF COAST	2	1	11,790	0	0	4,530	0	0	0.2353	0.9166	0.5759	2
	WIND RIVER	20	6	2,046,638	0	2	1,855,870	0	0	0.0523	1,712.1000	0.9660	18
Sub-total	67	20	3,174,376	19	7	2,268,576	19	0	0.0061	1,712.1000			
30 - 399 Wells	CAHABA	313	2	5,280,298	49	0	2,755,284	49	0	0.0009	18.0987	0.6236	264
	GREEN RIVER	287	19	26,258,836	49	13	14,027,720	49	33	0.0000	4,108.0000	0.9572	192
	ILLINOIS	141	20		141	0	16,177	91	0				0
	Sub-total	741	41	31,539,134	239	13	16,799,181	189	33	0.0000	4,108.0000		
> 400 Wells	ANADARKO	1,214	68	0	4	1,210	11,235,111	4	9				0
	APPALACHIAN	4,421	40	2,104,097	780	1,142	94,982,864	645	1	-24.1812	21,096.0000	37.8783	2,499
	ARKOMA	1,420	53	0	3	1,417	38,852,542	3	0				0
	BLACK WARRIOR	4,771	13	55,023,095	154	282	113,235,078	154	0	0.0002	29,421.5000	5.4548	4,335
	CHEROKEE/FOREST CITY	2,311	49	0	36	2,275	23,502,841	36	6				0
	POWDER RIVER	20,172	79	678,567,250	1,390	3,166	385,801,514	1,390	1,958	0.0000	61,245.0000	0.5457	13,658
	RATON	2,736	9	179,563,398	121	56	121,655,036	121	50	0.0001	1,109.2222	2.1871	2,509
	SAN JUAN	6,546	63	42,245,485	264	929	918,824,720	264	1	0.0049	118,119.5000	72.6212	5,352
	UINTA-PICEANCE	970	21	23,648,524	8	29	82,056,576	8	0	0.0055	13,668.0000	7.5877	933
Sub-total	44,561	395	981,151,849	2,760	10,506	1,790,146,282	2,625	2,025	-24.1812	118,119.5000			
Total	45,369	456	1,015,865,359	3,018	10,526	1,809,214,039	2,833	2,058	-24.1812	118,119.5000			

Table 3. Counts of Wells and Total Production Volume (Gas and Water) by State and Basin

Basin Size	Basin	State	Number of Wells	Number of Operators	Total Water Production (bbls)	Wells Missing Water Values	Wells Reporting No Water	Total Gas Production (Mcf)	Wells Missing Gas Values	Wells Reporting No Gas	Minimum Gas-to-Water Ratio	Maximum Gas-to-Water Ratio	Median Gas-to-Water Ratio	Wells Used in Ratio Calculations
< 30 Wells	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	AL	6	2	107,090	2	0	7,415	2	0	0.0647	0.5038	0.1469	4
	ARKLA	LA	27	4	956,319	17	1	137,648	17	0	0.0061	0.1510	0.0752	9
	BIG HORN	WY	1	1	15,779	0	0	19,073	0	0	1.2088	1.2088	1.2088	1
	FT. WORTH	TX	1	1	4,528	0	0	13,584	0	0	3.0000	3.0000	3.0000	1
	PERMIAN	TX	6	1	32,232	0	0	169,034	0	0	1.6294	167.1420	7.3544	6
	SALINA	KS	3	3	0	0	3	44,879	0	0				0
	SWEETGRASS ARCH	MT	1	1	0	0	1	16,543	0	0				0
	TEXAS GULF COAST	TX	2	1	11,790	0	0	4,530	0	0	0.2353	0.9166	0.5759	2
	WIND RIVER	WY	20	6	2,046,638	0	2	1,855,870	0	0	0.0523	1,712.1000	0.9660	18
Sub-total			67	20	3,174,376	19	7	2,268,576	19	0	0.0061	1,712.1000		
30 - 399 Wells	CAHABA	AL	313	2	5,280,298	49	0	2,755,284	49	0	0.0009	18.0987	0.6236	264
	GREEN RIVER	CO	7	3	497,270	0	0	1,995	0	3	0.0000	0.0323	0.0099	4
	GREEN RIVER	WY	280	17	25,761,566	49	13	14,025,725	49	30	0.0004	4,108.0000	1.3965	188
	ILLINOIS	IL	56	11		56	0	16,177	6	0				0
	ILLINOIS	IN	85	10		85	0		85	0				0
Sub-total			741	43	31,539,134	239	13	16,799,181	189	33	0.0000	4,108.0000		
> 400 Wells	ANADARKO	KS	2	2	0	0	2	31,817	0	0				0
	ANADARKO	OK	1,212	66	0	4	1,208	11,203,294	4	9				0
	APPALACHIAN	OH	22	2	0	0	22	321,749	0	0				0
	APPALACHIAN	PA	627	27	0	528	99	1,218,438	528	1				0
	APPALACHIAN	VA	3,323	6	2,104,097	117	707	74,423,030	117	0	-24.1812	21,096.0000	37.8783	2,499
	APPALACHIAN	WV	449	12	0	135	314	19,019,647	0	0				0
	ARKOMA	AR	47	2	0	0	47	2,454,197	0	0				0
	ARKOMA	OK	1,373	53	0	3	1,370	36,398,345	3	0				0
	BLACK WARRIOR	AL	4,771	13	55,023,095	154	282	113,235,078	154	0	0.0002	29,421.5000	5.4548	4,335
	CHEROKEE/FOREST CITY	KS	2,311	49	0	36	2,275	23,502,841	36	6				0
	POWDER RIVER	MT	877	3	29,769,067	93	122	11,711,905	93	31	0.0000	13,908.0000	0.1308	631
	POWDER RIVER	WY	19,295	79	648,798,183	1,297	3,044	374,089,609	1,297	1,927	0.0000	61,245.0000	0.5728	13,027
	RATON	CO	2,119	8	162,276,154	78	50	95,256,062	78	50	0.0001	1,109.2222	2.5659	1,941
	RATON	NM	617	2	17,287,244	43	6	26,398,974	43	0	0.0002	272.9118	1.2778	568
	SAN JUAN	CO	1,736	20	24,095,128	48	38	413,308,973	48	1	0.0600	111,464.7500	27.5029	1,649
	SAN JUAN	NM	4,810	56	18,150,357	216	891	505,515,747	216	0	0.0049	118,119.5000	119.6590	3,703
	UINTA-PICEANCE	CO	138	13	189,506	6	22	5,392,751	6	0	0.9657	13,668.0000	60.7754	110
UINTA-PICEANCE	UT	832	8	23,459,018	2	7	76,663,825	2	0	0.0055	5,115.5517	6.2634	823	
Sub-total			44,561	421	981,151,849	2,760	10,506	1,790,146,282	2,625	2,025	0.0000	0.9657		
Total			45,369	484	1,015,865,359	3,018	10,526	1,809,214,039	2,833	2,058	0.0000	4,108.0000		

Table 4a. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 1 Well)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
Census (< 30 Wells)	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	AL	PALMER PETROLEUM, INC.	1	104360	6751
	ARKLA	LA	QUIET SUN INVESTMENTS, INC.	1	0	45162
	BIG HORN	WY	FIDELITY EXPLORATION & PRODUCTION CO	1	15779	19073
	FT. WORTH	TX	DIAMONDBACK OPERATING, LP	1	4528	13584
	SALINA	KS	AMERICAN ENERGIES CO	1	0	9757
	SALINA	KS	BECKER OIL CORPORATI	1	0	10012
	SALINA	KS	CLEARY PETROLEUM COR	1	0	25110
	SWEETGRASS ARCH	MT	KLABZUBA OIL & GAS, INC.	1	0	16543
	WIND RIVER	WY	BILL BARRETT CORPORATION	1	0	5652
	WIND RIVER	WY	DELTA EXPLORATION COMPANY INC	1	1662	35522
	WIND RIVER	WY	SAGA PETROLEUM CORP. LLC	1	0	20855
Sub-Total				11	126,329	208,021
Evaluate Census or Sample (30 - 399 Wells)	GREEN RIVER	CO	CDX GAS, LLC	1	10830	0
	GREEN RIVER	CO	YATES PETROLEUM CORPORATION	1	83420	0
	GREEN RIVER	WY	BURLINGTON RESOURCES OIL & GAS COMPAN'	1		
	GREEN RIVER	WY	ENCANA OIL & GAS (USA) INC	1		
	GREEN RIVER	WY	EOG RESOURCES INC	1	1900	67426
	GREEN RIVER	WY	MERIT ENERGY COMPANY	1		
	GREEN RIVER	WY	SAMSON RESOURCES COMPANY	1	445	21411
	GREEN RIVER	WY	THOROFARE RESOURCES INC	1	105617	4574
	ILLINOIS	IL	BPI Industries (USA), Inc.	1		30
	ILLINOIS	IL	DeMier Oil Company	1		905
	ILLINOIS	IL	Egyptian Energies, Inc.	1		440
	ILLINOIS	IL	Geodyne Operating Co.	1		1250
	ILLINOIS	IN	Horizontal Systems Inc.	1		
	Sub-Total				13	202,212
ANADARKO	KS	FOSSIL OPERATING, LL	1	0	18442	
ANADARKO	KS	HUMMON CORPORATION	1	0	13375	
ANADARKO	OK	ALLEN MICHAEL	1	0	6833	
ANADARKO	OK	ALTEX ENERGY CORPORATION	1	0	152865	
ANADARKO	OK	BARRETT JOE B	1	0	2415	
ANADARKO	OK	BIXLER CHAD JR	1	0	6869	
ANADARKO	OK	BLACKJACK SUPPLY COMPANY	1	0	8919	
ANADARKO	OK	BRATCO INC	1	0	251	
ANADARKO	OK	CENTREX OPERATING COMPANY	1	0	1452	
ANADARKO	OK	COE PRODUCTION COMPANY LLC	1	0	1343	
ANADARKO	OK	CORY KENNETH W LTD	1	0	281	
ANADARKO	OK	D & J OIL COMPANY INC	1	0	7954	
ANADARKO	OK	DYNE EXPLORATION COMPANY	1	0	1550	
ANADARKO	OK	EAKIN EXPLORATION INC	1	0	2892	
ANADARKO	OK	FLEETWOOD K PHIL OIL PROP LLC	1	0	60240	
ANADARKO	OK	GLENN SUPPLY COMPANY INC	1	0	60	
ANADARKO	OK	GREENWOOD OIL COMPANY	1	0	7686	
ANADARKO	OK	H & H OIL COMPANY	1	0	8564	
ANADARKO	OK	HARRISON OIL & GAS INC	1	0	6610	

Table 4a. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 1 Well)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	ANADARKO	OK	L & H ENERGY INC	1	0	137
	ANADARKO	OK	LAPETCO INC	1	0	1598
	ANADARKO	OK	MAHALO ENERGY (USA) INC	1	0	10347
	ANADARKO	OK	MARION CORPORATION	1	0	10910
	ANADARKO	OK	MAYABB OIL COMPANY INC	1	0	9699
	ANADARKO	OK	NADEL AND GUSSMAN LLC	1	0	0
	ANADARKO	OK	PHOENIX ENTERPRISES CORP	1	0	641
	ANADARKO	OK	PONTOTOC PRODUCTION COMPANY INC	1	0	2299
	ANADARKO	OK	POWER OIL COMPANY	1	0	1945
	ANADARKO	OK	PRICE OPERATING COMPANY INC	1	0	5850
	ANADARKO	OK	ROCKFORD CBM LLC	1	0	16277
	ANADARKO	OK	SELBY LARRY MONROE	1	0	6204
	ANADARKO	OK	STITES ENERGY LLC	1	0	12480
	ANADARKO	OK	STP CHEROKEE INC	1	0	8492
	ANADARKO	OK	SUNDAY-SMITH MARY E	1	0	20326
	ANADARKO	OK	TEC RESOURCES LLC	1	0	1452
	ANADARKO	OK	WISHCO OIL & SERVICES LLC	1		
	ANADARKO	OK	WN OPERATING INC	1	0	5878
	APPALACHIAN	PA	EQUITABLE RESOURCES INC	1		
	APPALACHIAN	PA	HENDERSON MINING CO	1		
	APPALACHIAN	PA	KINLOCH DEV CORP	1		
	APPALACHIAN	PA	KRIEBEL MINERALS INC	1		
	APPALACHIAN	PA	LAHD ENERGY INC	1		
	APPALACHIAN	PA	MAY ENERGY INC	1		
	APPALACHIAN	PA	PC EXPLORATION INC	1		
	APPALACHIAN	PA	PENNECO OIL CO INC	1		
	APPALACHIAN	PA	PHILLIPS PROD CO	1		
	APPALACHIAN	PA	RIDGEVIEW GAS CO	1		
	APPALACHIAN	PA	SNYDER BROS INC	1		
	APPALACHIAN	PA	US BUR OF MINES	1		
	APPALACHIAN	PA	WAYNESBURG COLL	1		
	APPALACHIAN	PA	WAYNESBURG ENERGY GROUP	1		
	APPALACHIAN	WV	ENERGY SEARCH INC.	1	0	782
	APPALACHIAN	WV	NORTHWEST FUEL DEVELOPMENT INC	1		534
	ARKOMA	OK	ARKOMA GAS COMPANY	1	0	36
	ARKOMA	OK	BC OPERATING INC	1		
Sample (400 or More Wells)	ARKOMA	OK	BP AMERICA PRODUCTION COMPANY	1	0	38054
	ARKOMA	OK	COASTAL PLAINS ENERGY INC	1	0	4508
	ARKOMA	OK	DYNE EXPLORATION COMPANY	1	0	3569
	ARKOMA	OK	FITKIN PETROLEUM CORPORATION	1	0	41702
	ARKOMA	OK	GLENN SUPPLY COMPANY INC	1	0	5564
	ARKOMA	OK	HALGAS INC	1	0	60199
	ARKOMA	OK	KLABZUBA OIL & GAS, INC.	1	0	22385
	ARKOMA	OK	LEFCO RESOURCES LLC	1	0	13407
	ARKOMA	OK	NADEL AND GUSSMAN LLC	1		
	ARKOMA	OK	NJRE OPERATING COMPANY	1	0	81297
	ARKOMA	OK	PETROLEUM DEVELOPMENT COMPANY	1	0	748
	ARKOMA	OK	PRIMEXX OPERATING CORPORATION	1	0	5345
	ARKOMA	OK	SJM INC	1	0	122
	ARKOMA	OK	TENNECO OIL COMPANY	1	0	1293

Table 4a. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 1 Well)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	ARKOMA	OK	WHITMAR EXPLORATION COMPANY	1	0	13767
	BLACK WARRIOR	AL	AROC (TEXAS), INC.	1	0	13644
	BLACK WARRIOR	AL	JUSTISS OIL CO., INC.	1	9762	81391
	BLACK WARRIOR	AL	NATURAL GAS & OIL, INC.	1	105	11414
	CHEROKEE/FOREST CITY	KS	3 B ENERGY INC	1	0	13003
	CHEROKEE/FOREST CITY	KS	ARENA RESOURCES INC	1	0	28923
	CHEROKEE/FOREST CITY	KS	BOOM CO.	1	0	7286
	CHEROKEE/FOREST CITY	KS	CLEAR CREEK EXPLORAT	1	0	47
	CHEROKEE/FOREST CITY	KS	DARK TREASURES OIL &	1	0	1602
	CHEROKEE/FOREST CITY	KS	DEVON SFS OPERATING,	1	0	14514
	CHEROKEE/FOREST CITY	KS	DORADO GAS RESOURCES	1	0	21615
	CHEROKEE/FOREST CITY	KS	G & J OIL COMPANY, I	1	0	4747
	CHEROKEE/FOREST CITY	KS	GATOR ENERGY LLC	1	0	0
	CHEROKEE/FOREST CITY	KS	GEO OIL & GAS SERVIC	1	0	7268
	CHEROKEE/FOREST CITY	KS	JONES & BUCK DEVELOP	1	0	19848
	CHEROKEE/FOREST CITY	KS	LAYNE ENERGY SYCAMOR	1	0	13730
	CHEROKEE/FOREST CITY	KS	STAGECOACH E & P, LL	1	0	5603
	CHEROKEE/FOREST CITY	KS	STP, INC.	1	0	2502
	CHEROKEE/FOREST CITY	KS	SUNWEST PETROLEUM IN	1	0	0
	CHEROKEE/FOREST CITY	KS	TWIN VALLEY ENTERPRI	1	0	0
	CHEROKEE/FOREST CITY	KS	USX OPERATING CO INC	1	0	3464
	CHEROKEE/FOREST CITY	KS	VERDE OIL COMPANY	1	0	2420
	CHEROKEE/FOREST CITY	KS	WILLIS ENERGY	1	0	10427
	POWDER RIVER	MT	NANCE PETROLEUM CORPORATION	1	26694	0
	POWDER RIVER	WY	BETA OIL & GAS INC	1	12701	8181
	POWDER RIVER	WY	BLACK HILLS EXPLORATION AND PRODUCTION	1	78597	0
	POWDER RIVER	WY	COOK D L	1	0	5450
	POWDER RIVER	WY	COX KENDALL JAY	1	0	12
	POWDER RIVER	WY	FANCHER OIL LLC	1	116656	0
	POWDER RIVER	WY	HORN TOM PARTNERS LLC	1	20	0
	POWDER RIVER	WY	TRUE OIL LLC	1	4908	188
	RATON	CO	EDWARDS ENERGY CORPORATION	1	0	852
	SAN JUAN	CO	BIG RUN PRODUCTION COMPANY	1	7005	134026
	SAN JUAN	CO	MERRION OIL & GAS CORP	1		
	SAN JUAN	NM	D J SIMMONS INC	1	42	118043
	SAN JUAN	NM	KIMBELL OIL CO OF TEXAS	1	0	4215
	SAN JUAN	NM	ROCANVILLE CORP	1		
	SAN JUAN	NM	TURNER PRODUCTION CO	1	0	1086
	UINTA-PICEANCE	CO	BLACK HILLS EXPLORATION AND PRODUCTION	1	0	6303
	UINTA-PICEANCE	CO	CHEVRON U S A INC	1	16049	29436
	UINTA-PICEANCE	CO	NATIONAL FUEL CORPORATION	1	0	88242
	UINTA-PICEANCE	CO	PIONEER NATURAL RESOURCES USA INC	1	6703	6473
	UINTA-PICEANCE	CO	QUANTUM RESOURCES MANAGEMENT LLC	1	267	20362
	UINTA-PICEANCE	CO	SG INTERESTS I LTD	1		
Sub-Total				113	279,509	1,402,765

Table 4b. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 2 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)	
Census (< 30 Wells)	TEXAS GULF COAST	TX	CMR ENERGY, L.P.	2	11790	4530	
	WIND RIVER	WY	BURLINGTON RESOURCES OIL & GAS COMPANY LP	2	14734	280069	
	Sub-Total			4	26,524	284,599	
Evaluate Census or Sample (30 - 399 Wells)	GREEN RIVER	WY	HUDSON GROUP LLC	2	278217	0	
	GREEN RIVER	WY	YATES PETROLEUM CORPORATION	2	7421	184262	
	ILLINOIS	IN	Energy Conversion Corp.	2			
	ILLINOIS	IN	Petro Halogen	2			
	ILLINOIS	IN	Trident Petroleum Corp.	2			
Sub-Total				10	285,638	184,262	
Sample (400 or More Wells)	ANADARKO	OK	BROWER OIL & GAS CO INC	2	0	51412	
	ANADARKO	OK	CANNON ENERGY INC	2	0	4748	
	ANADARKO	OK	CONCORDE RESOURCE CORPORATION	2	0	9420	
	ANADARKO	OK	LANDMARK ENERGY LLC	2	0	20284	
	ANADARKO	OK	LISTON V DEAN	2	0	23867	
	ANADARKO	OK	PERFORMANCE ENERGY PARTNERS LLC	2	0	24523	
	ANADARKO	OK	PUTNAM ROY D	2	0	16826	
	APPALACHIAN	PA	WESTINGHOUSE ELEC CO LLC	2			
	APPALACHIAN	VA	PENN VIRGINIA OIL & GAS CORP.	2	0	2865	
	APPALACHIAN	WV	EAST RESOURCES, INC.	2	0	677	
	APPALACHIAN	WV	SENECA-UPSHUR PETROLEUM	2	0	5220	
	ARKOMA	AR	XTO ENERGY INC	2	0	176605	
	ARKOMA	OK	J B DRILLING COMPANY	2	0	24328	
	ARKOMA	OK	MARBET LLC	2	0	4392	
	ARKOMA	OK	MONARCH ENERGY COMPANY LLC	2	0	13258	
	ARKOMA	OK	ORION EXPLORATION LLC	2	0	31774	
	ARKOMA	OK	WYNN-CROSBY OPERATING LP	2	0	21336	
	BLACK WARRIOR	AL	LAND & NATURAL RESOURCE DEVELOPMENT, INC.	2	715	39779	
	CHEROKEE/FOREST CITY	KS	AKAWA NATURAL GAS, L	2	0	6051	
	CHEROKEE/FOREST CITY	KS	JONES, STEVEN C	2			
	CHEROKEE/FOREST CITY	KS	SHAWNEE OIL & GAS, L	2	0	45433	
	POWDER RIVER	WY	MERRIMAC OIL & GAS LLC	2	34422	46380	
	POWDER RIVER	WY	OILFIELD SALVAGE & SERVICE COMPANY	2	0	317	
	POWDER RIVER	WY	OPES PRODUCTION INC	2	54312	31996	
	POWDER RIVER	WY	TREND EXPLORATION I LLC	2	149757	8760	
	SAN JUAN	CO	SG INTERESTS I LTD	2	17032	284401	
	SAN JUAN	NM	BASIN MINERALS OPERATING COMPANY	2	261	12553	
	SAN JUAN	NM	CDX RIO, LLC	2	2156	66015	
	SAN JUAN	NM	CHAPARRAL OIL & GAS CO	2	0	15009	
	SAN JUAN	NM	RC RESOURCES CORP	2	156	38771	
	SAN JUAN	NM	SUSAN SULLIVAN DBA LIZARD PRODUCTION	2	0	1802	
	SAN JUAN	NM	YATES PETROLEUM CORPORATION	2	94280	64319	
	UINTA-PICEANCE	CO	BILL BARRETT CORPORATION	2	41	10420	
	UINTA-PICEANCE	CO	DELTA PETROLEUM CORPORATION	2	10837	85120	
	Sub-Total				68	363,969	1,188,661

Table 4c. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 3 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)	
Census (< 30 Wells)	WIND RIVER	WY	ENCANA OIL & GAS (USA) INC	3	294052	493765	
	Sub-Total			3	294,052	493,765	
Evaluate Census or Sample (30 - 399 Wells)	GREEN RIVER	WY	PETROGULF CORPORATION	3	4105	234080	
	GREEN RIVER	WY	PINNACLE GAS RESOURCES INC	3			
	Sub-Total			6	4,105	234,080	
Sample (400 or More Wells)	ANADARKO	OK	B B R OIL CORPORATION	3	0	12648	
	ANADARKO	OK	BELPORT OIL INC	3	0	3479	
	ANADARKO	OK	BUCK CREEK ASSOCIATES	3	0	14692	
	ANADARKO	OK	CENTURY PETROLEUM	3	0	32925	
	ANADARKO	OK	CHESAPEAKE OPERATING INC	3	0	19954	
	APPALACHIAN	OH	CANEST, LLC	3	0	48168	
	APPALACHIAN	PA	DOMINION EXPLORATION & PRODUCTION INC	3			
	APPALACHIAN	WV	DART OIL & GAS CORPORATION	3		3125	
	CHEROKEE/FOREST CITY	KS	CHERRYVALE PIPELINE,	3	0	11662	
	CHEROKEE/FOREST CITY	KS	MERITAGE KCM EXPLORA	3	0	64577	
	CHEROKEE/FOREST CITY	KS	PR OPERATING, LP	3	0	11932	
	CHEROKEE/FOREST CITY	KS	QUEST ENERGY SERVICE	3	0	46405	
	POWDER RIVER	WY	44 MAG PRODUCTION INC	3	30	32206	
	RATON	NM	PENNZENERGY EXPLORATION AND PRODUCTION LLC	3	22797	123962	
	SAN JUAN	CO	MCELVAIN OIL & GAS PROPERTIES	3	29783	268620	
	SAN JUAN	NM	BENSON-MONTIN-GREER DRILLING CORP	3	16504	13155	
	SAN JUAN	NM	EL PAMCO INC	3	3458	113932	
	SAN JUAN	NM	MCKAY OIL & GAS LLC	3	2065	10125	
	SAN JUAN	NM	N M & O OPERATING CO	3	0	6919	
	SAN JUAN	NM	PRO NM ENERGY INC	3	36836	121548	
	SAN JUAN	NM	SCHALK DEVELOPMENT CO	3	21231	308748	
	Sub-Total				63	132,704	1,268,782

Table 4d. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 4-99 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
Census (< 30 Wells)	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	AL	HOLLAND OPERATING COMPANY INC.	5	2730	664
	ARKLA	LA	CHC ENERGY, LLC	10		
	ARKLA	LA	SOUTHWESTERN ENERGY PROD. CO.	10	626414	64734
	ARKLA	LA	GEOMET OPERATING CO., INC.	6	329905	27752
	PERMIAN	TX	DIAMONDBACK OPERATING, LP	6	32232	169034
	WIND RIVER	WY	DEVON ENERGY PRODUCTION COMPANY LP	12	1736190	1020007
	Sub-Total				49	2,727,471
Evaluate Census or Sample (30 - 399 Wells)	GREEN RIVER	WY	BP AMERICA PRODUCTION COMPANY	46	43218	2774606
	GREEN RIVER	WY	DEVON ENERGY PRODUCTION COMPANY LP	25	63764	3731356
	GREEN RIVER	WY	INFINITY OIL & GAS OF WYOMING	17	26351	588376
	GREEN RIVER	WY	CABOT OIL & GAS CORPORATION	15	7618	1462779
	GREEN RIVER	WY	DOUBLE EAGLE PETROLEUM CO	14	5403018	2209590
	GREEN RIVER	CO	PIONEER NATURAL RESOURCES USA INC	5	403020	1995
	GREEN RIVER	WY	WARREN E & P INC	5	4830	130486
	ILLINOIS	IN	Pulse Energy Systems	37		
	ILLINOIS	IL	Grayson Hill Farms, Inc.	12		2187
	ILLINOIS	IN	Hite Operating, Inc.	12		
	ILLINOIS	IL	Hite Operating, Inc.	11		7042
	ILLINOIS	IN	Barger Engineering	11		
	ILLINOIS	IL	USA Coalgas LP	9		900
	ILLINOIS	IN	Robinson Engineering	9		
	ILLINOIS	IL	BPI Energy, Inc.	6		12
	ILLINOIS	IL	Finite Resources, Ltd.	6		1000
	ILLINOIS	IN	Mountain Petroleum	5		
	ILLINOIS	IL	DTE Methane Resources, L.L.C.	4		111
	ILLINOIS	IL	PEABODY NATURAL GAS LLC	4		2300
	ILLINOIS	IN	Hydrocarbon Investments	4		
Sub-Total				257	5,951,819	10,912,740
	ANADARKO	OK	PANOAK OIL & GAS CORPORATION	23	0	224139
	ANADARKO	OK	ECC ENERGY CORPORATION	21	0	82997
	ANADARKO	OK	OKAN GAS COMPANY LLC	21	0	104517
	ANADARKO	OK	CBM GAS COMPANY LLC	19	0	89659
	ANADARKO	OK	ROGERS COUNTY COAL SEAM LLC	18	0	1170479
	ANADARKO	OK	CONSTELLATION ENERGY PARTNERS	16	0	127041
	ANADARKO	OK	PETROHAWK OPERATING COMPANY	16	0	55424
	ANADARKO	OK	ENERGYQUEST MANAGEMENT LLC	14	0	53609
	ANADARKO	OK	ENVIROTEK FUEL SYSTEMS INC	13	0	101466
	ANADARKO	OK	DAVIS OPERATING COMPANY	12	0	91690
	ANADARKO	OK	DEVON ENERGY PRODUCTION COMPANY LP	8	0	240993
	ANADARKO	OK	PATRICK EXPLORATION COMPANY	8	0	96141
	ANADARKO	OK	PERFORMANCE PETROLEUM CO	8	0	122285
	ANADARKO	OK	DFP OIL COMPANY	6	0	43044
	ANADARKO	OK	BRATCO OPERATING COMPANY	4	0	70234
	APPALACHIAN	WV	PENN VIRGINIA OIL & GAS CORP.	68	0	6140506

Table 4d. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 4-99 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	APPALACHIAN	WV	CDX GAS, LLC	55	0	4866632
	APPALACHIAN	PA	COAL GAS RECOVERY LP	43		
	APPALACHIAN	WV	DOMINION EXPLORATION & PRODUCTION INC	43	0	1635262
	APPALACHIAN	WV	EQUITABLE PRODUCTION COMPANY	42	0	528893
	APPALACHIAN	WV	CNX GAS COMPANY LLC	37	0	1296136
	APPALACHIAN	PA	RANGE RESOURCES APPALACHIA LLC	34		
	APPALACHIAN	VA	PINE MOUNTAIN OIL & GAS	22	30877	334940
	APPALACHIAN	OH	LAHD ENERGY INC	19	0	273581
	APPALACHIAN	PA	GREENE ENERGY LLC	17	0	10080
	APPALACHIAN	PA	EMERALD RESOURCES INC	11		
	APPALACHIAN	PA	FOREE OIL CO	10		
	APPALACHIAN	PA	VESSELS COAL GAS INC	10	0	16859
	APPALACHIAN	WV	NORTHPORT PRODUCTION COMPANY	8	0	15861
	APPALACHIAN	PA	ADMIRAL BAY USA INC	7		
	APPALACHIAN	PA	JESMAR ENERGY INC	6	0	62388
	APPALACHIAN	VA	GEOMET OPERATING CO., INC.	6	8847	334151
	APPALACHIAN	PA	CBE INC	5		
	APPALACHIAN	VA	APPALACHIAN ENERGY	5	520	133692
	ARKOMA	OK	DEVON ENERGY PRODUCTION COMPANY LP	99	0	5299896
	ARKOMA	OK	QUESTAR EXPLORATION & PROD CO	80	0	3841158
	ARKOMA	AR	CDX GAS, LLC	45	0	2277592
	ARKOMA	OK	VECTRA CBM LLC	40	0	1178934
	ARKOMA	OK	TAG TEAM RESOURCES LLC	34	0	1347046
	ARKOMA	OK	PETROQUEST ENERGY LLC	30	0	511783
	ARKOMA	OK	CHESAPEAKE OPERATING INC	27	0	584416
	ARKOMA	OK	BROWER OIL & GAS CO INC	23	0	253985
	ARKOMA	OK	MEADE ENERGY CORPORATION	17	0	138097
	ARKOMA	OK	EVANS PRODUCTION COMPANY	12	0	67981
	ARKOMA	OK	DAVIS OPERATING COMPANY	11	0	373865
	ARKOMA	OK	CANAAN RESOURCES LLC	10	0	108430
	ARKOMA	OK	PENN VIRGINIA MC OPERATING CO LLC	10	0	388655
	ARKOMA	OK	O G P OPERATING INC	9	0	271419
	ARKOMA	OK	WILDHORSE OPERATING COMPANY	8	0	44232
	ARKOMA	OK	JACO ENERGY COMPANY INC	7	0	21543
	ARKOMA	OK	ARDMORE PRODUCTION & EXPLORATION CO	6	0	72398
	ARKOMA	OK	BROOKEN PRODUCTION COMPANY LLC	6	0	57376
	ARKOMA	OK	UNIT PETROLEUM COMPANY	6	0	160748
	ARKOMA	OK	CHOCTAW GAS COMPANY	5	0	66428
	ARKOMA	OK	JAY PETROLEUM INC	5	0	56453
	ARKOMA	OK	MUSTANG FUEL CORPORATION	5	0	36256
	ARKOMA	OK	XTO ENERGY INC	5	0	46303
	ARKOMA	OK	CDX GAS, LLC	4	0	205787
	ARKOMA	OK	G M OIL PROPERTIES INC	4	0	142712
	ARKOMA	OK	GALAXY ENERGY	4	0	62640

Table 4d. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 4-99 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	ARKOMA	OK	OASIS OPERATING LLC	4	0	38500
	ARKOMA	OK	PETROHAWK OPERATING COMPANY	4	0	181591
	BLACK WARRIOR	AL	EL PASO E&P COMPANY LP	56	58597	76714
	BLACK WARRIOR	AL	KAVANAUGH ENERGY SERVICES, INC.	15	15093	409492
	CHEROKEE/FOREST CITY	KS	PETROL OIL & GAS, IN	79	0	865912
	CHEROKEE/FOREST CITY	KS	COLT ENERGY INC	43	0	232642
	CHEROKEE/FOREST CITY	KS	RIVER GAS CHANUTE LL	27	0	69731
	CHEROKEE/FOREST CITY	KS	FORT SCOTT METHANE P	26	0	94024
	CHEROKEE/FOREST CITY	KS	OSBORN ENERGY, L.L.C	25	0	176935
	CHEROKEE/FOREST CITY	KS	JONES GAS CORPORATIO	21	0	180774
	CHEROKEE/FOREST CITY	KS	CARROLL ENERGY, LLC	20	0	262173
	CHEROKEE/FOREST CITY	KS	DAKOTA PRODUCTION CO	14	0	117356
	CHEROKEE/FOREST CITY	KS	CHEROKEE WELLS LLC	13	0	86657
	CHEROKEE/FOREST CITY	KS	SEK ENERGY LLC	12	0	53080
	CHEROKEE/FOREST CITY	KS	HEARTLAND OIL & GAS	11	0	58801
	CHEROKEE/FOREST CITY	KS	MIDWEST ENERGY INC	11	0	42937
	CHEROKEE/FOREST CITY	KS	OSAGE RESOURCES L.L.	11	0	74164
	CHEROKEE/FOREST CITY	KS	DAVIS OPERATING COMPANY	6	0	2837
	CHEROKEE/FOREST CITY	KS	ROYE, CHARLES D	6	0	19837
	CHEROKEE/FOREST CITY	KS	PAXTON GRANT, LLC	5	0	3225
	CHEROKEE/FOREST CITY	KS	PRODUCTION MAINTENAN	4	0	40718
	CHEROKEE/FOREST CITY	KS	ROXANNA PIPELINE, IN	4	0	11990
	POWDER RIVER	WY	CONTINENTAL INDUSTRIES LC	94	3033280	238088
	POWDER RIVER	WY	XTO ENERGY INC	82	5126079	193259
	POWDER RIVER	WY	WARREN E & P INC	71	667069	1028388
	POWDER RIVER	WY	PATRIOT PRODUCTION LLC	70	431260	268818
	POWDER RIVER	WY	PEABODY NATURAL GAS LLC	63	1482167	846673
	POWDER RIVER	WY	SOUTHWESTERN PRODUCTION CORPORATION	61	2699378	291341
	POWDER RIVER	WY	MEDALLION EXPLORATION	54	1949809	327402
Sample (400 or More Wells)	POWDER RIVER	WY	TERMO COMPANY THE	50	1580179	917151
	POWDER RIVER	WY	C & H WELL SERVICING INC	38	582196	86063
	POWDER RIVER	WY	REDSTONE RESOURCES INC	37	1224914	501210
	POWDER RIVER	WY	SUNCOR ENERGY (NATURAL GAS) AMERICA INC	37	220077	56404
	POWDER RIVER	WY	BRENNAN ENGINEERING & INSTRUMENTATION	35	1868827	0
	POWDER RIVER	WY	THOMAS OPERATING COMPANY INC	29	267126	319474
	POWDER RIVER	WY	COMET ENERGY SERVICES LLC	28	1819667	247695
	POWDER RIVER	WY	MTG OPERATING COMPANY	28	2088209	139630
	POWDER RIVER	WY	BIG BASIN PETROLEUM LLC	27	2222605	93894
	POWDER RIVER	WY	DNR OIL & GAS INC	27	132690	136102
	POWDER RIVER	WY	WOLVERINE OPERATIONS LLC	26	837175	355469
	POWDER RIVER	WY	PETROX RESOURCES INC	25	2668979	3945980
	POWDER RIVER	WY	NORTHWEST ENERGY LLC	24	745821	122669
	POWDER RIVER	WY	L & J OPERATING INC	23	669698	279923
	POWDER RIVER	WY	CEDAR RESOURCES CORPORATION	20	40044	29163

Table 4d. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 4-99 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	POWDER RIVER	WY	LORAL OPERATING LLC	19	0	60210
	POWDER RIVER	WY	HIGH ENERGY INC	18	426369	165576
	POWDER RIVER	WY	NORTH FINN LLC	18	203970	0
	POWDER RIVER	WY	HIGH PLAINS GAS LLC	17	1098269	8319
	POWDER RIVER	WY	RIM OPERATING INC	16	545531	134477
	POWDER RIVER	WY	MCCARTNEY ENGINEERING LLC	13	285091	0
	POWDER RIVER	WY	SANDS OIL COMPANY INC	13	137973	215377
	POWDER RIVER	WY	DUNCAN OIL INC	11	48588	67334
	POWDER RIVER	WY	FEDERATED OIL & GAS PROPERTIES	11	771330	694055
	POWDER RIVER	WY	BOWDEN ENERGY COMPANY INC	10	0	86815
	POWDER RIVER	WY	PAUPERS DREAM COMPANY	10	99193	0
	POWDER RIVER	WY	FOUNDATION COAL WEST INC	8	260114	268148
	POWDER RIVER	WY	BERENERGY CORPORATION	6	135265	46023
	POWDER RIVER	WY	BOWERS OIL & GAS INC	6	135860	73487
	POWDER RIVER	WY	MAJESTIC PETROLEUM OPERATIONS LLC	6	60750	21194
	POWDER RIVER	WY	COAL CREEK MINERALS LLC	5	8224	87078
	POWDER RIVER	WY	BLAKE PRODUCTION LLC	4	517	22611
	POWDER RIVER	WY	RELIANCE RESOURCES INC	4	0	11246
	RATON	CO	PETROGLYPH ENERGY INC	51	70833969	27606
	RATON	CO	RED RIVER RANCH HOLDINGS LLC	22	1287131	148473
	RATON	CO	PRESKO INC	4	175268	7158
	SAN JUAN	CO	XTO ENERGY INC	95	2660616	21198957
	SAN JUAN	NM	COLEMAN OIL & GAS INC	93	2024960	3899318
	SAN JUAN	NM	KOCH EXPLORATION COMPANY, LLC	87	412242	15732411
	SAN JUAN	NM	POGO PRODUCING (SAN JUAN) COMPANY	73	577869	4371254
	SAN JUAN	NM	CHEVRON MIDCONTINENT, L.P.	69	381502	3929317
	SAN JUAN	CO	BURLINGTON RESOURCES OIL & GAS COMPANY	62	1764	13686369
	SAN JUAN	CO	CONOCOPHILLIPS COMPANY	58	256442	24928591
	SAN JUAN	NM	FOUR STAR OIL & GAS COMPANY	58	242375	4128701
	SAN JUAN	NM	POGO PRODUCING CO	54	376412	1734581
	SAN JUAN	CO	FOUR STAR OIL & GAS COMPANY	53	305715	20308206
	SAN JUAN	NM	KUKUI OPERATING COMPANY	51	162	1221963
	SAN JUAN	NM	ROBERT L BAYLESS PRODUCER LLC	44	92822	3080131
	SAN JUAN	CO	CHEVRON U S A INC	40	730471	8173039
	SAN JUAN	NM	MERRION OIL & GAS CORP	39	236813	3137734
	SAN JUAN	NM	RICHARDSON OPERATING CO	38	0	802526
	SAN JUAN	NM	MARALEX RESOURCES, INC	36	522470	1815314
	SAN JUAN	CO	ENERGEN RESOURCES CORPORATION	31	378962	3480294
	SAN JUAN	NM	SG INTERESTS I LTD	28	50049	532594
	SAN JUAN	CO	CHEVRON MIDCONTINENT, L.P.	26	540698	5284005
	SAN JUAN	CO	ELM RIDGE EXPLORATION COMPANY LLC	25	209269	3914222
	SAN JUAN	NM	PATINA SAN JUAN INCORPORATED	24	67520	710626
	SAN JUAN	NM	BLACK HILLS GAS RESOURCES, INC.	22	19161	287910
	SAN JUAN	NM	WEST LARGO CORP	20	0	1634673

Table 4d. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 4-99 Wells)

Basin Group	Basin	State	Operator	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
	SAN JUAN	NM	MCELVAIN OIL & GAS PROPERTIES	19	52476	914995
	SAN JUAN	NM	GREAT WESTERN DRILLING CO	17	51	316631
	SAN JUAN	NM	M & G DRLG CO INC	16	22317	425879
	SAN JUAN	NM	PEOPLES ENERGY PRODUCTION-TEXAS, L.P.	16	36682	8065460
	SAN JUAN	NM	RUNNING HORSE PRODUCTION CO.	16	125224	365154
	SAN JUAN	NM	RODDY PRODUCTION CO INC	14	6431	759935
	SAN JUAN	NM	ROSETTA RESOURCES OPERATING LP	14	0	300
	SAN JUAN	NM	SYNERGY OPERATING LLC	13	19470	119444
	SAN JUAN	NM	BRECK OPERATING CORP	12	594	497573
	SAN JUAN	CO	MARALEX RESOURCES, INC	9	155317	1051362
	SAN JUAN	NM	MANANA GAS INC	9	28655	909036
	SAN JUAN	CO	PETROGULF CORPORATION	8	58031	2849389
	SAN JUAN	NM	THOMPSON ENGR & PROD CORP	8	1855	223031
	SAN JUAN	NM	REDWOLF PRODUCTION INC	7	3011	91131
	SAN JUAN	CO	BLACK HILLS EXPLORATION AND PRODUCTION	6	14523	1238405
	SAN JUAN	NM	HOLCOMB OIL & GAS INC	6	7855	446278
	SAN JUAN	CO	GOSNEY & SONS INC	5	43499	612862
	SAN JUAN	NM	CAULKINS OIL CO	5	2	57118
	SAN JUAN	NM	CHEVRON U S A INC	5	0	124911
	SAN JUAN	CO	PABLO OPERATING COMPANY	4	24732	630568
	SAN JUAN	NM	LANCE OIL & GAS COMPANY, INC.	4	28730	75816
	UINTA-PICEANCE	CO	WILLIAMS PRODUCTION RMT COMPANY	78	40709	3334861
	UINTA-PICEANCE	UT	KERR-MCGEE OIL & GAS ONSHORE, LP	24	2640071	2129735
	UINTA-PICEANCE	UT	PIONEER NATURAL RESOURCES USA, INC	20	374543	382155
	UINTA-PICEANCE	CO	ENCANA OIL & GAS (USA) INC	15	24955	641648
	UINTA-PICEANCE	CO	PETROGULF CORPORATION	15	67894	978700
	UINTA-PICEANCE	UT	MARATHON OIL COMPANY	15	246050	1789144
	UINTA-PICEANCE	CO	MARALEX RESOURCES, INC	12	6320	72587
	UINTA-PICEANCE	CO	ANTERO RESOURCES PICEANCE CORPORATIO	8	15731	118599
	UINTA-PICEANCE	UT	WHITMAR EXPLORATION COMPANY	7	1546188	392259
	UINTA-PICEANCE	UT	MARION ENERGY, INC.	4	0	29412
	Sub-Total			4,342	124,664,805	229,246,019

Table 4e. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 100-1000 Well)

Basin Size	Basin	State	Operator	Numbers of			Total Water Production (bbls)	Total Water Production (bbls) in Basin	% Water Production in Basin	Total Gas Production (Mcf)	Total Gas Production (Mcf) in Basin	% Gas Production in Basin
				Number of Wells	Wells (Basin)	% Wells in Basin						
30 - 399 Wells	CAHABA	AL	GEOMET, INC.	213	313	68.05%	4,126,757	5,280,298	78.15%	2,400,152	2,755,284	87.11%
	CAHABA	AL	CDX GAS, LLC	100	313	31.95%	1,153,541	5,280,298	21.85%	355,132	2,755,284	12.89%
	GREEN RIVER	WY	ANADARKO E&P COMPANY LP	142	287	49.48%	19,815,062	26,258,836	75.46%	2,616,779	14,027,720	18.65%
Sub-Total				455			25,095,360			5,372,063		
> 400 Wells	ANADARKO	OK	NEWFIELD EXPL MIDCONTINENT INC	333	1,214	27.43%	0	0	NA	2,471,885	11,235,111	22.00%
	ANADARKO	OK	BULLSEYE OPERATING LLC	255	1,214	21.00%	0	0	NA	1,614,975	11,235,111	14.37%
	ANADARKO	OK	QUEST CHEROKEE LLC	214	1,214	17.63%	0	0	NA	2,385,256	11,235,111	21.23%
	ANADARKO	OK	ENDEAVOR ENERGY RESOURCES LP	139	1,214	11.45%	0	0	NA	1,431,363	11,235,111	12.74%
	APPALACHIAN	PA	BELDEN & BLAKE CORP	244	4,421	5.52%	0	2,104,097	0.00%	965,718	94,982,864	1.02%
	APPALACHIAN	PA	CNX GAS COMPANY LLC	221	4,421	5.00%	0	2,104,097	0.00%	163,393	94,982,864	0.17%
	APPALACHIAN	WV	GEOMET OPERATING CO., INC.	187	4,421	4.23%	0	2,104,097	0.00%	4,526,019	94,982,864	4.77%
	ARKOMA	OK	EL PASO E&P COMPANY LP	376	1,420	26.48%	0	0	NA	7,381,185	38,852,542	19.00%
	ARKOMA	OK	WILLIAMS PROD MIDCONTINENT CO	200	1,420	14.08%	0	0	NA	9,350,438	38,852,542	24.07%
	ARKOMA	OK	REDWINE RESOURCES INC	188	1,420	13.24%	0	0	NA	2,218,406	38,852,542	5.71%
	ARKOMA	OK	BEAR PRODUCTION INC	107	1,420	7.54%	0	0	NA	1,502,600	38,852,542	3.87%
	BLACK WARRIOR	AL	EL PASO PRODUCTION CO.	883	4,771	18.51%	5,889,919	55,023,095	10.70%	27,949,003	113,235,078	24.68%
	BLACK WARRIOR	AL	BLACK WARRIOR METHANE CORP.	479	4,771	10.04%	7,591,693	55,023,095	13.80%	14,947,822	113,235,078	13.20%
	BLACK WARRIOR	AL	ROBINSON'S BEND OPERATING II, LLC	479	4,771	10.04%	12,297,051	55,023,095	22.35%	6,752,936	113,235,078	5.96%
	BLACK WARRIOR	AL	SAGA PETROLEUM CORP. LLC	198	4,771	4.15%	1,806,578	55,023,095	3.28%	4,164,000	113,235,078	3.68%
	BLACK WARRIOR	AL	CHEVRON U S A INC	165	4,771	3.46%	237,455	55,023,095	0.43%	2,604,438	113,235,078	2.30%
	CHEROKEE/FOREST CITY	KS	LAYNE ENERGY OPERATI	307	2,311	13.28%	0	0	NA	3,440,148	23,502,841	14.64%
	CHEROKEE/FOREST CITY	KS	DART CHEROKEE BASIN	279	2,311	12.07%	0	0	NA	4,974,283	23,502,841	21.16%
	CHEROKEE/FOREST CITY	KS	BLUE JAY OPERATING,	102	2,311	4.41%	0	0	NA	689,386	23,502,841	2.93%
	CHEROKEE/FOREST CITY	KS	ENERGYQUEST MANAGEMENT LLC	100	2,311	4.33%	0	0	NA	713,025	23,502,841	3.03%
	POWDER RIVER	MT	FIDELITY EXPLORATION & PRODUCTION CO	737	20,172	3.65%	26,354,960	678,567,250	3.88%	11,659,664	385,801,514	3.02%
	POWDER RIVER	WY	FIDELITY EXPLORATION & PRODUCTION CO	728	20,172	3.61%	14,282,441	678,567,250	2.10%	7,432,873	385,801,514	1.93%
	POWDER RIVER	WY	BILL BARRETT CORPORATION	692	20,172	3.43%	23,281,453	678,567,250	3.43%	12,974,404	385,801,514	3.36%
	POWDER RIVER	WY	PETRO-CANADA RESOURCES (USA) INC	614	20,172	3.04%	45,934,696	678,567,250	6.77%	8,068,643	385,801,514	2.09%
	POWDER RIVER	WY	ANADARKO PETROLEUM CORPORATION	569	20,172	2.82%	25,496,568	678,567,250	3.76%	36,445,351	385,801,514	9.45%
	POWDER RIVER	WY	PINNACLE GAS RESOURCES INC	508	20,172	2.52%	12,649,305	678,567,250	1.86%	6,363,188	385,801,514	1.65%
	POWDER RIVER	WY	KENNEDY OIL	503	20,172	2.49%	4,642,474	678,567,250	0.68%	3,157,486	385,801,514	0.82%
	POWDER RIVER	WY	NANCE PETROLEUM CORPORATION	331	20,172	1.64%	22,590,744	678,567,250	3.33%	2,924,343	385,801,514	0.76%
	POWDER RIVER	WY	WINDSOR ENERGY GROUP LLC	311	20,172	1.54%	10,831,564	678,567,250	1.60%	1,793,432	385,801,514	0.46%
	POWDER RIVER	WY	STORM CAT ENERGY (USA) OPERATING CORP	293	20,172	1.45%	9,212,529	678,567,250	1.36%	3,236,953	385,801,514	0.84%
	POWDER RIVER	WY	COLEMAN OIL & GAS INC	274	20,172	1.36%	13,631,198	678,567,250	2.01%	7,431,747	385,801,514	1.93%
	POWDER RIVER	WY	PRIMARY NATURAL RESOURCES INC	264	20,172	1.31%	6,116,208	678,567,250	0.90%	3,362,625	385,801,514	0.87%
	POWDER RIVER	WY	PRB OIL & GAS INC	254	20,172	1.26%	3,996,494	678,567,250	0.59%	1,094,328	385,801,514	0.28%
	POWDER RIVER	WY	HILCORP ENERGY COMPANY	197	20,172	0.98%	2,324,262	678,567,250	0.34%	2,737,735	385,801,514	0.71%
	POWDER RIVER	WY	BLACKSTONE OPERATING INC	169	20,172	0.84%	1,783,973	678,567,250	0.26%	1,446,499	385,801,514	0.37%
	POWDER RIVER	WY	MERIT ENERGY COMPANY	158	20,172	0.78%	15,291,924	678,567,250	2.25%	3,765,880	385,801,514	0.98%
	POWDER RIVER	WY	BLACK DIAMOND ENERGY INC	140	20,172	0.69%	10,517,280	678,567,250	1.55%	1,070,038	385,801,514	0.28%
	POWDER RIVER	MT	PINNACLE GAS RESOURCES INC	139	20,172	0.69%	3,387,413	678,567,250	0.50%	52,241	385,801,514	0.01%
	POWDER RIVER	WY	CITATION OIL & GAS CORPORATION	124	20,172	0.61%	10,771,901	678,567,250	1.59%	2,064,713	385,801,514	0.54%
	POWDER RIVER	WY	PURE PETROLEUM LLC	115	20,172	0.57%	959,440	678,567,250	0.14%	632,056	385,801,514	0.16%
	POWDER RIVER	WY	EMERALD OPERATING COMPANY	110	20,172	0.55%	4,993,890	678,567,250	0.74%	1,044,228	385,801,514	0.27%
	POWDER RIVER	WY	JIMS WATER SERVICE INC	105	20,172	0.52%	3,749,774	678,567,250	0.55%	767,307	385,801,514	0.20%
	POWDER RIVER	WY	ROCKY MOUNTAIN GAS INC	104	20,172	0.52%	5,673,467	678,567,250	0.84%	968,245	385,801,514	0.25%
	RATON	NM	EL PASO E&P COMPANY LP	614	2,736	22.44%	17,264,447	179,563,398	9.61%	26,275,012	121,655,036	21.60%
	RATON	CO	XTO ENERGY INC	258	2,736	9.43%	9,031,622	179,563,398	5.03%	15,542,108	121,655,036	12.78%
	RATON	CO	EL PASO E&P COMPANY LP	110	2,736	4.02%	5,811,175	179,563,398	3.24%	3,644,607	121,655,036	3.00%
	RATON	CO	PETROGULF CORPORATION	110	2,736	4.02%	13,969,770	179,563,398	7.78%	3,722,116	121,655,036	3.06%

Table 4e. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with 100-1000 Well)

Basin Size	Basin	State	Operator	Numbers of			Total Water	Total Water	% Water	Total Gas	Total Gas	% Gas
				Number of Wells	Wells (Basin)	% Wells in Basin	Production (bbbls)	Production (bbbls) in Basin	Production in Basin	Production (Mcf)	Production (Mcf) in Basin	Production in Basin
	SAN JUAN	CO	BP AMERICA PRODUCTION COMPANY	988	6,546	15.09%	15,547,482	42,245,485	36.80%	228,203,193	918,824,720	24.84%
	SAN JUAN	NM	CONOCOPHILLIPS COMPANY	655	6,546	10.01%	2,416,319	42,245,485	5.72%	128,072,451	918,824,720	13.94%
	SAN JUAN	NM	ENERGEN RESOURCES CORPORATION	465	6,546	7.10%	1,032,609	42,245,485	2.44%	35,871,662	918,824,720	3.90%
	SAN JUAN	NM	XTO ENERGY INC	452	6,546	6.90%	2,869,825	42,245,485	6.79%	19,962,997	918,824,720	2.17%
	SAN JUAN	NM	BP AMERICA PRODUCTION COMPANY	307	6,546	4.69%	576,812	42,245,485	1.37%	24,929,649	918,824,720	2.71%
	SAN JUAN	NM	DUGAN PRODUCTION CORP	250	6,546	3.82%	2,389,384	42,245,485	5.66%	4,543,448	918,824,720	0.49%
	SAN JUAN	NM	WILLIAMS PRODUCTION COMPANY, LLC	208	6,546	3.18%	1,687,692	42,245,485	3.99%	34,826,735	918,824,720	3.79%
	SAN JUAN	NM	DEVON ENERGY PRODUCTION COMPANY LP	177	6,546	2.70%	972,571	42,245,485	2.30%	44,926,638	918,824,720	4.89%
	SAN JUAN	CO	SAMSON RESOURCES COMPANY	166	6,546	2.54%	1,626,075	42,245,485	3.85%	31,482,071	918,824,720	3.43%
	SAN JUAN	CO	RED WILLOW PRODUCTION CO	153	6,546	2.34%	1,487,712	42,245,485	3.52%	45,580,393	918,824,720	4.96%
	SAN JUAN	NM	ELM RIDGE EXPLORATION COMPANY LLC	111	6,546	1.70%	6,516	42,245,485	0.02%	1,583,454	918,824,720	0.17%
	UINTA-PICEANCE	UT	CONOCOPHILLIPS COMPANY	495	970	51.03%	10,019,657	23,648,524	42.37%	45,235,412	82,056,576	55.13%
	UINTA-PICEANCE	UT	ANADARKO PETROLEUM CORPORATION	157	970	16.19%	3,440,025	23,648,524	14.55%	19,225,889	82,056,576	23.43%
	UINTA-PICEANCE	UT	XTO ENERGY INC	110	970	11.34%	5,192,484	23,648,524	21.96%	7,479,819	82,056,576	9.12%
	Sub-Total			18,681			401,638,831			941,847,912		

Table 4f. Counts of Wells and Total Production Volume (Gas and Water) by State, Basin, and Operator (Operators with over 1000 Well)

Basin Size	Basin	State	Operator	Number of Wells	Total			Total Water Production (bbls)	Total Water Production (bbls) in Basin	% Water Production in Basin	Total Gas Production (Mcf)	Total Gas Production (Mcf) in Basin	% Gas Production in Basin
					Numbers of Wells (Basin)	% Wells in Basin	% Wells in Basin						
> 400 Wells	APPALACHIAN	VA	CNX GAS COMPANY LLC	2,091	4,421	47.30%	1,559,956	2,104,097	74.14%	53,829,692	94,982,864	56.67%	
	APPALACHIAN	VA	EQUITABLE PRODUCTION COMPANY	1,197	4,421	27.08%	503,897	2,104,097	23.95%	19,787,690	94,982,864	20.83%	
	BLACK WARRIOR	AL	ENERGEN RESOURCES CORPORATION	1,279	4,771	26.81%	20,623,801	55,023,095	37.48%	34,491,095	113,235,078	30.46%	
	BLACK WARRIOR	AL	HIGHMOUNT EXPLORATION AND PRODUCTION	1,212	4,771	25.40%	6,492,326	55,023,095	11.80%	21,693,350	113,235,078	19.16%	
	CHEROKEE/FOREST CITY	KS	QUEST CHEROKEE LLC	1,148	2,311	49.68%	0	0	NA	10,949,147	23,502,841	46.59%	
	POWDER RIVER	WY	WILLIAMS PRODUCTION RMT COMPANY	3,155	20,172	15.64%	114,989,907	678,567,250	16.95%	89,483,163	385,801,514	23.19%	
	POWDER RIVER	WY	LANCE OIL & GAS COMPANY, INC.	2,435	20,172	12.07%	78,393,224	678,567,250	11.55%	34,997,046	385,801,514	9.07%	
	POWDER RIVER	WY	PENNACO ENERGY INCORPORATED	1,799	20,172	8.92%	42,073,817	678,567,250	6.20%	33,706,180	385,801,514	8.74%	
	POWDER RIVER	WY	HUBER J M CORP	1,543	20,172	7.65%	60,258,552	678,567,250	8.88%	37,330,243	385,801,514	9.68%	
	POWDER RIVER	WY	DEVON ENERGY PRODUCTION COMPANY LP	1,471	20,172	7.29%	35,421,051	678,567,250	5.22%	26,880,693	385,801,514	6.97%	
	POWDER RIVER	WY	YATES PETROLEUM CORPORATION	1,167	20,172	5.79%	31,904,351	678,567,250	4.70%	30,389,974	385,801,514	7.88%	
	RATON	CO	PIONEER NATURAL RESOURCES USA INC	1,563	2,736	57.13%	61,167,219	179,563,398	34.06%	72,163,142	121,655,036	59.32%	
	SAN JUAN	NM	BURLINGTON RESOURCES OIL & GAS COMPANY LP	1,234	6,546	18.85%	683,930	42,245,485	1.62%	149,490,728	918,824,720	16.27%	
	Sub-Total				21,294			454,072,031			615,192,143		

Table 5. Counts of Operators with Various Numbers of Wells by State and Basin

Basin Size'	Basin	State	Number of Wells											Total Operators	Total Wells		
			1	2	3	4	5	6-10	11-20	21-50	51-100	100-1000	1000+				
< 30 Wells	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	AL	1	0	0	0	1	0	0	0	0	0	0	0	0	2	6
	ARKLA	LA	1	0	0	0	0	3	0	0	0	0	0	0	0	4	27
	BIG HORN	WY	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	FT. WORTH	TX	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	PERMIAN	TX	0	0	0	0	0	1	0	0	0	0	0	0	0	1	6
	SALINA	KS	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3
	SWEETGRASS ARCH	MT	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TEXAS GULF COAST	TX	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
	WIND RIVER	WY	3	1	1	0	0	0	1	0	0	0	0	0	0	6	20
	Sub-total			11	2	1	0	1	4	1	0	0	0	0	0	20	67
30 - 399 Wells	CAHABA	AL	0	0	0	0	0	0	0	0	1	1	0	0	2	313	
	GREEN RIVER	CO	2	0	0	0	1	0	0	0	0	0	0	0	3	7	
	GREEN RIVER	WY	6	2	2	0	1	0	3	2	1	0	0	0	17	280	
	ILLINOIS	IL	4	0	0	2	0	3	2	0	0	0	0	0	11	56	
	ILLINOIS	IN	1	3	0	1	1	1	2	1	0	0	0	0	10	85	
Sub-total			13	5	2	3	3	4	7	3	2	1	0	43	741		
> 400 Wells	ANADARKO	KS	2	0	0	0	0	0	0	0	0	0	0	0	2	2	
	ANADARKO	OK	35	7	5	1	0	4	7	3	0	4	0	0	66	1,212	
	APPALACHIAN	OH	0	0	1	0	0	0	1	0	0	0	0	0	2	22	
	APPALACHIAN	PA	14	1	1	0	1	4	2	2	0	2	0	0	27	627	
	APPALACHIAN	VA	0	1	0	0	1	1	0	1	0	0	2	0	6	3,323	
	APPALACHIAN	WV	2	2	1	0	0	1	0	3	2	1	0	0	12	449	
	ARKOMA	AR	0	1	0	0	0	0	0	1	0	0	0	0	2	47	
	ARKOMA	OK	17	5	0	5	4	8	3	5	2	4	0	0	53	1,373	
	BLACK WARRIOR	AL	3	1	0	0	0	0	1	0	1	5	2	0	13	4,771	
	CHEROKEE/FOREST CITY	KS	19	3	4	2	1	2	7	5	2	3	1	0	49	2,311	
	POWDER RIVER	MT	1	0	0	0	0	0	0	0	0	2	0	0	3	877	
	POWDER RIVER	WY	7	4	1	2	1	6	10	14	7	21	6	0	79	19,295	
	RATON	CO	1	0	0	1	0	0	0	1	1	3	1	0	8	2,119	
	RATON	NM	0	0	1	0	0	0	0	0	0	1	0	0	2	617	
	SAN JUAN	CO	2	1	1	1	1	3	0	4	4	3	0	0	20	1,736	
	SAN JUAN	NM	4	6	6	1	2	4	10	7	7	8	1	0	56	4,810	
	UINTA-PICEANCE	CO	6	2	0	0	0	1	3	0	1	0	0	0	13	138	
UINTA-PICEANCE	UT	0	0	0	1	0	1	2	1	0	3	0	0	8	832		
Sub-total			113	34	21	14	11	35	46	47	27	60	13	421	44,561		
Total	Total		137	41	24	17	15	43	54	50	29	61	13	484	45,369		

Table 6. Counts of Operators with Various Numbers of Wells by Basin

Basin Size	Basin	1	2	3	4	5	6-10	11-20	21-50	51-100	100-1000	1000+	Total Operators	Total Wells
< 30 Wells	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	1	0	0	0	1	0	0	0	0	0	0	2	6
	ARKLA	1	0	0	0	0	3	0	0	0	0	0	4	27
	BIG HORN	1	0	0	0	0	0	0	0	0	0	0	1	1
	FT. WORTH	1	0	0	0	0	0	0	0	0	0	0	1	1
	PERMIAN	0	0	0	0	0	1	0	0	0	0	0	1	6
	SALINA	3	0	0	0	0	0	0	0	0	0	0	3	3
	SWEETGRASS ARCH	1	0	0	0	0	0	0	0	0	0	0	1	1
	TEXAS GULF COAST	0	1	0	0	0	0	0	0	0	0	0	1	2
	WIND RIVER	3	1	1	0	0	0	1	0	0	0	0	6	20
Sub-total		11	2	1	0	1	4	1	0	0	0	0	20	67
30 - 399 Wells	CAHABA	0	0	0	0	0	0	0	0	1	1	0	2	313
	GREEN RIVER	8	2	2	0	2	0	3	2	1	0	0	20	287
	ILLINOIS	5	3	0	3	1	4	4	1	0	0	0	21	141
	Sub-total	13	5	2	3	3	4	7	3	2	1	0	43	741
> 400 Wells	ANADARKO	37	7	5	1	0	4	7	3	0	4	0	68	1,214
	APPALACHIAN	16	4	3	0	2	6	3	6	2	3	2	47	4,421
	ARKOMA	17	6	0	5	4	8	3	6	2	4	0	55	1,420
	BLACK WARRIOR	3	1	0	0	0	0	1	0	1	5	2	13	4,771
	CHEROKEE/FOREST CITY	19	3	4	2	1	2	7	5	2	3	1	49	2,311
	POWDER RIVER	8	4	1	2	1	6	10	14	7	23	6	82	20,172
	RATON	1	0	1	1	0	0	0	1	1	4	1	10	2,736
	SAN JUAN	6	7	7	2	3	7	10	11	11	11	1	76	6,546
	UINTA-PICEANCE	6	2	0	1	0	2	5	1	1	3	0	21	970
Sub-total	113	34	21	14	11	35	46	47	27	60	13	421	44,561	
Total		137	41	24	17	15	43	54	50	29	61	13	484	45,369

Table 7. Counts of Wells with Various Gas-to-Water Production Ratios, by Basin

Basin Group	Basin	Neg.	Missing	Gas-to-Water Production Ratio						Total
				0	0-2	2-10	11-20	20-50	50+	
Census (< 30 Wells)	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	0	2	0	4	0	0	0	0	6
	ARKLA	0	18	0	9	0	0	0	0	27
	BIG HORN	0	0	0	1	0	0	0	0	1
	FT. WORTH	0	0	0	0	1	0	0	0	1
	PERMIAN	0	0	0	2	2	0	1	1	6
	SALINA	0	3	0	0	0	0	0	0	3
	SWEETGRASS ARCH	0	1	0	0	0	0	0	0	1
	TEXAS GULF COAST	0	0	0	2	0	0	0	0	2
	WIND RIVER	0	2	0	10	3	1	2	2	20
Sub-Total		0	26	0	28	6	1	3	3	67
Evaluate	CAHABA	0	49	0	194	63	7	0	0	313
Census or Sample (30 - 399 Wells)	GREEN RIVER	0	62	33	99	5	7	21	60	287
	ILLINOIS	0	141	0	0	0	0	0	0	141
	Sub-Total	0	252	33	293	68	14	21	60	741
Sample (400 or More Wells)	ANADARKO	0	1,214	0	0	0	0	0	0	1,214
	APPALACHIAN	6	1,922	0	44	410	372	617	1,050	4,421
	ARKOMA	0	1,420	0	0	0	0	0	0	1,420
	BLACK WARRIOR	0	436	0	1,313	1,410	544	560	508	4,771
	CHEROKEE/FOREST CITY	0	2,311	0	0	0	0	0	0	2,311
	POWDER RIVER	0	4,556	1,958	10,305	2,331	405	274	343	20,172
	RATON	0	177	50	1,207	802	247	169	84	2,736
	SAN JUAN	0	1,193	1	448	759	521	701	2,923	6,546
	UINTA-PICEANCE	0	37	0	200	318	134	135	146	970
Sub-Total	6	13,266	2,009	13,517	6,030	2,223	2,456	5,054	44,561	
Total		6	13,544	2,042	13,838	6,104	2,238	2,480	5,117	45,369

Table 8. Counts of Wells with Various Ages, by Basin

Basin Group	Basin	Age (In Months) of Wells							Total
		Missing	0-24	25-48	49-72	73-120	121-240	241+	
Census (< 30 Wells)	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	3	2	0	1	0	0	0	6
	ARKLA	0	21	5	1	0	0	0	27
	BIG HORN	0	0	1	0	0	0	0	1
	FT. WORTH	0	0	0	1	0	0	0	1
	PERMIAN	0	0	4	2	0	0	0	6
	SALINA	0	0	1	2	0	0	0	3
	SWEETGRASS ARCH	0	0	0	0	1	0	0	1
	TEXAS GULF COAST	0	0	0	1	1	0	0	2
	WIND RIVER	1	1	11	2	3	1	1	20
Sub-Total	4	24	22	10	5	1	1	67	
Evaluate Census or Sample (30 - 399 Wells)	CAHABA	38	116	139	20	0	0	0	313
	GREEN RIVER	6	63	102	57	37	13	9	287
	ILLINOIS	141	0	0	0	0	0	0	141
	Sub-Total	185	179	241	77	37	13	9	741
Sample (400 or More Wells)	ANADARKO	61	0	167	377	431	76	102	1,214
	APPALACHIAN	767	399	773	679	1,016	774	13	4,421
	ARKOMA	48	7	308	474	389	175	19	1,420
	BLACK WARRIOR	85	306	587	621	609	2,476	87	4,771
	CHEROKEE/FOREST CITY	0	914	930	358	75	32	2	2,311
	POWDER RIVER	398	3,465	4,701	4,337	7,181	87	3	20,172
	RATON	118	318	665	537	888	205	5	2,736
	SAN JUAN	80	636	1,144	779	698	2,725	484	6,546
	UINTA-PICEANCE	8	49	65	114	468	257	9	970
Sub-Total	1,565	6,094	9,340	8,276	11,755	6,807	724	44,561	
Total	1,754	6,297	9,603	8,363	11,797	6,821	734	45,369	

Table 9. Counts of Wells and Total Production Volume (Gas and Water) by Field (within State and Basin)

State	Basin	Field	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
		(N/A)	659		6819988
		AETNA GAS AREA	3571	1765355	77440706
KS	SALINA	ALTOONA	1	0	25110
KS	CHEROKEE/FOREST CITY	ALTOONA EAST	1	0	20424
KS	CHEROKEE/FOREST CITY	APACHE CANYON	10	0	158846
CO	RATON	ARMBRUST	2	0	101511
PA	APPALACHIAN	ARROYO NORTHWEST	5		
KS	ANADARKO	ASHLAND NORTH	1	0	18442
OK	ANADARKO	ASHLAND SOUTH	1	0	4810
OK	ARKOMA	ASHTREE	3	0	66358
PA	APPALACHIAN	AZTEC	10		
NM	SAN JUAN	BAILEYSVILLE	8	16424	164520
WV	APPALACHIAN	BALLARD	19	0	726275
NM	SAN JUAN	BARTLESVILLE-DEWEY	2	107	13893
OK	ANADARKO	BASIN	16	0	188059
NM	SAN JUAN	BAXTER PASS	4478	17017784	493876414
CO	UINTA-PICEANCE	BEHAM	1	6703	6473
PA	APPALACHIAN	BERWIND GAS	1	435	31957
VA	APPALACHIAN	BIG BRANCH GAS	1	2090	51365
CO	GREEN RIVER	BIG GULCH	1	208246	5
WV	APPALACHIAN	BIG SANDY	3	0	13983
AL	BLACK WARRIOR	BIG SANDY CREEK COAL DEGAS.	41	1371791	633818
WV	APPALACHIAN	BLACKSVILLE-CBM	12	0	69513
PA	APPALACHIAN	BLAIRSVILLE	112	0	900028
NM	SAN JUAN	BLANCO	118	44510	4889222
AL	BLACK WARRIOR	BLOWHORN CREEK GAS	1	105	11414
AL	BLACK WARRIOR	BLUE CREEK COAL DEGAS.	1214	3698491	22624369
OK	ARKOMA	BOKOSHE SOUTH	18	0	113865
WY	WIND RIVER	BONNEVILLE	1	0	20855
WV	APPALACHIAN	BRADSHAW	4	0	99786
WV	APPALACHIAN	BRADSHAW-CBM	62	0	1293664
WY	GREEN RIVER	BRADY	2	7485	196277
OK	ARKOMA	BREWER SOUTH	1	0	1023
KS	CHEROKEE/FOREST CITY	BREWSTER	8	0	73975
CO	UINTA-PICEANCE	BRONCO FLATS	2	1219	28528
OK	ARKOMA	BROOKEN	131	0	5273950
AL	BLACK WARRIOR	BROOKWOOD COAL DEGAS.	510	7591246	15960334
OK	ARKOMA	BUFFALO MOUNTAIN	2	0	39424
CO	UINTA-PICEANCE	BUZZARD	1	0	2836
UT	UINTA-PICEANCE	BUZZARD BENCH	110	5192484	7479819
CO	UINTA-PICEANCE	BUZZARD CREEK	1	252	10902
OK	ARKOMA	CABANISS NW	1	0	36
NM	SAN JUAN	CABRESTO CANYON	4	18543	96255
OK	ANADARKO	CALIFORNIA CREEK	12	0	242673
OK	ANADARKO	CALVIN NW	1	0	2299
OK	ARKOMA	CAMERON	14	0	66924
OK	ARKOMA	CANADIAN	42	0	634191
OK	ANADARKO	CANARY	31	0	190801
NM	SAN JUAN	CARRACAS	1	0	20263
NM	RATON	CASTLE ROCK PARK	172	3845792	15981027
UT	UINTA-PICEANCE	CASTLEGATE	20	374543	382155
AR	ARKOMA	CECIL	2	0	176605
AL	BLACK WARRIOR	CEDAR COVE COAL DEGAS.	514	8365855	13819103
AR	ARKOMA	CHAMBERS	19	0	256197
KS	SALINA	CHEROKEE BASIN COAL AREA	2122	0	21941169
NM	SAN JUAN	CHOZA MESA	4	26	194409
CO	RATON	CLEAR VIEW	1	38579	46649
AR	ARKOMA	CNR HARTFORD	11	0	1012036
WY	POWDER RIVER	COAL CREEK	39	2983928	24158
AL	BLACK WARRIOR	COAL FIRE CREEK GAS	2	715	39779
WY	GREEN RIVER	COAL GULCH	89	116474	8154249
OK	ANADARKO	COFFEYVILLE SOUTH	12	0	109455

Table 9. Counts of Wells and Total Production Volume (Gas and Water) by Field (within State and Basin)

State	Basin	Field	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	COFFEYVILLE-CHERRYVALE	8	0	95808
NM	RATON	COLFAX UNDES	3	22797	123962
LA	ARKLA	COLGRADE, NORTH	6	329905	27752
OK	ANADARKO	COLLINSVILLE	3	0	150325
TX	PERMIAN	COOL WATER RANCH	7	36760	182618
WY	WIND RIVER	COOPER RESERVOIR	1	0	5652
WY	GREEN RIVER	COW CREEK	14	5403018	2209590
OK	ANADARKO	COYLE SOUTH	1	0	152865
LA	ARKLA	CROSSROADS, EAST	1	0	45162
OK	ANADARKO	CURL CREEK	41	0	193013
MT	POWDER RIVER	CX	745	26316232	11660549
MT	POWDER RIVER	DEER CREEK FEE POD	1		
AL	BLACK WARRIOR	DEERLICK CREEK COAL DEGAS.	426	4036999	7378860
OK	ANADARKO	DELAWARE-CHILDERS	34	0	493078
WV	APPALACHIAN	DEMPSEY SCHOOL	1	0	2610
MT	POWDER RIVER	DIETZ	91	541897	27180
CO	UINTA-PICEANCE	DIVIDE CREEK	2		
OK	ANADARKO	DOMES-POND CREEK	1	0	641
WY	POWDER RIVER	DRISCOLL CREEK	1	4908	188
UT	UINTA-PICEANCE	DRUNKARDS WASH	555	10704148	55032647
VA	APPALACHIAN	DUMPS CREEK GAS	2	1371	22968
OK	ANADARKO	DUSTIN	1	0	6610
KS	CHEROKEE/FOREST CITY	EDNA	12	0	160111
VA	APPALACHIAN	ENOCHS BRANCH GAS	2	270	4798
NM	SAN JUAN	FARMER	1	0	6510
NM	SAN JUAN	FLORA VISTA	7	8726	823252
KS	CHEROKEE/FOREST CITY	FOREST CITY COAL GAS AREA	76	0	371857
KS	CHEROKEE/FOREST CITY	FRASIER	1	0	3464
KS	CHEROKEE/FOREST CITY	FREDONIA	2	0	10258
WY	WIND RIVER	FRENCHIE DRAW	1	293818	276304
NM	SAN JUAN	FULCHER KUTZ	32	69805	1619382
WY	WIND RIVER	FULLER RESERVOIR	2	1782	240974
NM	SAN JUAN	GALLEGOS	2	27	2111
NM	SAN JUAN	GAVILAN	3	16504	13155
VA	APPALACHIAN	GLICK-KEEN MTN GAS	481	61308	7719939
NM	SAN JUAN	GOBERNADOR	7	3758	147666
VA	APPALACHIAN	GOODWIN HOLLOW GAS	2	1694	31263
OK	ANADARKO	GOOSE NECK	1	0	13896
CO	UINTA-PICEANCE	GRAND MESA	1	304	84965
CO	UINTA-PICEANCE	GRAND VALLEY	38	20858	1484754
CO	RATON	GRANDE	1	182045	206916
PA	APPALACHIAN	GUMP	5		
AL	CAHABA	GURNEE COAL DEGAS.	313	5280298	2755284
WY	POWDER RIVER	HANGING WOMAN BASIN	1		
NM	SAN JUAN	HARPER HILL	21	450843	633635
AR	ARKOMA	HARTFORD	15	0	1009359
WY	GREEN RIVER	HAY RESERVOIR	1		
OK	ANADARKO	HECTOR	2	0	5247
UT	UINTA-PICEANCE	HELPER	146	7187843	13761309
OK	ANADARKO	HILLSIDE SOUTH	1	0	5207
OK	ANADARKO	HOGSHOOTER	30	0	127930
OK	ANADARKO	HOLLOW NW	6	0	90947
VA	APPALACHIAN	HOLLOW POPLAR GAS	2	1003	57268
AL	BLACK WARRIOR	HOLT COAL DEGAS.	55	238742	1835728
PA	APPALACHIAN	HOOVERS RUN	28	0	173473
VA	APPALACHIAN	HORSE BRANCH GAS	2	160	89720
WY	POWDER RIVER	HOUSE CREEK	1	564	12125
CO	UINTA-PICEANCE	HUNTERS CANYON	1	0	88242
VA	APPALACHIAN	HURRICANE BRANCH GAS	105	56701	2922109
VA	APPALACHIAN	HURRICANE FORK GAS	1	0	16568
CO	SAN JUAN	IGNACIO BLANCO	1732	24052983	411582362
VA	APPALACHIAN	JAKES FORK GAS	21	5820	456880
OK	ANADARKO	JAVINE DISTRICT	1	0	16561

Table 9. Counts of Wells and Total Production Volume (Gas and Water) by Field (within State and Basin)

State	Basin	Field	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
PA	APPALACHIAN	JEFFERSON	1		
KS	CHEROKEE/FOREST CITY	JEFFERSON-SYCAMORE	25	0	286817
WY	GREEN RIVER	JONAH	1		
WY	POWDER RIVER	KINGSBURY CREEK	2	55905	5450
OK	ARKOMA	KINTA	563	0	13612490
NM	SAN JUAN	KUTZ	56	221158	1896078
NM	SAN JUAN	LA JARA CANYON	1	32	40117
PA	APPALACHIAN	LAGONDA	1	0	62388
PA	APPALACHIAN	LATROBE	1		
KS	SALINA	LEESBURGH	1	0	10012
OK	ANADARKO	LENAPAH	15	0	119338
CO	RATON	LONG CANYON	108	1321256	5582825
VA	APPALACHIAN	LUCKY BRANCH GAS	7	943	66250
WY	WIND RIVER	MADDEN	2	14734	280069
CO	UINTA-PICEANCE	MAMM CREEK	10	15772	129019
WV	APPALACHIAN	MANN-OCEANA	1	0	3658
WV	APPALACHIAN	MAPLE-WADESTOWN	3	0	24433
OK	ANADARKO	MARLOW DISTRICT	1	0	60240
PA	APPALACHIAN	MAYFIELD	7		
WV	APPALACHIAN	MCGRAW	32	0	439780
VA	APPALACHIAN	MEADE CREEK GAS	3	199	27305
PA	APPALACHIAN	MEHAFFY	1		
CO	GREEN RIVER	MOFFAT	1	56544	527
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	MONROEVILLE	1	104360	6751
KS	CHEROKEE/FOREST CITY	MOREHEAD	5	0	44484
KS	CHEROKEE/FOREST CITY	MOREHEAD NORTHEAST	1	0	19848
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	MOUNDVILLE COAL DEGAS.	5	2730	664
WY	WIND RIVER	MUDDY RIDGE	1	114	12009
PA	APPALACHIAN	MUNSTER	7	0	16859
KS	CHEROKEE/FOREST CITY	NEODESHA	13	0	158655
KS	CHEROKEE/FOREST CITY	NEODESHA EAST	7	0	65295
KS	ANADARKO	NESCATUNGA	1	0	13375
PA	APPALACHIAN	NEW ALEXANDRIA	12		
VA	APPALACHIAN	NORA GAS	293	44193	4220795
OK	ANADARKO	NOWATA-CLAGGETT	15	0	62122
AL	BLACK WARRIOR	OAK GROVE COAL DEGAS.	759	12044945	19325438
OK	ANADARKO	OHELATA	44	0	289205
WY	POWDER RIVER	OEDEKOVEN	1	0	12
NM	SAN JUAN	OJO	6	124	16680
NM	SAN JUAN	OSO	1	160	6413
NM	SAN JUAN	OTERO	9	272	437071
CO	UINTA-PICEANCE	PARACHUTE	29	16308	1304770
WY	GREEN RIVER	PATRICK DRAW	8	12956	440909
AL	BLACK WARRIOR	PETERSON COAL DEGAS.	60	523025	1896108
WY	GREEN RIVER	PICKET LAKE	1	188855	0
OK	ARKOMA	PINE HOLLOW SOUTH	11	0	187109
NM	SAN JUAN	PINON	4	7015	63464
OK	ANADARKO	POLLYANNA	2	0	11221
WY	POWDER RIVER	PORCUPINE	1		
OK	ARKOMA	POTEAU SE	22	0	297961
PA	APPALACHIAN	PRATT	1		
WY	POWDER RIVER	PRB COAL BED	19209	648383804	374055361
WY	POWDER RIVER	PRB COALBED	1		
VA	APPALACHIAN	PRIEST FORK GAS	50	27382	583696
CO	RATON	PURGATOIRE	1	7739	19907
CO	RATON	PURGATOIRE RIVER	1681	149193734	71029510
OK	ANADARKO	QUAPAW	1	0	8564
OK	ARKOMA	QUINTON DISTRICT	11	0	186490
OK	ANADARKO	RAIFORD SE	1	0	1705
OK	ANADARKO	RAMONA	2	0	7332
CO	RATON	RATON	111	4866484	6668811
OK	ARKOMA	REAMS NW	8	0	93475
OK	ARKOMA	REAMS SE	2	0	11466

Table 9. Counts of Wells and Total Production Volume (Gas and Water) by Field (within State and Basin)

State	Basin	Field	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ARKOMA	RED OAK-NORRIS	1	0	38054
PA	APPALACHIAN	RICH HILL	1		
LA	ARKLA	RIVERTON	10	626414	64734
WY	WIND RIVER	RIVERTON DOME	12	1736190	1020007
VA	APPALACHIAN	ROARING FORK GAS	29	1429	359266
AL	BLACK WARRIOR	ROBINSON'S BEND COAL DEGAS.	460	11437416	6502388
WV	APPALACHIAN	ROCKRIDGE	5	0	70649
CO	UINTA-PICEANCE	RUBY	1	1275	25993
CO	UINTA-PICEANCE	RULISON	26	74763	1631525
NM	SAN JUAN	RUSTY	1	41119	1031
TX	TEXAS GULF COAST	SACATOSA	2	11790	4530
CO	RATON	SADDLEBAG	9	617119	620551
OK	ARKOMA	SCPIO NW	14	0	992982
VA	APPALACHIAN	SENG CAMP CREEK GAS	19	34733	561918
OK	ANADARKO	SHADY GROVE SW	1	0	60
PA	APPALACHIAN	SHANNON RUN	1		
CO	UINTA-PICEANCE	SHIRE GULCH	1	0	6303
AL	BLACK WARRIOR	SHORT CREEK COAL DEGAS.	193	1025810	7033281
WY	BIG HORN	SILVER TIP	1	15779	19073
WY	POWDER RIVER	SIMPSON RANCH	1	78597	0
VA	APPALACHIAN	SKEEN CREEK GAS	49	15353	623455
OK	ANADARKO	SKIATOOK	3	0	22062
CO	UINTA-PICEANCE	SKINNER RIDGE	1	16049	29436
CO	UINTA-PICEANCE	SOUTH SHALE RIDGE	6	4341	29916
CO	RATON	SPANISH PEAKS	158	3682392	8298822
OK	ARKOMA	SPIRO SE	16	0	362188
WY	GREEN RIVER	STANDARD DRAW	1	2676	69983
WY	GREEN RIVER	STAR CORRAL	1	1900	67426
OK	ANADARKO	STIDHAM SE	1	0	10347
OK	ANADARKO	STIDHAM SOUTH	1	0	1550
NM	RATON	STUBBLEFIELD CANYON RATON	293	12927959	7638768
OK	ANADARKO	TALALA NORTH	1	0	3133
OK	ANADARKO	TANDY EAST	2	0	51412
NM	SAN JUAN	TAPACITO	6	2619	41355
WV	APPALACHIAN	TEMPORARY	3	0	25502
KS	CHEROKEE/FOREST CITY	THAYER NORTHEAST	1	0	3334
KS	CHEROKEE/FOREST CITY	THAYER SOUTH	6	0	63022
AL	BLACK WARRIOR	THORNTON CREEK COAL DEGAS.	19	859635	250548
CO	RATON	THREE BRIDGES	1	0	852
VA	APPALACHIAN	TRAMMEL GAS	3	436	23668
WY	POWDER RIVER	TUIT DRAW	1	2766	11093
NM	SAN JUAN	TWIN MOUNDS	24	182757	296180
OK	ARKOMA	ULAN EAST	9	0	78085
VA	APPALACHIAN	UNASSIGNED	10	11753	236732
UT	UINTA-PICEANCE	UNDESIGNATED	1	0	7895
WV	APPALACHIAN	UNKNOWN	195	760	9435182
CO	UINTA-PICEANCE	UNNAMED	8	90412	1867831
KS	CHEROKEE/FOREST CITY	VALEDA	11	0	27508
NM	RATON	VAN BREMMER CANYON	149	490696	2655217
CO	UINTA-PICEANCE	VEGA	2	10837	85120
OK	ANADARKO	VERA	5	0	16219
PA	APPALACHIAN	WALTERSBURG	15	0	65298
OK	ANADARKO	WANN	25	0	388724
NM	SAN JUAN	WAW	10	45806	159814
PA	APPALACHIAN	WAYNESBURG	10		
KS	CHEROKEE/FOREST CITY	WAYSIDE-HAVANA	3	0	7723
WY	POWDER RIVER	WC	175	20144858	2890989
NM	SAN JUAN	WC 27N12W9A	1	497	53685
NM	SAN JUAN	WC D3	1	1687	1154
WV	APPALACHIAN	WELCH	1	0	24944
VA	APPALACHIAN	WEST FORK GAS	51	70030	1096573
AL	BLACK WARRIOR	WHITE OAK CREEK COAL DEGAS.	515	3818558	15828875
CO	UINTA-PICEANCE	WHITE RIVER	7	19458	368451

Table 9. Counts of Wells and Total Production Volume (Gas and Water) by Field (within State and Basin)

State	Basin	Field	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ANADARKO	WICEY DISTRICT	7	0	24598
OK	ARKOMA	WILBURTON	2	0	49271
CO	UINTA-PICEANCE	WILDCAT	51	2551626	2601326
NM	SAN JUAN	WILDCAT 30N13W35J	1	54	392
MT	POWDER RIVER	WILDCAT BIG HORN	2	76767	18
MT	SWEETGRASS ARCH	WILDCAT HILL	1	0	16543
VA	APPALACHIAN	WILDCAT HOLLOW GAS	6	6665	39649
NM	SAN JUAN	WILDCAT KIFFEN	1	0	1626
OK	ANADARKO	WIMER	11	0	193905
OK	ANADARKO	WOODY	79	0	292148
AL	BLACK WARRIOR	WOOLBANK CREEK	2	9762	95035
LA	ARKLA	WOOLEN LAKE	10		
Total			45369	1015865359	1809214039

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
		(N/A)	682	0	6943622
		0	867	754589	16249323
			973	0	13092291
KS	CHEROKEE/FOREST CITY	ACO-1	1	0	21082
PA	APPALACHIAN	ADELAIDE	15	0	65298
WY	GREEN RIVER	ALMOND	26	20481	2331567
WY	GREEN RIVER	ALMOND COAL	27	148021	891229
MT	POWDER RIVER	ANDERSON	1		
WY	POWDER RIVER	ANDERSON COAL	2229	36059663	20228636
WY	POWDER RIVER	ANDERSON LOWER COAL	92	3263862	2657835
WY	POWDER RIVER	ANDERSON LOWER-CANYON- COOK COAL	4	369	0
WY	POWDER RIVER	ANDERSON UPPER COAL	1	216096	4800
MT	POWDER RIVER	ANDERSON, CANYON, COOK	1	26694	0
WY	POWDER RIVER	ANDERSON-AND UP-CANYON-CANYON UP-COOK-COOK LOWER	1	65728	4508
WY	POWDER RIVER	ANDERSON-ANDERSON UPPER-CANYON-COOK COAL	3	132442	3537
WY	POWDER RIVER	ANDERSON-CANYON COAL	244	9594485	4613998
WY	POWDER RIVER	ANDERSON-CANYON UPPER-COOK-WALL COAL	9	388670	631283
WY	POWDER RIVER	ANDERSON-CANYON-CANYON UPPER-COOK-COOK LOWER	1	49090	1722
WY	POWDER RIVER	ANDERSON-CANYON-COOK COAL	173	11465826	1530859
WY	POWDER RIVER	ANDERSON-CANYON-COOK-WALL COAL	26	565795	669720
WY	POWDER RIVER	ANDERSON-DIETZ 2 COAL	6	279291	20712
WY	POWDER RIVER	ANDERSON-DIETZ 3 COAL	1	30460	3727
WY	POWDER RIVER	ANDERSON-FELIX-SMITH COAL	13	846466	1
WY	POWDER RIVER	ANDERSON-SMITH-ROLAND-FELIX COAL	5	482099	16
WY	POWDER RIVER	ANDERSON-WALL COAL	11	101941	6057
KS	CHEROKEE/FOREST CITY	ARBUCKEL DOLOMITE	1	0	3830
KS	CHEROKEE/FOREST CITY	ARBUCKLE DOLOMITE	129	0	1617769
OK	ARKOMA	ATOKA	2	0	24674
AR	ARKOMA	ATOKA / HALE	1	0	154671
OK	ANADARKO	B'VILLE SAND,RIVERTON,ROWE	1	0	10323
OK	ANADARKO	B'VILLE,MISS.CHAT,RIVERTON	1	0	2892
OK	ANADARKO	B'VILLE,PERU,MISSISSIPPI CHAT	2	0	3277
WY	POWDER RIVER	BADGER-BIG GEORGE-ANDERSON-CANYON COAL	1	303466	12110
OK	ARKOMA	BARTLESVILLE	38	0	185429
KS	CHEROKEE/FOREST CITY	BARTLESVILLE & MISSISSIPPI	1	0	848
OK	ANADARKO	BARTLESVILLE COAL,RED FORK SAND	1	0	6610
KS	CHEROKEE/FOREST CITY	BARTLESVILLE SAND	1	0	10507
OK	ANADARKO	BARTLESVILLE SAND,MISSISSIPPI	1	0	2403
OK	ANADARKO	BARTLESVILLE SAND,ROWE COAL	3	0	20194
OK	ANADARKO	BARTLESVILLE SANDSTONE	1	0	9956
KS	CHEROKEE/FOREST CITY	BARTLESVILLE SHALE	1	0	1505
OK	ANADARKO	BARTLESVILLE, MULKEY	6	0	43044
OK	ANADARKO	BARTLESVILLE, PERU	1	0	3509
KS	CHEROKEE/FOREST CITY	BARTLESVILLE, ROWE	1	0	5341
KS	CHEROKEE/FOREST CITY	BARTLESVILLE, ROWE, & RIVERTON	1	0	4257
OK	ANADARKO	BARTLESVILLE,MISSISSIPPI	1	0	6204
OK	ANADARKO	BARTLESVILLE,RIVERTON,MULKY,ROWE	3	0	36745
OK	ANADARKO	BARTLESVILLE,ROWE	2	0	2227
OK	ANADARKO	BARTLESVILLE,ROWE COAL,BURGESS	2	0	12601
OK	ANADARKO	BARTLESVILLE/ROWE	1	0	1881
OK	ANADARKO	BARTLSVILLE,MISS,SQUIR.	1	0	0
OK	ARKOMA	BASAL ATOKA	1	0	748
OK	ARKOMA	BASAL ATOKA(SPIRO),HARTSHORNE	3	0	21222
WV	APPALACHIAN	BECKLEY COAL=WAR CK	3	0	90781
WV	APPALACHIAN	BECKLEY LO SPLT COAL	2	0	37798
KS	CHEROKEE/FOREST CITY	BEVIER COAL BED, BARTLESVILLE	1	0	7286
KS	CHEROKEE/FOREST CITY	BEVIER COAL, MINERAL COAL, MULKY COAL	1	0	19778
KS	CHEROKEE/FOREST CITY	BEVIER, CROWEBERG/FLEMING/ROWE/RIVERTON	1	0	18661
OK	ANADARKO	BEVIER,IRONPOST,MULKY,SUMMIT	1	0	4154
OK	ANADARKO	BG LME,BRTLSVL,MULKY COAL,ROWE COAL	4	0	8055
WY	POWDER RIVER	BIG GEORGE COAL	4631	227835220	158115213
WY	POWDER RIVER	BIG GEORGE LOWER COAL	40	963377	285280
WY	POWDER RIVER	BIG GEORGE MIDDLE COAL	1	34790	19817
WY	POWDER RIVER	BIG GEORGE UPPER COAL	23	2175712	1786223
WY	POWDER RIVER	BIG GEORGE UPPER-BIG GEORGE LOWER COAL	11	187212	580
WY	POWDER RIVER	BIG GEORGE-BIG GEORGE LOWER COAL	1	9951	746
WY	POWDER RIVER	BIG GEORGE-CANYON COAL	27	316523	139039
WY	POWDER RIVER	BIG GEORGE-KAYCEE COAL	36	363488	2015
WY	POWDER RIVER	BIG GEORGE-SMITH COAL	3	39266	260
WY	POWDER RIVER	BIG GEORGE-WYODAK COAL	57	3002226	340287
WY	GREEN RIVER	BIG RED COAL	3		
UT	UINTA-PICEANCE	BLACKHAWK	16	338709	328441
PA	APPALACHIAN	BLAIRTOWN	10		
WY	POWDER RIVER	BLUE COAL	5	145626	71478

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
VA	APPALACHIAN	BLUESTONE	228	59614	3349056
OK	ARKOMA	BOOCH	11	0	52492
OK	ARKOMA	BOOCH - HARTSHORNE	1	0	17430
OK	ARKOMA	BOOCH COAL,HARTSHORNE COAL	1	0	3686
OK	ARKOMA	BOOCH, HARTSHORNE	3	0	41235
OK	ARKOMA	BOOCH, HARTSHORNE COAL	1	0	15965
OK	ARKOMA	BOOCH,HARTSHORNE	7	0	81769
OK	ARKOMA	BOOCH,HARTSHORNE COAL	3	0	99665
OK	ARKOMA	BOOCH,UPP. BOOCH	1	0	23520
OK	ARKOMA	BOOCH,UPPER BOOCH	1	0	10832
PA	APPALACHIAN	BRENIZER	12		
WY	POWDER RIVER	BREWSTER-ARNOLD	3	76931	20
WY	POWDER RIVER	BREWSTER-ARNOLD-KNOBLOCH COAL	25	683600	328
PA	APPALACHIAN	BRINKER RUN	1		
PA	APPALACHIAN	BRINKERTON	4		
PA	APPALACHIAN	BULLDOG RUN	24	0	173473
OK	ANADARKO	BURGESS	8	0	78931
OK	ANADARKO	BURGESS, BARTLESVILLE	1	0	3674
OK	ANADARKO	BURGESS,PRUE	3	0	14692
OK	ANADARKO	BURGESS,ROWE,MULKY,IRONPOST	3	0	6194
OK	ANADARKO	BURGESS,TUCKER,ROWE	1	0	255809
OK	ANADARKO	BURGESS/ROWE	1	0	2886
OK	ANADARKO	BURGESS;MULKY,IRONPOST	1	0	3918
WY	POWDER RIVER	CACHE COAL	5	130555	3244
WY	POWDER RIVER	CACHE-PAWNEE COAL	4	112783	34166
CO	UINTA-PICEANCE	CAMEO COAL	22	14398	232215
PA	APPALACHIAN	CAMPBELLS MILL	112	0	900028
WY	POWDER RIVER	CANYON COAL	1636	37004901	16316624
WY	POWDER RIVER	CANYON LOWER COAL	294	6348070	4490424
WY	POWDER RIVER	CANYON LOWER-CANYON UPPER-ANDERSON COAL	3	96500	36072
WY	POWDER RIVER	CANYON LOWER-COOK	1	50590	31449
WY	POWDER RIVER	CANYON LOWER-GATES-WALL COAL	1	8800	14476
WY	POWDER RIVER	CANYON UPPER COAL	80	4418640	740407
WY	POWDER RIVER	CANYON UPPER-ANDERSON COAL	11	260689	191719
WY	POWDER RIVER	CANYON UPPER-CANYON LOWER COAL	5	117085	104720
WY	POWDER RIVER	CANYON UPPER-CANYON LOWER-COOK COAL	1	13582	10011
MT	POWDER RIVER	CANYON, COOK	13	123895	1896
WY	POWDER RIVER	CANYON-ANDERSON LOWER COAL	2	8704	22801
WY	POWDER RIVER	CANYON-ANDERSON-ANDERSON LOWER COAL	1	59576	0
WY	POWDER RIVER	CANYON-CANYON LOWER- WALL COAL	15	534480	537462
WY	POWDER RIVER	CANYON-CANYON LOWER-ANDERSON COAL	6	73181	52711
WY	POWDER RIVER	CANYON-CANYON LOWER-GATES COAL	2	11178	56727
WY	POWDER RIVER	CANYON-CANYON LOWER-GATES-ANDERSON	15	153876	188463
WY	POWDER RIVER	CANYON-COOK-WALL COAL	1	25706	17183
WY	POWDER RIVER	CANYON-COOK-WALL-PAWNEE COAL	11	170612	16038
WY	POWDER RIVER	CARNEY COAL	506	18603046	12403897
WY	POWDER RIVER	CARNEY LOWER COAL	1	0	13164
MT	POWDER RIVER	CARNEY, MONARCH	1	10914	259
MT	POWDER RIVER	CARNEY, WALL	63	1797527	171310
MT	POWDER RIVER	CARNEY, WALL, CARLSON	1	31150	14
WY	POWDER RIVER	CARNEY- LOWER CARNEY COAL	22	928772	204771
WY	POWDER RIVER	CARNEY-CARNEY LOWER-MONARCH COAL	1	21951	4165
WY	POWDER RIVER	CARNEY-DIETZ 1-SMITH COAL	1	30131	4913
AL	BLACK WARRIOR	CARTER	1	156	24459
UT	UINTA-PICEANCE	CASTLEGATE	1	20624	11572
KS	CHEROKEE/FOREST CITY	CATTLEMAN SAND, WARNER SAND	1	0	14215
TX	TEXAS GULF COAST	CBM OLMOS	2	11790	4530
KS	SALINA	CHASE	1	0	10012
VA	APPALACHIAN	CHATTANOOGA SH	15	2250	230051
KS	CHEROKEE/FOREST CITY	CHEOKEE COALS	1	0	3639
KS	CHEROKEE/FOREST CITY	CHEROKEE	5	0	153218
KS	CHEROKEE/FOREST CITY	CHEROKEE COAL	61	0	1049437
KS	CHEROKEE/FOREST CITY	CHEROKEE COAL BEDS	3	0	34255
KS	CHEROKEE/FOREST CITY	CHEROKEE COALS	132	0	1228962
KS	CHEROKEE/FOREST CITY	CHEROKEE COALS, ROWE	1	0	18819
KS	CHEROKEE/FOREST CITY	CHEROKEE COALS/MISSISSIPPI CHATTANOOGA	1	0	2517
KS	CHEROKEE/FOREST CITY	CHEROKEE COALS/MISSISSIPPIAN	2	0	4128
KS	CHEROKEE/FOREST CITY	CHEROKEE RIVERTON COAL	1	0	3321
OK	ANADARKO	COAL	3	681	49387
OH	APPALACHIAN	COAL - GENERIC	5	0	144555
OK	ANADARKO	COAL SEAM	1	0	2120
KS	CHEROKEE/FOREST CITY	COALS, MISSISSIPPIAN	2	0	25652
KS	CHEROKEE/FOREST CITY	COALS, MISSISSIPPIAN, ARBUCKLE	1	0	101473
CO	RATON	COGCC FORMATION CODE: POCNC	1	212	1617

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
CO	RATON	COGCC FORMATION CODE: RTS-VJ	1		
WY	POWDER RIVER	COOK COAL	726	17091823	8313276
WY	POWDER RIVER	COOK LOWER COAL	80	2150329	1214688
WY	POWDER RIVER	COOK LOWER-WALL	66	3378314	1233211
WY	POWDER RIVER	COOK LOWER-WALL-PAWNEE	137	8600979	4100472
WY	POWDER RIVER	COOK LOWER-WALL-PAWNEE-CACHE COAL	1	42677	6748
WY	POWDER RIVER	COOK UPPER-COOK LOWER COAL	2	100757	51820
WY	POWDER RIVER	COOK UPPER-COOK LOWER- WALL	7	321045	145635
WY	POWDER RIVER	COOK UPPER-COOK LOWER- WALL- PAWNEE	14	612456	249747
MT	POWDER RIVER	COOK, WALL	21	126652	782
WY	POWDER RIVER	COOK-ANDERSON COAL	3	93680	1123
WY	POWDER RIVER	COOK-CANYON COAL	74	3698646	1000088
WY	POWDER RIVER	COOK-CANYON-ANDERSON-SMITH-WALL-PAWNEE COAL	3	30	32206
WY	POWDER RIVER	COOK-WALL COAL	135	7002653	4219910
WY	POWDER RIVER	COOK-WALL UPPER - WALL LOWER-PAWNEE COAL	3	115797	19907
WY	POWDER RIVER	COOK-WALL-PAWNEE COAL	123	5802865	1946930
WY	POWDER RIVER	COOK-WALL-PAWNEE-CACHE COAL	3	76658	19823
WY	POWDER RIVER	COOK-WALL-WALL 3 COAL	72	8407993	1423802
PA	APPALACHIAN	COON ISLAND	1		
OK	ARKOMA	CROMWELL	5	0	50677
OK	ARKOMA	CROMWELL, SPIRO	1		
OK	ARKOMA	CROMWELL,HARTSHORNE	7	0	253372
OK	ARKOMA	CROMWELL,SAVANNA,U&L BOOCH,HARTSHOR	1	0	26183
OK	ARKOMA	CROMWELL,SPIRO	1	0	13122
OK	ANADARKO	CROWBERG	2	0	3411
OK	ANADARKO	CROWBERG/ROWE COAL	1	0	1816
OK	ANADARKO	CROWBERT	1	0	1336
OK	ANADARKO	CROWEBURG COAL	3	0	17834
KS	CHEROKEE/FOREST CITY	CROWEBURG/FLEMING/ROWE	1	0	14803
NM	SAN JUAN	DAKOTA	4	200	24913
WY	POWDER RIVER	DANNAR COAL	17	1922193	812
WY	POWDER RIVER	DIETZ - DIETZ 2 COAL	4	94867	38656
WY	POWDER RIVER	DIETZ 1 AND DIETZ 3 COAL	9	223864	57581
WY	POWDER RIVER	DIETZ 1 COAL	154	3224055	2111192
MT	POWDER RIVER	DIETZ 1, 2, 3	54	1178939	328280
MT	POWDER RIVER	DIETZ 1, DIETZ 2 COALS	17	782851	234144
WY	POWDER RIVER	DIETZ 1-DIETZ 2-DIETZ 3 COAL	2	89770	36254
WY	POWDER RIVER	DIETZ 1-DIETZ 3-CARNEY COAL	3	222523	37047
WY	POWDER RIVER	DIETZ 1-DIETZ 3-MONARCH COAL	2	82313	18210
WY	POWDER RIVER	DIETZ 1-DIETZ 3-SMITH COAL	11		
WY	POWDER RIVER	DIETZ 2 & 3 COAL	195	6169927	5428336
WY	POWDER RIVER	DIETZ 2 & 3 MONARCH COAL	2	84983	39992
WY	POWDER RIVER	DIETZ 2 COAL	150	5015062	2063475
MT	POWDER RIVER	DIETZ 2, DIETZ 3 COALS	39	1953738	355657
WY	POWDER RIVER	DIETZ 3 COAL	339	7339259	5006445
WY	POWDER RIVER	DIETZ 3-MONARCH COAL	15	142991	110883
WY	POWDER RIVER	DIETZ 3-MONARCH-CARNEY COAL	11	463948	253414
WY	POWDER RIVER	DIETZ 3-MONARCH-CARNEY-SMITH COAL	1	21410	207825
MT	POWDER RIVER	DIETZ, MONARCH, CARNEY, WALL	3	6676	12136
PA	APPALACHIAN	DUNKARD FORK	1		
MT	SWEETGRASS ARCH	EAGLE	1	0	16543
WY	POWDER RIVER	EDGERTON COAL	12	473796	118
WY	POWDER RIVER	EDGERTON-MIDWEST COAL	3	27545	0
PA	APPALACHIAN	FAIRGROUND	1		
AL	BLACK WARRIOR	FAYETTE	1	559	15320
WY	POWDER RIVER	FELIX COAL	61	1744001	121250
WY	POWDER RIVER	FELIX-WALL-CANYON U-CANYON L-ANDERSON COAL	1	100542	41661
WY	POWDER RIVER	FELIX-WALL-COOK-CANYON UP-CANYON LO-ANDERSON COAL	1	190784	30591
UT	UINTA-PICEANCE	FERRON SANDSTONE	812	23084475	76281670
WV	APPALACHIAN	FIRE CREEK COAL	4	0	55551
PA	APPALACHIAN	FISH CREEK	10		
MT	POWDER RIVER	FLOWERS-GOODALE COALS	6	308992	143
WY	WIND RIVER	FORT UNION	58	1988140	1098250
WY	WIND RIVER	FORT UNION 3300	1	0	5652
CO	GREEN RIVER	FORT UNION COAL	1	83420	0
AR	ARKOMA	FREIBURG	1	0	21934
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	FRISCO CITY	1	104360	6751
CO	SAN JUAN	FRUITLAND	3	26522	1367220
NM	SAN JUAN	FRUITLAND COAL	6124	40650204	892220776
NM	SAN JUAN	FRUITLAND SAND	27	143813	203070
NM	SAN JUAN	FRUITLAND SAND (G)	1	0	1626
NM	SAN JUAN	FRUITLAND SAND PC	12	151258	232274
NM	SAN JUAN	FRUITLAND SAND, NORTH	1	0	11957
WY	POWDER RIVER	GATES COAL	7	472745	153

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ANADARKO	GILCREASE	1	0	1550
AL	BLACK WARRIOR	GILMER	1	105	11414
OK	ANADARKO	GLENN SAND,CROWEBURG COAL	1	0	60
OK	ARKOMA	HAARTSHORNE COAL SEAM	1	0	20559
OK	ARKOMA	HARSHORNE	1	0	64347
OK	ARKOMA	HARSHORNE COAL SEAM	1	0	10376
OK	ARKOMA	HARSHORNE,MCALESTER,SAVANNA	1	0	6923
OK	ARKOMA	HARTHORNE	1	0	113261
OK	ARKOMA	HARTHSHORNE COAL	2	0	23896
OK	ARKOMA	HARTSORNE	1	0	4873
OK	ARKOMA	HARTS.,HARTS. COAL;HARTS BOOCH	3	0	5646
OK	ARKOMA	HARTSHORE	1	0	10788
OK	ARKOMA	HARTSHORNE	979	0	27574505
OK	ARKOMA	HARTSHORNE MYERS #1-3	2	0	49271
OK	ARKOMA	HARTSHORNE (COAL)	1	0	41275
OK	ARKOMA	HARTSHORNE COAL	141	0	5150303
OK	ARKOMA	HARTSHORNE COAL SEAM	92	0	1337180
OK	ARKOMA	HARTSHORNE COAL, HARTSHORNE	3	0	49045
AR	ARKOMA	HARTSHORNE COAL, LOWER	45	0	2277592
OK	ARKOMA	HARTSHORNE COAL,BOOCH COAL	1	0	7780
OK	ARKOMA	HARTSHORNE COAL,HARTSHORNE	4	0	26805
OK	ARKOMA	HARTSHORNE COAL,MCALESTER COAL	2	0	8551
OK	ARKOMA	HARTSHORNE SAND	1	0	36
OK	ARKOMA	HARTSHORNE SD/SAVANNA COAL(NOT SP)	7	0	30561
OK	ARKOMA	HARTSHORNE SNDSTN, HARTSHORNE COAL	1	0	3974
OK	ARKOMA	HARTSHORNE, BOOCH	1	0	13527
OK	ARKOMA	HARTSHORNE, HRTSHRN COAL	2	0	6960
OK	ARKOMA	HARTSHORNE, MCALESTER,SAVANNA	1	0	16479
OK	ARKOMA	HARTSHORNE, UPPER BOOCH	4	0	39029
OK	ARKOMA	HARTSHORNE,BARTLESVILLE	1	0	20154
OK	ARKOMA	HARTSHORNE,BOOCH	5	0	80783
OK	ARKOMA	HARTSHORNE,COAL SEAM	2	0	16814
OK	ARKOMA	HARTSHORNE,L BOOCH	1	0	1454
OK	ARKOMA	HARTSHORNE,MCALESTER	19	0	351940
OK	ARKOMA	HARTSHORNE,MCALESTER(3)	2	0	12033
OK	ARKOMA	HARTSHORNE,MCALESTER(H)	2	0	10950
OK	ARKOMA	HARTSHORNE,MCALESTER,SAVANNA	4	0	43986
OK	ARKOMA	HARTSHORNE,MIDDLE ATOKA	8	0	182086
OK	ARKOMA	HARTSHORNE,SAVANNA	1	0	6311
OK	ARKOMA	HARTSHORNE,UPPER BOOCH,LOWER BOOCH	1	0	8408
OK	ARKOMA	HARTSHORNE-COAL	4	0	22779
OK	ARKOMA	HARTSHRN,UPR BOOCH,BOOCH CHANEL	4	0	46612
OK	ARKOMA	HARTSTORNE	1	0	3836
OK	ARKOMA	HRTSHRN COAL,BRTLSVLL	1	0	3618
OK	ARKOMA	HSRTSHORNE	1	0	8241
OK	ANADARKO	HUNTON	1	0	152865
KS	CHEROKEE/FOREST CITY	HUSHPUCKNEY, LEXINGTON	1	0	793
OK	ANADARKO	IRON POST	1	0	1095
OK	ANADARKO	IRON POST,WAINWRIGHT,REDFORK,	1	0	940
OK	ANADARKO	IRONPOST,MULKY,SUMMIT	1	0	4873
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010106	2	0	5760
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010206	1	0	129
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010306	2	0	33664
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010506	4	0	62841
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010606	1	0	7248
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010706	2	0	14132
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 010806	1	0	17728
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011006	1	0	6499
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011106	1	0	38475
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011206	2	0	4951
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011306	1	0	46044
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011405	1	0	8992
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011406	9	0	61769
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011606	2	0	12480
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011706	2	0	69867
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011806	5	0	38252
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 011906	2	0	19444
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 012106	1	0	783
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 012306	2	0	30195
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 012406	5	0	3225
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 012706	1	0	80381
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 012806	17	0	205233
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 013006	3	0	57337
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 013106	12	0	165434

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 020106	5	0	37284
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 020306	4	0	48625
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 020806	1	0	75195
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 020906	1	0	56809
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021006	2	0	59174
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021105	1	0	16662
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021406	3	0	29513
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021506	1	0	10906
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021604	1	0	49275
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021606	2	0	9661
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021706	1	0	9066
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 021806	11	0	58801
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022106	6	0	57403
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022206	5	0	41118
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022306	6	0	42713
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022406	6	0	83308
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022506	9	0	127502
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022706	11	0	71899
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 022806	9	0	136158
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030106	3	0	17890
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030206	2	0	10382
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030306	1	0	3576
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030405	2	0	17198
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030406	1	0	3717
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030606	3	0	20313
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030703	1	0	4747
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030706	4	0	24505
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 030806	5	0	119900
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031006	1	0	14649
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031106	1	0	28649
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031205	1	0	9828
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031306	2	0	41770
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031406	4	0	20494
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031506	1	0	1977
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 031606	3	0	38982
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032006	3	0	27200
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032106	3	0	28735
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032306	5	0	31762
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032406	4	0	36925
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032506	6	0	45750
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032706	2	0	39078
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032806	1	0	1847
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 032906	10	0	108693
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 033004	1	0	45669
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 033006	6	0	37890
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 033106	10	0	56224
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040106	7	0	42268
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040406	35	0	220106
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040605	1	0	46293
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040606	6	0	52372
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040706	3	0	16100
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040806	1	0	4149
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 040906	1	0	10614
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041006	5	0	26662
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041206	2	0	4904
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041306	1	0	3778
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041406	3	0	20842
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041506	1	0	38
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041606	1	0	325
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041706	9	0	84190
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 041806	2	0	11315
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042006	1	0	6147
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042106	2	0	12826
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042406	1	0	7973
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042506	1	0	105
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042606	5	0	53933
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042706	6	0	53831
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042805	1	0	711
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042806	6	0	30758
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 042906	1	0	6259
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 043006	10	0	41292
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050104	1	0	28923
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050106	3	0	20418
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050206	3	0	10609

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050405	1	0	8467
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050406	5	0	21004
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050506	1	0	2431
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 050906	2	0	3809
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051006	2	0	9300
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051106	1	0	2958
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051206	1	0	11744
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051306	5	0	29362
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051406	2	0	11477
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051506	1	0	3410
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051606	1	0	2873
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051706	2	0	8196
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051806	8	0	48526
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051905	1	0	0
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 051906	1	0	6382
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052006	1	0	2850
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052206	1	0	6450
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052306	1	0	21004
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052406	6	0	40523
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052505	3	0	31252
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052506	9	0	34145
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052606	7	0	22944
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 052706	2	0	2383
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 053006	5	0	33174
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 053106	4	0	20800
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060105	3	0	40101
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060206	1	0	1689
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060506	1	0	1521
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060604	1	0	4247
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060605	1	0	19409
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 060606	1	0	3445
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 061505	1	0	8744
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 062006	2	0	5637
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 062106	2	0	17279
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 062406	1	0	7134
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 062506	1	0	7430
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 063005	1	0	601
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 070102	1	0	10950
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 070105	2	0	9290
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 070506	1	0	2812
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 070606	1	0	4564
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 070805	1	0	6408
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 071805	1	0	51922
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 072605	1	0	2057
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 072805	1	0	3630
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 072905	1	0	18536
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 080105	2	0	11103
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 080505	1	0	7434
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 080905	1	0	33614
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 081604	1	0	50478
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 081605	1	0	50407
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 081805	1	0	22939
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 082205	1	0	13893
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 082705	1	0	11272
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 083005	1	0	19448
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 090104	6	0	15787
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 090605	1	0	8085
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 090705	1	0	3129
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 091205	2	0	12326
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 091405	3	0	31021
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 091505	1	0	16419
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 092005	1	0	26417
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 092305	1	0	4897
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 092805	2	0	36186
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 092905	4	0	77766
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 100305	2	0	21097
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 100405	3	0	3853
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 100505	1	0	13377
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 100605	2	0	68643
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 100705	2	0	24010
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101005	1	0	20183
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101205	2	0	9190
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101305	2	0	58419
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101705	1	0	3136

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101805	1	0	21216
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 101905	1	0	0
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 102105	4	0	19478
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 102605	2	0	40811
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 110105	4	0	67128
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 110205	1	0	70858
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 110405	1	0	15233
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 110505	1	0	495
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 110805	1	0	10230
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111005	2	0	37830
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111405	1	0	3970
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111505	1	0	1089
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111605	2	0	29948
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111705	2	0	68676
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 111905	1	0	1556
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 112105	2	0	19212
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 112205	2	0	8825
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 112305	1	0	11411
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 112505	1	0	5726
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 112905	1	0	38149
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120105	20	0	57191
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120106	1	0	2215
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120115	1	0	4609
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120205	1	0	2508
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120505	1	0	5576
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120602	1	0	6298
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120605	5	0	145607
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120705	1	0	5537
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 120905	1	0	23862
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 121505	3	0	48060
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 121805	1	0	3265
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 121905	2	0	11665
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 122205	1	0	53243
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 122305	2	0	39715
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 122605	1	0	39957
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 123005	2	0	35174
KS	CHEROKEE/FOREST CITY	KANSAS RESERVOIR 123105	14	0	224614
WY	POWDER RIVER	KAYCEE COAL	35	2307306	14234
WY	POWDER RIVER	KENDRICK COAL	2		
WY	POWDER RIVER	KENDRICK-ROBERTS COAL	4	51731	1162
WY	POWDER RIVER	KENNEDY COAL	5	2264142	0
WY	POWDER RIVER	KING-ROBERTS COAL	1	0	22
WY	POWDER RIVER	NOBLOCH COAL	1	17478	22
WY	WIND RIVER	LANCE	3	293818	297159
KS	SALINA	LANSING	1	0	9757
VA	APPALACHIAN	LEE	18	749	194179
KS	CHEROKEE/FOREST CITY	LEXINGTON	1	0	3163
KS	CHEROKEE/FOREST CITY	LEXINGTON & MULKY	1	0	3447
KS	CHEROKEE/FOREST CITY	LEXINGTON & SCAMMON COALS	1	0	9420
KS	CHEROKEE/FOREST CITY	LEXINGTON, SUMMIT, MULKY	4	0	39591
WV	APPALACHIAN	LIT FIRE CREEK COAL	2	0	78089
OH	APPALACHIAN	LOWER FREEPORT COAL	15	0	158606
OK	ARKOMA	LOWER HARTSHORNE	1	0	1023
WV	APPALACHIAN	LOWER HURON	1	0	2610
OK	ARKOMA	LWR BOOCH,HARTSHORNE,BARTLESVILLE	1	0	10704
OK	ARKOMA	LWR SAVANNA(COAL)&UPPR BOOCH(COAL)	1	0	9892
KS	CHEROKEE/FOREST CITY	MARMATON	1	0	2887
KS	CHEROKEE/FOREST CITY	MARMATON, CHEROKEE COALS	1	0	5115
PA	APPALACHIAN	MATHER	1		
WY	GREEN RIVER	MESAVERDE	90	126335	6736731
WY	WIND RIVER	MESAVERDE COAL	158	26859915	5823973
WY	POWDER RIVER	MIDWEST COAL	14	454780	741
WY	POWDER RIVER	MIDWEST-BIG GEORGE COAL	1	37809	21
WY	POWDER RIVER	MIDWEST-BIG GEORGE-KAYCEE COAL	1		
WY	POWDER RIVER	MIDWEST-EDGERTON-BIG GEORGE-KAYCEE COAL	6	29225	0
WY	POWDER RIVER	MINNELUSA	4	349918	188
OK	ANADARKO	MISS BARTLESVILLE, ROWE	1	0	4162
OK	ANADARKO	MISS CHAT	1	0	16088
OK	ANADARKO	MISS LIME	1		
OK	ANADARKO	MISS(4), IRON POST COAL(5),	2	0	27565
OK	ANADARKO	MISS, MULKY/IRON POST, ROWE	5	0	51973
OK	ANADARKO	MISS.	1	0	1945
OK	ANADARKO	MISS. CHAT LIME, MULKY, IRONPOST,	2	0	26923
OK	ANADARKO	MISS. LIMESTONE HEAD.	1	0	1292

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ANADARKO	MISSCHAT,MULKY(2),ROWE(3,6,)	3	0	43527
OK	ANADARKO	MISSISSIPPI	23	0	249866
OK	ANADARKO	MISSISSIPPI (#1-#4), ROWE (#5)	1	0	22511
OK	ANADARKO	MISSISSIPPI CHAT	5	0	34374
KS	CHEROKEE/FOREST CITY	MISSISSIPPI COAL	2	0	22982
OK	ANADARKO	MISSISSIPPI LIME	2	0	130698
OK	ANADARKO	MISSISSIPPI LIME,RIVERTON	2	0	2974
OK	ANADARKO	MISSISSIPPI LIMESTONE	2	0	2498
OK	ANADARKO	MISSISSIPPI, BURGESS	1	0	954
OK	ANADARKO	MISSISSIPPI,BURGESS,BARTLESVILLE	1	0	2755
OK	ANADARKO	MISSISSIPPI,RIVERTON	1	0	8477
OK	ANADARKO	MISSISSIPPI/ROWE,MULKY	10	0	53283
KS	CHEROKEE/FOREST CITY	MISSISSIPPIAN	34	0	479753
KS	CHEROKEE/FOREST CITY	MISSISSIPPIAN AND RIVERTON	1	0	17515
KS	CHEROKEE/FOREST CITY	MISSISSIPPIAN, RIVERTON	1	0	11477
OK	ANADARKO	MLKY,IRNPST,CRWBRG(N)RWE CL(S#2)	2	0	7217
OK	ANADARKO	MLKY,RW,IRN PST,CRWBRG,BLTSV	4	0	11885
WY	POWDER RIVER	MONARCH COAL	497	13035015	6325114
WY	POWDER RIVER	MONARCH-CARNEY COAL	156	6507593	5942993
WY	POWDER RIVER	MONARCH-CARNEY-DIETZ 1-DIETZ 2 COAL	1	0	2057
WY	POWDER RIVER	MONARCH-CARNEY-DIETZ 1-DIETZ 2-DIETZ 3	1	41673	34998
WY	POWDER RIVER	MONARCH-CARNEY-DIETZ 1-DIETZ 3 COAL	142	7628248	9586889
WY	POWDER RIVER	MONARCH-CARNEY-DIETZ 2-DIETZ 3 COAL	1	123411	17257
PA	APPALACHIAN	MOOREWOOD	7		
KS	ANADARKO	MORROW	1	0	18442
WY	POWDER RIVER	MOYER COAL	50	2339192	0
OK	ANADARKO	MULK,BARTLESVILLE	1	0	5149
OK	ANADARKO	MULKEY	3	0	4732
OK	ANADARKO	MULKEY COAL	2	0	22073
OK	ANADARKO	MULKEY COAL SEAM	1	0	1921
OK	ANADARKO	MULKEY COAL,BARTLESVILLE	1	0	1814
OK	ANADARKO	MULKEY,MULKY COAL	1	0	3495
OK	ANADARKO	MULKY	102	0	563710
OK	ANADARKO	MULKY & IRON POST	2	0	4166
KS	CHEROKEE/FOREST CITY	MULKY & ROWE COALS	1	0	39398
KS	CHEROKEE/FOREST CITY	MULKY & SUMMIT COAL	1	0	3797
KS	CHEROKEE/FOREST CITY	MULKY & SUMMIT COALS	5	0	26660
KS	CHEROKEE/FOREST CITY	MULKY AND SUMMIT COALS	3	0	28450
OK	ANADARKO	MULKY COAL	29	0	309476
KS	CHEROKEE/FOREST CITY	MULKY COAL, SUMMIT	1	0	15627
OK	ANADARKO	MULKY COAL,IRON POST COAL,	1	0	19469
OK	ANADARKO	MULKY COAL,IRONPOST,CROWBERG COALS	1	0	2549
OK	ANADARKO	MULKY COAL,RIVERTON	3	0	33284
OK	ANADARKO	MULKY COAL/CROWBURG COAL/ROWE	5	0	14230
OK	ANADARKO	MULKY IRON POST	2	0	12395
OK	ANADARKO	MULKY(2),RIVERTON(1,3)	3	0	25105
KS	CHEROKEE/FOREST CITY	MULKY, FLEMING, ROWE, CHEROKEE & RIVERTON COALS	1	0	11362
OK	ANADARKO	MULKY, IRON POST	1	0	2972
OK	ANADARKO	MULKY, ROWE COAL	1	0	2272
KS	CHEROKEE/FOREST CITY	MULKY, WEIR, ROWE, CHEROKEE, AND RIVERTON COALS	1	0	47616
OK	ANADARKO	MULKY,BARTLESVILLE	1	0	1383
OK	ANADARKO	MULKY,BARTLVLE SAND,RIVERTON	3	0	18529
OK	ANADARKO	MULKY,CROWBURG,IRONPOST,ROWE	1	0	14568
OK	ANADARKO	MULKY,IRON POST	4	0	25508
OK	ANADARKO	MULKY,IRON POST,CROWBERG COAL	1	0	5818
OK	ANADARKO	MULKY,IRON POST,CROWBERG,ROWE COAL	4	0	43677
OK	ANADARKO	MULKY,IRON POST,CROWBURG,ROWE	3	0	41211
OK	ANADARKO	MULKY,IRON POST,ROWE	1	0	7749
OK	ANADARKO	MULKY,IRON POST,ROWE COAL	8	0	118115
OK	ANADARKO	MULKY,IRONPOST	1	0	7904
OK	ANADARKO	MULKY,IRONPOST COAL	1	0	10966
OK	ANADARKO	MULKY,IRONPOST,BURGESS	1	0	5120
OK	ANADARKO	MULKY,IRONPOST,CROWBERG,ROWE	5	0	76970
OK	ANADARKO	MULKY,IRONPOST,CROWBURG,ROWE	7	0	59814
OK	ANADARKO	MULKY,IRONPOST,ROWE	1	0	6193
OK	ANADARKO	MULKY,IRONPOST,ROWE	2	0	18844
OK	ANADARKO	MULKY,IRONPST,CROWBERG,ROWE COAL,	1	0	9191
OK	ANADARKO	MULKY,RIVERTON	1	0	37078
OK	ANADARKO	MULKY,ROWE	12	0	56649
OK	ANADARKO	MULKY,ROWE COAL	10	0	38338
OK	ANADARKO	MULKY,ROWE COAL,PENNSYLVANIAN COAL	1	0	8723
OK	ANADARKO	MULKY,ROWE,BURGESS,BTSLVL,PERU	2	0	41319
OK	ANADARKO	MULKY,SUMMIT,IRON POST,BEVIER	1	0	5788
OK	ANADARKO	MULKY,SUMMIT,IRON POST,BEVIER,	4	0	41536

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ANADARKO	MULKY,SUMMIT,IRON POST,BEVIER,WEIR	1	0	18794
OK	ANADARKO	MULKY,SUMMIT,IRONPOST,BEVIER,WEIR	1	0	2346
OK	ANADARKO	MULKY,SUMMIT,IRONPOST,BEVIER,WEIR,	8	0	93043
OK	ANADARKO	MULKY,SUMMIT,IRON POST,BEVIER	1	0	5894
OK	ANADARKO	MULKY,TUCKER	1	0	3133
KS	CHEROKEE/FOREST CITY	MULKY-SUMMIT	1	0	30239
OK	ANADARKO	MULKY/IRON POST	4	0	18868
OK	ANADARKO	MULKY/IRON POST/BLUEJACKET	1	0	8919
OK	ANADARKO	MULKY/IRONPOST	1	0	5228
OK	ANADARKO	MULKY/ROWE	2	0	6997
OK	ANADARKO	MULKY/ROWE COAL	6	0	14895
OK	ANADARKO	MULKY/ROWE COALS	1	0	12506
KS	CHEROKEE/FOREST CITY	MULKY/SUMMIT	3	0	22267
OK	ANADARKO	NEUTRAL, ROWE, IRON POST, MULKY,	1	0	87362
OK	ANADARKO	NEUTRAL,ROWE,TEBO,CROWEBERG,	1	0	52274
WY	POWDER RIVER	OEDEKOVEN COAL	19	669833	0
OK	ANADARKO	ORIG.BURGSS,RECMLP.MULKY/IRONPST CL	1	0	20882
OK	ANADARKO	OSWEGO	1	0	0
OK	ANADARKO	OSWEGO LM,ROWE,RIVERTON	4	0	14369
OK	ANADARKO	OSWEGO, MULKY	1	0	7328
KS	CHEROKEE/FOREST CITY	PAWNEE	1	0	22094
WY	POWDER RIVER	PAWNEE COAL	189	4296486	918869
WY	POWDER RIVER	PAWNEE LOWER COAL	4	50815	205
WY	POWDER RIVER	PAWNEE UPPER & LOWER COAL	22	1710522	0
WY	POWDER RIVER	PAWNEE UPPER COAL	3	25760	1193
OK	ANADARKO	PAWNEE, ROWE COAL SEAM	1	0	5799
WY	POWDER RIVER	PAWNEE-COOK COAL	1	6483	0
WY	POWDER RIVER	PAWNEE-WALL-CANYON LOWER-COOK COAL	2	116718	68680
KS	CHEROKEE/FOREST CITY	PENNSYLVANIAN COALS	1	0	8049
KS	CHEROKEE/FOREST CITY	PENNSYLVANIA COALS	5	0	104225
KS	CHEROKEE/FOREST CITY	PENNSYLVANIAN	4	0	116037
KS	CHEROKEE/FOREST CITY	PENNSYLVANIAN COAL	2	0	53956
KS	CHEROKEE/FOREST CITY	PENNSYLVANIAN COALS	69	0	2251930
OH	APPALACHIAN	PENNSYLVANIAN UNDIFFERENTIATED	1	0	10765
KS	CHEROKEE/FOREST CITY	PENNSYLVANIAN, MISSISSIPPIAN	1	0	161
PA	APPALACHIAN	PENTRESS	1	0	0
OK	ANADARKO	PERU SAND,ROWE COAL,RIVERTON COAL	2	0	15233
OK	ANADARKO	PERU,RIVERTON	2	0	9279
OK	ANADARKO	PERU,ROWE COAL	1	0	4063
NM	SAN JUAN	PICTURED CLIFFS	20	17313	376436
NM	SAN JUAN	PICTURED CLIFFS (G)	1	0	20263
NM	SAN JUAN	PICTURED CLIFFS, WEST	25	166007	551224
WV	APPALACHIAN	PITTSBURGH COAL	1	0	1872
KS	CHEROKEE/FOREST CITY	PLEASANTON, MARMATON, CHEROKEE COALS	1	0	1931
VA	APPALACHIAN	POCAHONTAS	452	78371	7503171
WV	APPALACHIAN	POCAHONTAS FM	3	0	31063
WV	APPALACHIAN	POCAHONTAS NO.3 COAL	8	0	239667
WV	APPALACHIAN	POCAHONTAS NO.4 COAL	14	0	230522
WV	APPALACHIAN	POCAHONTAS NO.5 COAL	5	0	32546
WV	APPALACHIAN	POCAHONTAS NO.6 COAL	27	0	264093
WV	APPALACHIAN	POCAHONTAS NO.7 COAL	8	0	148170
WV	APPALACHIAN	POCAHONTAS NO.9 COAL	7	0	100756
WV	APPALACHIAN	POCAHONTAS 3 RDR COAL	1	0	2813
AL	CAHABA	POTTSVILLE COAL INTERVAL	5069	60295541	115844798
PA	APPALACHIAN	POVERTY RUN	1	0	0
VA	APPALACHIAN	PRICE	1	246	14886
OK	ANADARKO	PRUE	2	0	35000
OK	ANADARKO	PRUE SANDSTONE	1	0	1383
OK	ANADARKO	PRUE,ROWE	1	0	3938
CO	RATON	RATON COAL	371	18011888	14033278
CO	RATON	RATON SAND	9	829272	545251
CO	RATON	RATON-VERMEJO	297	16136226	14849567
WV	APPALACHIAN	RAVENCLIFF/AVIS SS	2	0	6882
OK	ANADARKO	RED FORK,BARTLESVILLE,ROWE COAL	1	0	21725
OK	ANADARKO	RED FORK,MISSISSIPPIAN,BARTLESVILLE	1	0	0
OK	ARKOMA	RED OAK	2	0	95798
OK	ARKOMA	RED OAK,UPR ATOKA,ATOKA	1	0	38054
OK	ANADARKO	REDFORK	1	0	3450
LA	ARKLA	REYNOLDS COAL	10	626414	64734
WV	APPALACHIAN	RHINESTREET SH	1	0	19915
OK	ANADARKO	RIVERTON	145	0	1178423
KS	CHEROKEE/FOREST CITY	RIVERTON & WEIR COALS	3	0	10364
KS	CHEROKEE/FOREST CITY	RIVERTON AND ROWE COALS	1	0	20734
OK	ANADARKO	RIVERTON COAL	84	0	1099312

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	RIVERTON COAL - MISSISSIPPI	1	0	20392
OK	ANADARKO	RIVERTON COAL;ROWE COAL	1	0	6681
OK	ANADARKO	RIVERTON OCAL	1	0	13674
OK	ANADARKO	RIVERTON ROWE	2	0	4794
OK	ANADARKO	RIVERTON(2),SQUIRREL(1),MISS(HB2-3)	1	0	12499
KS	CHEROKEE/FOREST CITY	RIVERTON, CHEROKEE COAL	1	0	10128
KS	CHEROKEE/FOREST CITY	RIVERTON, MULKY COALS AND MULKY SHALE	1	0	8633
KS	CHEROKEE/FOREST CITY	RIVERTON, NEUTRAL AND ROWE COALS	1	0	7498
OK	ANADARKO	RIVERTON, ROWE COAL	2	0	43643
OK	ANADARKO	RIVERTON, ROWE COAL, WEIR, BEVIER,	2	0	32984
KS	CHEROKEE/FOREST CITY	RIVERTON, ROWE, MULKEY, SUMMIT COALS	2	0	40669
KS	CHEROKEE/FOREST CITY	RIVERTON, ROWE, MULKY AND SUMMIT COALS	1	0	25629
KS	CHEROKEE/FOREST CITY	RIVERTON, ROWE, SUMMIT AND MULKY COALS	1	0	26150
OK	ANADARKO	RIVERTON,ARBUCKLE	1	0	6589
OK	ANADARKO	RIVERTON,BARTLESVILLE	1	0	4991
OK	ANADARKO	RIVERTON,BEVIER,IRON POST	2	0	3020
OK	ANADARKO	RIVERTON,CROWEBERG,BEVIER,IRONPST,	1	0	16294
OK	ANADARKO	RIVERTON,IRON POST,MULKY,SUMMIT	1	0	1580
OK	ANADARKO	RIVERTON,MULKY	6	0	39018
OK	ANADARKO	RIVERTON,RED FORK	1	0	2577
OK	ANADARKO	RIVERTON,ROWE	1	0	
OK	ANADARKO	RIVERTON,ROWE COAL	5	0	63474
OK	ANADARKO	RIVERTON,ROWE COAL,BEVIER,IRONPOST	3	0	34558
OK	ANADARKO	RIVERTON,ROWE COAL,IRON POST,MULKY	1	0	8760
OK	ANADARKO	RIVERTON,ROWE COAL,WEIR,BEVIER	2	0	16947
OK	ANADARKO	RIVERTON,ROWE COAL,WEIR,IRON POST,	1	0	36497
OK	ANADARKO	RIVERTON,ROWE COAL,WEIR-PITTSBURG,	1	0	1806
OK	ANADARKO	RIVERTON,ROWE,IRONPOST,MULKY,SUMMIT	2	0	21493
OK	ANADARKO	RIVERTON,ROWE,TEBO,BEVIER,	1	0	18049
OK	ANADARKO	RIVERTON,ROWE,WEIR,BEVIER,IRONPOST	1	0	4614
OK	ANADARKO	RIVERTON,ROWE,WEIR,CROWEBERG,BEVIER	1	0	10141
OK	ANADARKO	RIVERTON,SQUIRREL	1	0	28551
OK	ANADARKO	RIVERTON,TEBO,CROWEBERG,BEVIER,	1	0	19614
OK	ANADARKO	RIVERTON,WEIR,BEVIER,IRON POST,	1	0	7775
OK	ANADARKO	RIVERTONEH NW NE,SH SE NE,NH NE	1	0	5280
WY	POWDER RIVER	ROBERTS COAL	11	705	0
WY	GREEN RIVER	ROCK SPRINGS	2		
WY	GREEN RIVER	ROCK SPRINGS COAL	6		
OK	ANADARKO	ROWE	178	0	2130346
KS	CHEROKEE/FOREST CITY	ROWE & MISSISSIPPIAN COALS	1	0	6395
KS	CHEROKEE/FOREST CITY	ROWE & MULKY COAL	1	0	1651
KS	CHEROKEE/FOREST CITY	ROWE & MULKY COALS	1	0	3
KS	CHEROKEE/FOREST CITY	ROWE & RIVERTON COALS	1	0	292
KS	CHEROKEE/FOREST CITY	ROWE AND RIVERTON COALS	1	0	4281
OK	ANADARKO	ROWE COAL	175	0	1360808
KS	CHEROKEE/FOREST CITY	ROWE COAL AND NEUTRAL COAL	1	0	9058
OK	ANADARKO	ROWE COAL SEAM	3	0	4191
OK	ANADARKO	ROWE COAL, SUMMIT, MULKY	2	0	7679
OK	ANADARKO	ROWE COAL, WEIR, BEVIER, IRONPOST,	1	0	2001
OK	ANADARKO	ROWE COAL,BARTLESVILLE	3	0	23058
OK	ANADARKO	ROWE COAL,BARTLESVILLE SANDSTONE	2	0	967
OK	ANADARKO	ROWE COAL,IRON POST, MULKY, SUMMIT	1	0	38343
OK	ANADARKO	ROWE COAL,LITTLE OSAGE,MULKY.	2	0	5670
OK	ANADARKO	ROWE COAL,MULKY	2	0	12961
OK	ANADARKO	ROWE COAL,MULKY,IRONPOST	1	0	4434
OK	ANADARKO	ROWE COAL,RIVERTN,BLUE JACKET COAL	1	0	60
OK	ANADARKO	ROWE COAL,RIVERTON	3	0	22837
OK	ANADARKO	ROWE COAL,WEIR COAL	3	0	62353
OK	ANADARKO	ROWE COAL,WEIR,BEVIER,IRON POST,	1	0	8669
OK	ANADARKO	ROWE COAL,WEIR,TEBO,I.POST,MULKY,	1	0	54460
OK	ANADARKO	ROWE COAL;RIVERTON COAL	1	0	17224
OK	ANADARKO	ROWE COALSEAM	1	0	17980
OK	ANADARKO	ROWE SHALE	1	0	6839
OK	ANADARKO	ROWE SHALE,BARTLESVILLE	1	0	21138
OK	ANADARKO	ROWE UPPER	1	0	5850
OK	ANADARKO	ROWE(16),BARTLESVILLE(18)	1	0	49801
OK	ANADARKO	ROWE(8),MISSISSIPPI(3-11)	1	0	38665
OK	ANADARKO	ROWE(9),MULKY(10)	1	0	9214
OK	ANADARKO	ROWE, MULKY	3	0	18463
OK	ANADARKO	ROWE, MULKY, IRONPOST	1	0	2619
KS	CHEROKEE/FOREST CITY	ROWE, NEUTRAL, RIVERTON	5	0	56984
KS	CHEROKEE/FOREST CITY	ROWE, RIVERTON	8	0	160766
OK	ANADARKO	ROWE,BARTLESVILLE	2	0	16100
OK	ANADARKO	ROWE,BARTLESVILLE,MISSISSIPPI	1	0	36106

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
OK	ANADARKO	ROWE,BLUE JACKET,IRON POST	6	0	19837
OK	ANADARKO	ROWE,BLUE JACKET,IRON POST,WEIR,	1	0	4761
OK	ANADARKO	ROWE,BLUE JACKET,IRON POST.	2	0	5247
OK	ANADARKO	ROWE,BURGESS(77)	2	0	10337
OK	ANADARKO	ROWE,BURGESS,MULKY	1	0	142703
OK	ANADARKO	ROWE,DRYWOOD	2	0	33718
OK	ANADARKO	ROWE,IRON POST MULKY,SUMMIT COALS	1	0	24422
OK	ANADARKO	ROWE,MISSISSIPPI	1	0	29157
OK	ANADARKO	ROWE,MISSISSIPPI,BURGESS SAND,	1	0	4112
OK	ANADARKO	ROWE,MLKY,IRNPST,CRWBRG,BURGESS	5	0	69535
OK	ANADARKO	ROWE,MULKEY,IRONPOST	1	0	7882
OK	ANADARKO	ROWE,MULKY	2	0	13039
OK	ANADARKO	ROWE,MULKY,BURGESS	2	0	5801
OK	ANADARKO	ROWE,MULKY,IRON POST	3	0	16808
OK	ANADARKO	ROWE,MULKY,IRONPOST	10	0	89911
OK	ANADARKO	ROWE,MULKY,IRONPOST(PENN COAL)	1	0	7465
OK	ANADARKO	ROWE,MULKY,IRONPOST(PENN. COAL)	1	0	9127
OK	ANADARKO	ROWE,MULKY,IRONPOST,CROWBURG	1	0	3542
OK	ANADARKO	ROWE,MULKY,MISS	2	0	21131
OK	ANADARKO	ROWE,MULKY,TUCKER	2	0	9252
OK	ANADARKO	ROWE,MULKY,IRONPOST	1	0	23860
OK	ANADARKO	ROWE,NEUTRAL COAL	1	0	7531
OK	ANADARKO	ROWE,OSWEGO	3	0	29638
OK	ANADARKO	ROWE,PRUE	1	0	4231
OK	ANADARKO	ROWE,RIVERTON	18	0	243357
OK	ANADARKO	ROWE,RIVERTON,MISS	7	0	90178
OK	ANADARKO	ROWE,SHALE,WOOLFORD	4	0	13194
OK	ANADARKO	ROWE,SKINNER	1	0	6027
OK	ANADARKO	ROWE,TEBO,IRONPOST,MULKY,SUMMIT	1	0	75785
OK	ANADARKO	ROWE,TUCKER	1	0	3567
KS	CHEROKEE/FOREST CITY	ROWE-BARTLESVILLE	1	0	4456
OK	ANADARKO	ROWE/MULKY/BURGESS/TUCKER/BRTLSVL	16	0	72920
KS	CHEROKEE/FOREST CITY	ROWE/NEUTRAL/RIVERTON	1	0	10747
OK	ANADARKO	ROWE/SHALE	4	0	22091
OK	ANADARKO	ROWE/SHALE,MULKY,IRONPOST	1	0	2422
OK	ANADARKO	ROWE;MULKY,IRONPOST;BARTLESVILLE	1	0	25836
OK	ANADARKO	ROWECOAL,WEIR,IRONPOST,MULKY,SUMMIT	2	0	57965
KS	CHEROKEE/FOREST CITY	ROWER, RIVERTON	1	0	1924
PA	APPALACHIAN	RUDOLPH RUN	5		
OK	ANADARKO	RVERTON,NEUTRAL,ROWE,TEBO,CROWBERG	1	0	11588
OK	ANADARKO	RVRTN COAL,MULKY,SUMMIT,IRON POST	1	0	7004
OK	ANADARKO	RVRTON,ROWE COAL,BEVIER,IRN POST	1	0	11235
OK	ANADARKO	RVRTON,ROWE,WEIR,BEVIER,IRONPOST,	1	0	5920
OK	ARKOMA	SAVANNA, BOOCH,BARTLESVILLE COAL	1	0	21002
OK	ARKOMA	SAVANNA, HARTSHORNE	1	0	3417
OK	ARKOMA	SAVANNA,MCALESTER	3	0	26696
OK	ARKOMA	SAVANNA,U&L BOOCH,HARTSHORNE	1	0	1745
OK	ARKOMA	SAVANNAH, MCALESTER COAL	1	0	2903
WY	GREEN RIVER	SCOTTY LAKE COAL	2	278217	0
WV	APPALACHIAN	SEWELL 'A' COAL	1	0	712
OK	ANADARKO	SHALE	1	0	1922
OK	ANADARKO	SHALE GAS	1	0	3817
OK	ANADARKO	SHALE GAS,MULKY,IRONPOST,ROWE	2	0	11227
OK	ANADARKO	SHALES	1	0	2774
OK	ANADARKO	SKINNER,ARBUCKLE LIME	1		
WY	POWDER RIVER	SMITH COAL	188	5231320	1486458
WY	POWDER RIVER	SMITH-ANDERSON COAL	124	5513518	4138104
WY	POWDER RIVER	SMITH-ANDERSON LOWER-CANYON COAL	1		
WY	POWDER RIVER	SMITH-ANDERSON LOWER-CANYON-CANYON UPPER COAL	1		
WY	POWDER RIVER	SMITH-ANDERSON-ANDERSON LOWER	2	18141	18125
WY	POWDER RIVER	SMITH-ANDERSON-DIETZ 2-DIETZ 3-MONARCH	3	88706	89275
WY	POWDER RIVER	SMITH-ANDERSON-DIETZ 2-DIETZ 3-MONARCH-CARNEY COAL	43	2995091	4590482
WY	POWDER RIVER	SMITH-ANDERSON-DIETZ 3-MONARCH	1	9221	2430
WY	POWDER RIVER	SMITH-ANDERSON-MONARCH-CARNEY COAL	1	88008	908
WY	POWDER RIVER	SMITH-ANDERSON-MONARCH-CARNEY DIETZ 3	16	523948	37688
WY	POWDER RIVER	SMITH-DIETZ 1-DIETZ 3-CANYON COAL	1	19429	0
WY	POWDER RIVER	SMITH-DIETZ 1-DIETZ 3-CARNEY COAL	19	701593	153043
WY	POWDER RIVER	SMITH-DIETZ 1-DIETZ 3-MONARCH-CARNEY	25	1695436	2125505
WY	POWDER RIVER	SMITH-DIETZ 1-MONARCH-CARNEY COAL	1	80162	113128
WY	POWDER RIVER	SMITH-DIETZ-1 COAL	17	474384	171466
WY	POWDER RIVER	SMITH-DIETZ-1-DIETZ-2-DIETZ-3	1	28748	16295
WY	POWDER RIVER	SMITH-DIETZ1-DIETZ2-DIETZ3-MON-CARNEY	6	482615	306558
WY	POWDER RIVER	SMITH-SMITH LOWER COAL	8	760071	0
PA	APPALACHIAN	SOUTH FRANKLIN	1	0	62388

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
KS	CHEROKEE/FOREST CITY	SOUTH MOUND, LEXINGTON, CHEROKEE COALS	1	0	3207
OK	ARKOMA	SPIRO	2	0	9788
OK	ARKOMA	SPIRO,CROMWELL, MIDDLE ATOKA	1	0	7928
OK	ARKOMA	SPIRO,HARTSHORNE COAL	2	0	31046
OK	ANADARKO	SQUIRREL	2	0	26998
OK	ANADARKO	SQUIRREL(1),ROWE(2)	1	0	1649
KS	CHEROKEE/FOREST CITY	SUMMIT	1	0	9361
KS	CHEROKEE/FOREST CITY	SUMMIT & MULKY COAL	2	0	34024
KS	CHEROKEE/FOREST CITY	SUMMIT & MULKY COALS	11	0	150418
KS	CHEROKEE/FOREST CITY	SUMMIT & MULKY SHALES	4	0	59890
KS	CHEROKEE/FOREST CITY	SUMMIT - MULKY	1	0	3334
KS	CHEROKEE/FOREST CITY	SUMMIT - MULKY COAL	1	0	8210
KS	CHEROKEE/FOREST CITY	SUMMIT AND MULKY	3	0	22094
KS	CHEROKEE/FOREST CITY	SUMMIT AND MULKY COAL	3	0	50398
KS	CHEROKEE/FOREST CITY	SUMMIT AND MULKY COALS	7	0	60599
KS	CHEROKEE/FOREST CITY	SUMMIT AND MULKY SHALES	2	0	16280
KS	CHEROKEE/FOREST CITY	SUMMIT COAL	2	0	48645
KS	CHEROKEE/FOREST CITY	SUMMIT MULKY	1	0	8388
KS	CHEROKEE/FOREST CITY	SUMMIT MULKY BEVIER CROWEBERG FLEMING TEBO ROWE RI	1	0	12868
KS	CHEROKEE/FOREST CITY	SUMMIT MULKY COAL	1	0	7359
KS	CHEROKEE/FOREST CITY	SUMMIT, CHEROKEE & RIVERTON COAL	1	0	6317
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKEY	2	0	42602
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY	3	0	55440
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY & IRON POST COALS	1	0	2502
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY & ROWE COALS	1	0	2878
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY COAL	3	0	10628
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY COALS	1	0	13153
KS	CHEROKEE/FOREST CITY	SUMMIT, MULKY SHALES	1	0	26534
OK	ANADARKO	SUMMIT,MULKY,CROWEBURG	1	0	162
OK	ANADARKO	SUMMIT,MULKY,IRON POST	5	0	40546
OK	ANADARKO	SUMMIT,MULKY,IRON POST,BEIVER	1	0	14461
OK	ANADARKO	SUMMIT,MULKY,IRON POST,BEIVER,	1	0	9563
OK	ANADARKO	SUMMIT,MULKY,IRON POST,BEIVER,	2	0	41118
OK	ANADARKO	SUMMIT,MULKY,IRON POST,CROWEBURG	2	0	18890
OK	ANADARKO	SUMMIT,MULKY,IRONPOST	1	0	8745
OK	ANADARKO	SUMMIT,MULKY,IRONPOST,BEIVER,	1	0	6464
OK	ANADARKO	SUMMIT,MULKY,IRONPOST,BEIVER,RVRTON	1	0	145
KS	CHEROKEE/FOREST CITY	SUMMIT-MULKY	1	0	14939
KS	CHEROKEE/FOREST CITY	SUMMIT-MULKY COAL	2	0	25264
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKEY	5	0	33433
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY	81	0	1174124
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY/BEVIER/CROWEBURG/ROWE/RIVERTON	1	0	8882
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY/CROWEBURG/FLEMING/ROWE/RIVERTON	1	0	9588
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY/ROWE/CROWEBERG/FLEMING/RIVERTON	1	0	10885
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY/ROWE/CROWEBURG/FLEMING/MISSISSIPPI	1	0	14159
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY/ROWE/RIVERTON	3	0	49133
KS	CHEROKEE/FOREST CITY	SUMMIT/MULKY	1	0	6523
WY	POWDER RIVER	SWARTZ COAL	1		
WY	POWDER RIVER	SWARTZ-ANDERSON COAL	15	18345	7648
KS	CHEROKEE/FOREST CITY	SWOPE, SUMMIT, MULKY COAL, TEBO, & WEIR PITTSBURG	1	0	22124
KS	CHEROKEE/FOREST CITY	TEBO, MULKY COALS	1	0	20747
KS	CHEROKEE/FOREST CITY	TEMP.ABD.-WOPL	4	0	169001
KS	CHEROKEE/FOREST CITY	TEMP.ADB.- WOPL	1	0	45722
NM	SAN JUAN	TERTIARY	1	5507	76497
WY	GREEN RIVER	TRANSITION	1	1900	67426
OK	ANADARKO	TUCKER	6	0	133367
OK	ARKOMA	U. SAVANNA, L. BOGGY,HART BOOCH	1	0	1989
WV	APPALACHIAN	UNKNOWN	1454	814570	36401322
PA	APPALACHIAN	UNNAMED	12	0	16859
VA	APPALACHIAN	UNREPORTED FORMATION	400	409664	11936995
WV	APPALACHIAN	UP KITTANNING COAL	1	0	25
OK	ARKOMA	UPPER BOOCH	2	0	23691
KS	CHEROKEE/FOREST CITY	UPPER CATTLEMAN SANDSTONE	1	0	8690
OK	ARKOMA	UPPER JACKFORK	1	0	27290
OK	ARKOMA	UPPER&LOWER JACKFORK	1	0	12134
OK	ANADARKO	UPPER&LOWER PRUE,IRON POST,WEIR,	3	0	1918
NM	RATON	VERMEJO	445	13441452	10417947
CO	RATON	VERMEJO COAL	1439	127298556	65826349
NM	RATON	VERMEJO GAS	172	3845792	15981027
OK	ANADARKO	WAINWRIGHT,BLUEJACKET ROWE,IRONPOST	2	0	22699
OK	ANADARKO	WAINWRIGHT,REDFORK,BLUEJACKET ROWE	1	0	22
WY	POWDER RIVER	WALL COAL	961	50381417	9923318
WY	POWDER RIVER	WALL LOWER COAL	11	323742	190257
WY	POWDER RIVER	WALL U-WALL L-COOK-CANYON U-CANYON L	1	96821	36174

Table 10. Counts of Wells and Total Production Volume (Gas and Water) by Reservoir (within State, Basin)

State	Basin	Reservoir	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
WY	POWDER RIVER	WALL UPPER-WALL LOWER-COOK-PAWNEE-CACHE	1	125912	16610
WY	POWDER RIVER	WALL UPPER-WALL LOWER-WALL-PAWNEE COAL	3	116924	24825
WY	POWDER RIVER	WALL- UPPER WALL- LOWER WALL COAL	3	99368	25311
WY	POWDER RIVER	WALL-CANYON COAL	15	1352004	322468
WY	POWDER RIVER	WALL-CANYON L-CANYON U-ANDERSON-SMITH	1	9813	79
WY	POWDER RIVER	WALL-CANYON LOWER COAL	89	1831642	1207935
WY	POWDER RIVER	WALL-CANYON LOWER-CANYON UPPER-ANDERSON COAL	13	628881	151489
WY	POWDER RIVER	WALL-CANYON-ANDERSON-BIG GEORGE-ROLAND-FELIX COAL	1	41095	143
WY	POWDER RIVER	WALL-COOK-CANYON LO-CANYON UP-ANDERSON-SMITH	3	164317	221873
WY	POWDER RIVER	WALL-COOK-CANYON LOWER COAL	14	562280	708496
WY	POWDER RIVER	WALL-COOK-CANYON LOWER-CANYON UPPER COAL	19	1000961	866623
WY	POWDER RIVER	WALL-COOK-CANYON U-CANYON L-ANDERSON	18	859639	629131
WY	POWDER RIVER	WALL-COOK-CANYON UPPER COAL	5	197462	103840
WY	POWDER RIVER	WALL-PAWNEE COAL	93	2782527	722041
WY	POWDER RIVER	WALL-PAWNEE UPPER-PAWNEE LOWER-CACHE	2	71162	6781
WY	POWDER RIVER	WALL-PAWNEE-CACHE COAL	7	387818	69385
WY	POWDER RIVER	WALL-PAWNEE-PAWNEE LOWER-CACHE	2	58183	3287
WY	POWDER RIVER	WALL-SMITH COAL	2	19946	0
WY	POWDER RIVER	WALL-WALL 3 COAL	3	199403	132173
WY	POWDER RIVER	WALL-WALL UPPER- PAWNEE- PAWNEE LOWER-CACHE COAL	2	53606	4743
WY	POWDER RIVER	WASATCH	2	12	0
OK	ANADARKO	WAYSIDE,LTLE OSAGE.MULKY,IRON	1	0	2003
OK	ANADARKO	WEIR	3	0	48111
KS	CHEROKEE/FOREST CITY	WEIR & PITTSBURGH	1	0	11691
KS	CHEROKEE/FOREST CITY	WEIR & RIVERTON COAL	1	0	1931
KS	CHEROKEE/FOREST CITY	WEIR & RIVERTON COALS	13	0	104471
KS	CHEROKEE/FOREST CITY	WEIR AND RIVERTON COAL	6	0	33214
KS	CHEROKEE/FOREST CITY	WEIR AND RIVERTON COALS	4	0	21587
OK	ANADARKO	WEIR COAL	58	0	667487
OK	ANADARKO	WEIR COAL(#1),MISSISSIPPI LIME(#2)	1	0	15406
KS	CHEROKEE/FOREST CITY	WEIR COAL, MULKY COAL	2	0	10258
OK	ANADARKO	WEIR COAL,ROWE COAL	1	0	21279
KS	CHEROKEE/FOREST CITY	WEIR PITT COAL	1	0	1068
OK	ANADARKO	WEIR PITTSBURG,WEIR COAL	1	0	9067
KS	CHEROKEE/FOREST CITY	WEIR PITTSBURGH COAL	1	0	1292
KS	CHEROKEE/FOREST CITY	WEIR, FLEMING, MULKY COALS	1	0	22170
KS	CHEROKEE/FOREST CITY	WEIR, MULKY COALS	1	0	9436
OK	ANADARKO	WEIR,BEVIER,IRON POST,MULKY,SUMMIT	3	0	15525
OK	ANADARKO	WEIR,MULKY	1	0	21351
KS	CHEROKEE/FOREST CITY	WEIR-PITT & RIVERTON COALS	1	0	13010
OK	ANADARKO	WEIR-PITTSBURG	3	0	5209
OK	ANADARKO	WEIR-PITTSBURG COAL	12	0	87516
KS	CHEROKEE/FOREST CITY	WEIR-PITTSBURG COAL BED	1	0	4960
KS	CHEROKEE/FOREST CITY	WEIR/RIVERTON COALS	2	0	1387
WV	APPALACHIAN	WELCH COAL	1	0	7171
WY	POWDER RIVER	WERNER COAL	75	4033990	797616
WY	POWDER RIVER	WERNER-ANDERSON COAL	18	440928	140043
WY	POWDER RIVER	WERNER-ANDERSON-GATES COAL	1	52560	0
WY	POWDER RIVER	WERNER-WALL-ANDERSON COAL	3		
LA	ARKLA	WILCOX COAL	10		
LA	ARKLA	WILCOX COALS	7	329905	72914
OK	ANADARKO	WILCOX SAND	1	0	0
CO	UINTA-PICEANCE	WILLIAMS FORK	7	35525	292210
CO	UINTA-PICEANCE	WILLIAMS FORK - CAMEO	69	120413	2735013
CO	UINTA-PICEANCE	WILLIAMS FORK COAL	9	327745	185669
CO	UINTA-PICEANCE	WILLIAMS FORK-CAMEO COAL	22	78692	1522444
TX	PERMIAN	WLFC "A" COAL	7	36760	182618
OK	ARKOMA	WOODFORD	1	0	20352
WY	POWDER RIVER	WYODAK COAL	3905	78329918	61544685
WY	POWDER RIVER	WYODAK LOWER COAL	23	790048	392763
WY	POWDER RIVER	WYODAK UPPER COAL	116	2026410	2986786
WY	POWDER RIVER	WYODAK UPPER-WYODAK LOWER COAL	10	7767905	275056
WY	POWDER RIVER	WYODAK-ANDERSON COAL	2	27449	45489
WY	POWDER RIVER	WYODAK-SMITH UP-SMITH LO-BIG GEORGE	1	7698	4807
WY	POWDER RIVER	multiple	366	1344178	24635230
Total			45369	1015865359	1809214039

Table 11. Counts of Wells and Total Production Volume (Gas and Water) by County (within State and Basin)

State	Basin	County	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	HALE (AL)	5	2730	664
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	MONROE (AL)	1	104360	6751
AL	BLACK WARRIOR	FAYETTE (AL)	33	234447	191682
AL	BLACK WARRIOR	JEFFERSON (AL)	819	9226257	21873868
AL	BLACK WARRIOR	LAMAR (AL)	1	105	11414
AL	BLACK WARRIOR	PICKENS (AL)	4	10477	134814
AL	BLACK WARRIOR	TUSCALOOSA (AL)	3740	43529264	86670992
AL	BLACK WARRIOR	WALKER (AL)	162	2022545	4352308
AL	CAHABA	BIBB (AL)	45	566315	98853
AL	CAHABA	SHELBY (AL)	265	4713983	2656431
AR	ARKOMA	FRANKLIN (AR)	2	0	176605
AR	ARKOMA	SEBASTIAN (AR)	45	0	2277592
CO	GREEN RIVER	MOFFAT (CO)	7	497270	1995
CO	RATON	HUERFANO (CO)	52	70833969	28458
CO	RATON	LAS ANIMAS (CO)	2067	91442185	95227604
CO	SAN JUAN	ARCHULETA (CO)	41	460945	3722730
CO	SAN JUAN	LA PLATA (CO)	1695	23634183	409586243
CO	UINTA-PICEANCE	GARFIELD (CO)	112	148179	4768106
CO	UINTA-PICEANCE	GUNNISON (CO)	1		
CO	UINTA-PICEANCE	MESA (CO)	17	15166	249721
CO	UINTA-PICEANCE	RIO BLANCO (CO)	8	26161	374924
KS	ANADARKO	COMANCHE (KS)	1	0	13375
KS	ANADARKO	STANTON (KS)	1	0	18442
KS	CHEROKEE/FOREST CITY	ALLEN (KS)	45	0	124723
KS	CHEROKEE/FOREST CITY	BOURBON (KS)	29	0	158601
KS	CHEROKEE/FOREST CITY	CHAUTAUQUA (KS)	5	0	23555
KS	CHEROKEE/FOREST CITY	COFFEY (KS)	34	0	117773
KS	CHEROKEE/FOREST CITY	CRAWFORD (KS)	6	0	19837
KS	CHEROKEE/FOREST CITY	FRANKLIN (KS)	1	0	365
KS	CHEROKEE/FOREST CITY	LABETTE (KS)	200	0	1748577
KS	CHEROKEE/FOREST CITY	MIAMI (KS)	41	0	253719
KS	CHEROKEE/FOREST CITY	MONTGOMERY (KS)	568	0	6107194
KS	CHEROKEE/FOREST CITY	NEOSHO (KS)	653	0	7223490
KS	CHEROKEE/FOREST CITY	WILSON (KS)	728	0	7725007
KS	CHEROKEE/FOREST CITY	WOODSON (KS)	1	0	0
KS	SALINA	BARBER (KS)	1	0	25110
KS	SALINA	CHASE (KS)	1	0	9757
KS	SALINA	STAFFORD (KS)	1	0	10012
LA	ARKLA	CALDWELL (LA)	10	626414	64734
LA	ARKLA	RICHLAND (LA)	10		
LA	ARKLA	WINN (LA)	7	329905	72914
MT	POWDER RIVER	BIG HORN (MT)	877	29769067	11711905
MT	SWEETGRASS ARCH	HILL (MT)	1	0	16543
NM	RATON	COLFAX (NM)	617	17287244	26398974
NM	SAN JUAN	MCKINLEY (NM)	7	20047	18502
NM	SAN JUAN	RIO ARRIBA (NM)	1112	3384776	145022165
NM	SAN JUAN	SAN JUAN (NM)	3683	14697932	360471350
NM	SAN JUAN	SANDOVAL (NM)	8	47602	3730
OH	APPALACHIAN	HARRISON (OH)	22	0	321749
OK	ANADARKO	CRAIG (OK)	63	0	734714
OK	ANADARKO	HUGHES (OK)	7	0	78630
OK	ANADARKO	LOGAN (OK)	1	0	152865
OK	ANADARKO	MCINTOSH (OK)	8	0	49184
OK	ANADARKO	NOWATA (OK)	530	0	4773742
OK	ANADARKO	OKMULGEE (OK)	5	0	17895
OK	ANADARKO	OSAGE (OK)	8	0	50794
OK	ANADARKO	ROGERS (OK)	127	0	2035266
OK	ANADARKO	STEPHENS (OK)	1	0	60240
OK	ANADARKO	TULSA (OK)	39	0	184133
OK	ANADARKO	WASHINGTON (OK)	423	0	3065831
OK	ARKOMA	COAL (OK)	1	0	20352
OK	ARKOMA	HASKELL (OK)	707	0	19822011
OK	ARKOMA	LATIMER (OK)	25	0	182834
OK	ARKOMA	LE FLORE (OK)	307	0	4745030
OK	ARKOMA	PITTSBURG (OK)	333	0	11628118
PA	APPALACHIAN	Allegheny	1		
PA	APPALACHIAN	Armstrong	2		
PA	APPALACHIAN	CAMBRIA (PA)	7	0	16859

Table 11. Counts of Wells and Total Production Volume (Gas and Water) by County (within State and Basin)

State	Basin	County	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
PA	APPALACHIAN	Cambria	16		
PA	APPALACHIAN	Clarion	1		
PA	APPALACHIAN	FAYETTE (PA)	15	0	65298
PA	APPALACHIAN	Fayette	15		
PA	APPALACHIAN	GREENE (PA)	58	0	173473
PA	APPALACHIAN	Greene	225		
PA	APPALACHIAN	INDIANA (PA)	113	0	900420
PA	APPALACHIAN	Indiana	65		
PA	APPALACHIAN	WASHINGTON (PA)	3	0	62388
PA	APPALACHIAN	WESTMORELAND (PA)	25		
PA	APPALACHIAN	Washington	20		
PA	APPALACHIAN	Westmoreland	61		
TX	FT. WORTH	REAL (TX)	1	4528	13584
TX	PERMIAN	EDWARDS (TX)	6	32232	169034
TX	TEXAS GULF COAST	MAVERICK (TX)	2	11790	4530
UT	UINTA-PICEANCE	CARBON (UT)	624	17201494	61452231
UT	UINTA-PICEANCE	EMERY (UT)	208	6257524	15211594
VA	APPALACHIAN	BUCHANAN (VA)	1732	1006392	45337392
VA	APPALACHIAN	DICKENSON (VA)	861	357550	15256397
VA	APPALACHIAN	RUSSELL (VA)	348	285216	7249629
VA	APPALACHIAN	TAZEWELL (VA)	267	438359	5126411
VA	APPALACHIAN	WISE (VA)	115	16580	1453201
WV	APPALACHIAN		268		6819988
WV	APPALACHIAN	BARBOUR (WV)	2	0	70564
WV	APPALACHIAN	MARION (WV)	11	0	296269
WV	APPALACHIAN	MARSHALL (WV)	7	0	159422
WV	APPALACHIAN	MCDOWELL (WV)	188	0	4563564
WV	APPALACHIAN	MINGO (WV)	2	0	5220
WV	APPALACHIAN	MONONGALIA (WV)	42	0	413183
WV	APPALACHIAN	RALEIGH (WV)	2	0	32918
WV	APPALACHIAN	WETZEL (WV)	2	0	677
WV	APPALACHIAN	WYOMING (WV)	81	0	6674019
WY	BIG HORN	PARK (WY)	1	15779	19073
WY	GREEN RIVER	CARBON (WY)	235	25329034	12987396
WY	GREEN RIVER	SUBLETTE (WY)	2	1900	67426
WY	GREEN RIVER	SWEETWATER (WY)	43	430632	970903
WY	POWDER RIVER	CAMPBELL (WY)	13658	367422232	199105839
WY	POWDER RIVER	CONVERSE (WY)	39	2485492	205467
WY	POWDER RIVER	CROOK (WY)	1	4908	188
WY	POWDER RIVER	JOHNSON (WY)	2629	183353939	117253895
WY	POWDER RIVER	SHERIDAN (WY)	2968	95531612	57524220
WY	WIND RIVER	FREMONT (WY)	18	1752820	1573914
WY	WIND RIVER	NATRONA (WY)	2	293818	281956
Total			45369	1015865359	1809214039

Table 12. Well Counts, Total Water Production, and Gas Production by Gas Production per Well

Gas Production (Mcf)	Number of Wells	Total Water Production (bbbls)	Total Gas Production (Mcf)
Unknown	2,631	0	
0 – 14,999	20,583	574,027,364	107,596,383
15,000 – 50,000	11,553	239,413,949	323,123,348
50,000 +	7,558	201,343,777	1,338,074,621
Total	42,325	1,014,785,090	1,768,974,352

Table 13. Well Counts, Total Water Production, and Gas Production by Water Production per Well

Water Production (bbls)	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
Unknown	2,760		6,967,441
0	10,203	0	194,832,882
1 – 9,999	13,824	43,197,217	903,206,853
10,000 – 50,000	10,080	247,084,200	426,479,126
50,000 +	5,458	724,503,673	237,308,050
Total	42,325	1,014,785,090	1,768,974,352

Table 14

Table 14. Well Counts, Total Water Production, and Total Gas Production by Well Water Production and State

State	Water Production per Well	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
AL	Unknown	205		
AL	0	282	0	8909280
AL	1 - 9,999	3327	9402916	76816284
AL	10,000 - 50,000	1001	21399026	23336002
AL	50,001+	275	29608541	6936211
AR	0	47	0	2454197
CO	Unknown	132		
CO	0	110	0	9015061
CO	1 - 9,999	2000	7363509	322270544
CO	10,000 - 50,000	1223	28022479	145927122
CO	50,001+	535	151672070	36747054
IL	Unknown	56		16177
IN	Unknown	85		
KS	Unknown	36		
KS	0	2280	0	23579537
LA	Unknown	17		
LA	0	1	0	45162
LA	10,000 - 50,000	3	120169	7863
LA	50,001+	6	836150	84623
MT	Unknown	93		
MT	0	123	0	1348406
MT	1 - 9,999	177	728946	2096176
MT	10,000 - 50,000	278	7679623	4069821
MT	50,001+	207	21360498	4214045
NM	Unknown	259		
NM	0	897	0	47303670
NM	1 - 9,999	3433	5728636	392199066
NM	10,000 - 50,000	664	14432658	84739013
NM	50,001+	174	15276307	7672972
OH	0	22	0	321749
OK	Unknown	7		
OK	0	2578	0	47601639
PA	Unknown	528		
PA	0	99	0	1218438
TX	1 - 9,999	8	31516	153508
TX	10,000 - 50,000	1	17034	33640
UT	Unknown	2		
UT	0	7	0	125593
UT	1 - 9,999	422	1675927	34401242
UT	10,000 - 50,000	304	6497958	30437308
UT	50,001+	97	15285133	11699682
VA	Unknown	123	-18786	143688
VA	0	707	0	10720181
VA	1 - 9,999	2491	2099189	63515127
VA	10,000 - 50,000	2	23694	44034
WV	Unknown	135		6967441
WV	0	314	0	12052206
WY	Unknown	1346		
WY	0	3059	0	37628052
WY	1 - 9,999	4419	18377514	73269177
WY	10,000 - 50,000	6612	168798249	136681719
WY	50,001+	4160	489446403	142411329
Total		45369	1015865359	1809214039

Table 15. Well Counts, Total Water Production, and Total Gas Production by Well Gas Production and State

State	Gas Production per Well	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
AL	Unknown	205		
AL	0 - 15,000	1979	25777392	15421246
AL	15,000 - 50,000	2489	28530230	70120222
AL	50,000+	417	6102861	30456309
AR	0 - 15,000	17	0	90983
AR	15,000 - 50,000	9	0	350546
AR	50,000+	21	0	2012668
CO	Unknown	132		
CO	0 - 15,000	532	96091343	3248422
CO	15,000 - 50,000	1028	32827213	32353286
CO	50,000+	2308	58139502	478358073
IL	Unknown	6		
IL	0 - 15,000	50		16177
IN	Unknown	85		
KS	Unknown	36		
KS	0 - 15,000	1800	0	8927958
KS	15,000 - 50,000	431	0	10774654
KS	50,000+	49	0	3876925
LA	Unknown	17		
LA	0 - 15,000	7	482088	38261
LA	15,000 - 50,000	3	474231	99387
MT	Unknown	93		
MT	0 - 15,000	567	19413509	1915551
MT	15,000 - 50,000	162	7307425	4304094
MT	50,000+	56	3048133	5508803
NM	Unknown	259		
NM	0 - 15,000	1337	10357362	9147082
NM	15,000 - 50,000	1497	10651801	43782380
NM	50,000+	2334	14428438	478985259
OH	0 - 15,000	15	0	84207
OH	15,000 - 50,000	6	0	146292
OH	50,000+	1	0	91250
OK	Unknown	7		
OK	0 - 15,000	1760	0	9981822
OK	15,000 - 50,000	565	0	15526296
OK	50,000+	253	0	22093521
PA	Unknown	528		
PA	0 - 15,000	72	0	404405
PA	15,000 - 50,000	25	0	607645
PA	50,000+	2	0	206388
TX	0 - 15,000	4	22052	27457
TX	15,000 - 50,000	5	26498	159691
UT	Unknown	2		
UT	0 - 15,000	131	3990533	1009326
UT	15,000 - 50,000	200	3699999	6089714
UT	50,000+	499	15768486	69564785
VA	Unknown	117		
VA	0 - 15,000	1401	657812	11358416
VA	15,000 - 50,000	1541	1182926	43144460
VA	50,000+	264	263359	19920154
WV	0 - 15,000	190	0	1177373
WV	15,000 - 50,000	170	0	4687998
WV	50,000+	89	0	13154276
WY	Unknown	1346		
WY	0 - 15,000	11891	418190453	54758764
WY	15,000 - 50,000	4845	155709983	130778967
WY	50,000+	1514	102721730	204452546
Total		45369	1015865359	1809214039

Table 16. Counts of Wells, Total Water Production, and Total Gas Production by Well Age

Age (Months)	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
Unknown	1,753	32,250,146	32,433,917
0 – 50	16,163	552,572,633	568,019,079
51 – 100	15,826	336,989,106	527,423,464
100 +	8,583	92,973,205	640,917,892
Total	42,325	1,014,785,090	1,768,974,352

Table 17. Well Counts, Total Water Production, and Total Gas Production by Well Age and State

State	Well Age (months)	Number of Wells	Total Water Production (bbls)	Total Gas Production (Mcf)
AL	Unknown	126	49811	173058
AL	0 - 50	1222	19273046	24181923
AL	51 - 100	1028	7975224	35499607
AL	100+	2714	33112402	56143189
AR	0 - 50	14	0	1300240
AR	51 - 100	32	0	999286
AR	100+	1	0	154671
CO	Unknown	144	9253325	11753658
CO	0 - 50	1082	71346587	74429349
CO	51 - 100	1254	67036036	162286915
CO	100+	1520	39422110	265489859
IL	Unknown	56		16177
IN	Unknown	85		
KS	0 - 50	1881	0	17278822
KS	51 - 100	396	0	6034988
KS	100+	39	0	265727
LA	0 - 50	27	956319	137648
MT	Unknown	86	2007373	581749
MT	0 - 50	504	18652721	6728590
MT	51 - 100	236	7281164	3949677
MT	100+	52	1827809	468432
NM	Unknown	58	193343	3473575
NM	0 - 50	1932	16327550	146391879
NM	51 - 100	1013	12728311	106485146
NM	100+	2424	6188397	275564121
OH	Unknown	18	0	266281
OH	0 - 50	3	0	48168
OH	51 - 100	1	0	7300
OK	Unknown	109	0	1978374
OK	0 - 50	587	0	19013503
OK	51 - 100	1333	0	21626301
OK	100+	556	0	4983461
PA	Unknown	627	0	1218438
TX	0 - 50	7	36760	182618
TX	51 - 100	2	11790	4530
UT	Unknown	5	60777	43573
UT	0 - 50	80	5217766	5376543
UT	51 - 100	424	10825238	40766950
UT	100+	323	7355237	30476759
VA	0 - 50	1217	1147774	28174477
VA	51 - 100	950	595464	26737262
VA	100+	1156	360859	19511291
WV	Unknown	122		6837520
WV	0 - 50	85	0	6963908
WV	51 - 100	192	0	4675356
WV	100+	50	0	542863
WY	Unknown	318	20685517	6091514
WY	0 - 50	8415	410650791	215901854
WY	51 - 100	10095	235940894	160052421
WY	100+	768	9344964	7944488
Total		45369	1015865359	1809214039

Table 18. Counts of Operators with Various Numbers of Wells by State and Basin

State	Basin	Number of Wells											Total	
		1	2	3	4	5	6-10	11-20	21-50	51-100	100-1000	1000+		
AL	ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	1	0	0	0	0	1	0	0	0	0	0	0	2
AL	BLACK WARRIOR	3	1	0	0	0	0	1	0	1	5	2	13	
AL	CAHABA	0	0	0	0	0	0	0	0	1	1	0	2	
AR	ARKOMA	0	1	0	0	0	0	0	1	0	0	0	2	
CO	GREEN RIVER	2	0	0	0	1	0	0	0	0	0	0	3	
CO	RATON	1	0	0	1	0	0	0	1	1	3	1	8	
CO	SAN JUAN	2	1	1	1	1	3	0	4	4	3	0	20	
CO	UINTA-PICEANCE	6	2	0	0	0	1	3	0	1	0	0	13	
IL	ILLINOIS	4	0	0	2	0	3	2	0	0	0	0	11	
IN	ILLINOIS	1	3	0	1	1	1	2	1	0	0	0	10	
KS	ANADARKO	2	0	0	0	0	0	0	0	0	0	0	2	
KS	CHEROKEE/FOREST CITY	19	3	4	2	1	2	7	5	2	3	1	49	
KS	SALINA	3	0	0	0	0	0	0	0	0	0	0	3	
LA	ARKLA	1	0	0	0	0	3	0	0	0	0	0	4	
MT	POWDER RIVER	1	0	0	0	0	0	0	0	0	2	0	3	
MT	SWEETGRASS ARCH	1	0	0	0	0	0	0	0	0	0	0	1	
NM	RATON	0	0	1	0	0	0	0	0	0	1	0	2	
NM	SAN JUAN	4	6	6	1	2	4	10	7	7	8	1	56	
OH	APPALACHIAN	0	0	1	0	0	0	1	0	0	0	0	2	
OK	ANADARKO	35	7	5	1	0	4	7	3	0	4	0	66	
OK	ARKOMA	17	5	0	5	4	8	3	5	2	4	0	53	
PA	APPALACHIAN	14	1	1	0	1	4	2	2	0	2	0	27	
TX	FT. WORTH	1	0	0	0	0	0	0	0	0	0	0	1	
TX	PERMIAN	0	0	0	0	0	1	0	0	0	0	0	1	
TX	TEXAS GULF COAST	0	1	0	0	0	0	0	0	0	0	0	1	
UT	UINTA-PICEANCE	0	0	0	1	0	1	2	1	0	3	0	8	
VA	APPALACHIAN	0	1	0	0	1	1	0	1	0	0	2	6	
WV	APPALACHIAN	2	2	1	0	0	1	0	3	2	1	0	12	
WY	BIG HORN	1	0	0	0	0	0	0	0	0	0	0	1	
WY	GREEN RIVER	6	2	2	0	1	0	3	2	1	0	0	17	
WY	POWDER RIVER	7	4	1	2	1	6	10	14	7	21	6	79	
WY	WIND RIVER	3	1	1	0	0	0	1	0	0	0	0	6	
Total		137	41	24	17	15	43	54	50	29	61	13	484	

Table 18. Counts of Operators with Various Numbers of Wells by State

State	Number of Wells												Total
	1	2	3	4	5	6-10	11-20	21-50	51-100	100-1000	1000+		
AL	4	1	0	0	1	0	1	0	2	6	2	17	
AR	0	1	0	0	0	0	0	1	0	0	0	2	
CO	11	3	1	2	2	4	3	5	6	6	1	44	
IL	4	0	0	2	0	3	2	0	0	0	0	11	
IN	1	3	0	1	1	1	2	1	0	0	0	10	
KS	24	3	4	2	1	2	7	5	2	3	1	54	
LA	1	0	0	0	0	3	0	0	0	0	0	4	
MT	2	0	0	0	0	0	0	0	0	2	0	4	
NM	4	6	7	1	2	4	10	7	7	9	1	58	
OH	0	0	1	0	0	0	1	0	0	0	0	2	
OK	52	12	5	6	4	12	10	8	2	8	0	119	
PA	14	1	1	0	1	4	2	2	0	2	0	27	
TX	1	1	0	0	0	1	0	0	0	0	0	3	
UT	0	0	0	1	0	1	2	1	0	3	0	8	
VA	0	1	0	0	1	1	0	1	0	0	2	6	
WV	2	2	1	0	0	1	0	3	2	1	0	12	
WY	17	7	4	2	2	6	14	16	8	21	6	103	
Total	137	41	24	17	15	43	54	50	29	61	13	484	

Table 20. Counts of Operators with Various Numbers of Wells by Basin

Basin	Number of Wells											Total	
	1	2	3	4	5	6-10	11-20	21-50	51-100	100-1000	1000+		
ALABAMA/FLORIDA/MISSISSIPPI SALT DOME	1	0	0	0	0	1	0	0	0	0	0	0	2
ANADARKO	37	7	5	1	0	4	7	3	0	4	0	68	
APPALACHIAN	16	4	3	0	2	6	3	6	2	3	2	47	
ARKLA	1	0	0	0	0	3	0	0	0	0	0	4	
ARKOMA	17	6	0	5	4	8	3	6	2	4	0	55	
BIG HORN	1	0	0	0	0	0	0	0	0	0	0	1	
BLACK WARRIOR	3	1	0	0	0	0	1	0	1	5	2	13	
CAHABA	0	0	0	0	0	0	0	0	1	1	0	2	
CHEROKEE/FOREST CITY	19	3	4	2	1	2	7	5	2	3	1	49	
FT. WORTH	1	0	0	0	0	0	0	0	0	0	0	1	
GREEN RIVER	8	2	2	0	2	0	3	2	1	0	0	20	
ILLINOIS	5	3	0	3	1	4	4	1	0	0	0	21	
PERMIAN	0	0	0	0	0	1	0	0	0	0	0	1	
POWDER RIVER	8	4	1	2	1	6	10	14	7	23	6	82	
RATON	1	0	1	1	0	0	0	1	1	4	1	10	
SALINA	3	0	0	0	0	0	0	0	0	0	0	3	
SAN JUAN	6	7	7	2	3	7	10	11	11	11	1	76	
SWEETGRASS ARCH	1	0	0	0	0	0	0	0	0	0	0	1	
TEXAS GULF COAST	0	1	0	0	0	0	0	0	0	0	0	1	
UINTA-PICEANCE	6	2	0	1	0	2	5	1	1	3	0	21	
WIND RIVER	3	1	1	0	0	0	1	0	0	0	0	6	
Total	137	41	24	17	15	43	54	50	29	61	13	484	