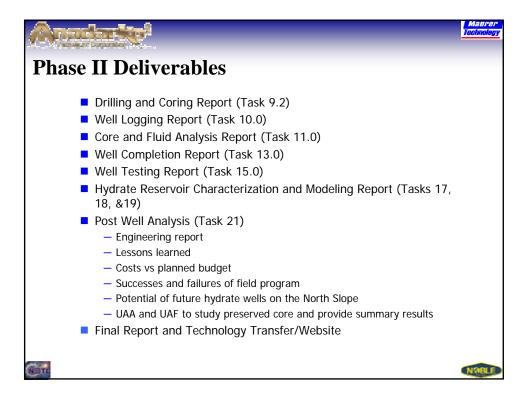
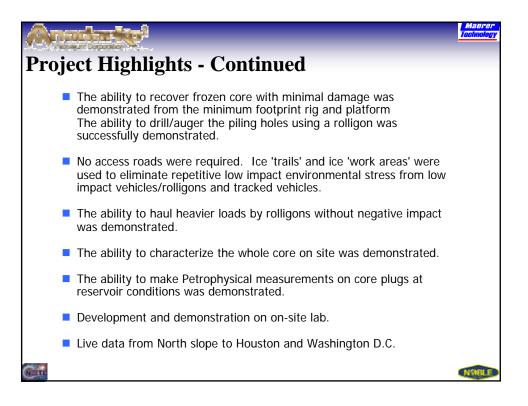


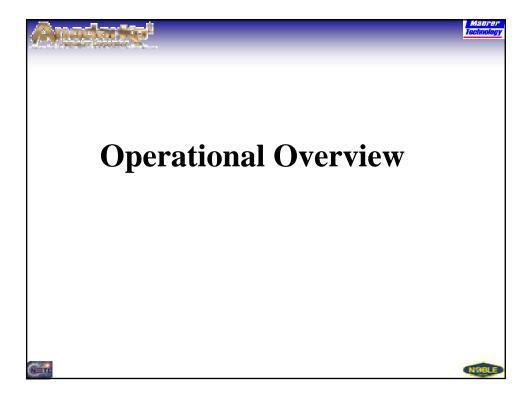


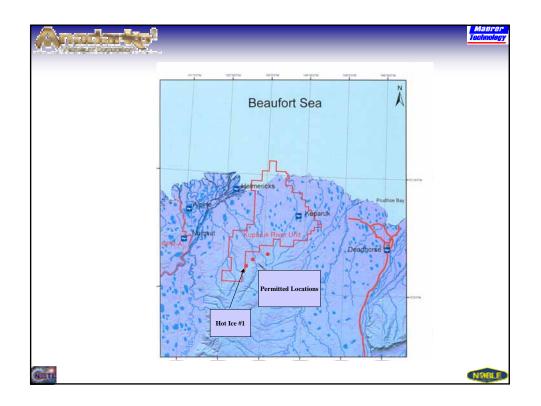
Ø	Maurer Jeohnology			
Phase II Participants				
~	<i>University of Alaska</i> – Supports Studies on Geology, Tundra, and Produced Water Disposal.			
~	<i>Lawrence Berkley National Lab (LBNL)</i> – Reservoir Modeling Used for Well Test Planning and Onsite Portable X-ray Scanner and Wellsite Operator (George Moridis and Barry Friefeld).			
~	<i>Sandia National Lab</i> – Provided Downhole Mud Pressure and Temperature Recording Tool.			
×	Pacific National Lab (PNL) – Provided Portable Infrared Scanner.			
~	<i>United States Geological Survey (USGS)</i> – Provided Synthetic Core for Drilling Tests, Phase Behavior Model for Hydrates, Pressure Vessels for Hydrate Core Storage and Technical Advice. Modeling of Hydrate Preservation and Dissociation (Steve Kirby). Provided Personnel for Coal Core and Analysis.			
~	<i>Schlumberger Oilfield Services</i> – Provided CMR Equipment Used in Mobile Core Lab and Two Onsite Analysts; and Well-Logging Services.			
×	Paulsson Geophysical Services – Scheduled for Vertical Seismic Profiling.			
~	<i>Advisory Board</i> – Craig Woolard, University of Alaska, Anchorage; Steve Bartz, Schlumberger; Steve Kirby, USGS; Tim Collette, USGS; Theresa Imm, Artic Slope Regional Commission; C. Sondergeld, University of Oklahoma; Richard Miller, University of Kansas; and David Young, Baker Hughes Inteq.			
C.	NARLE			

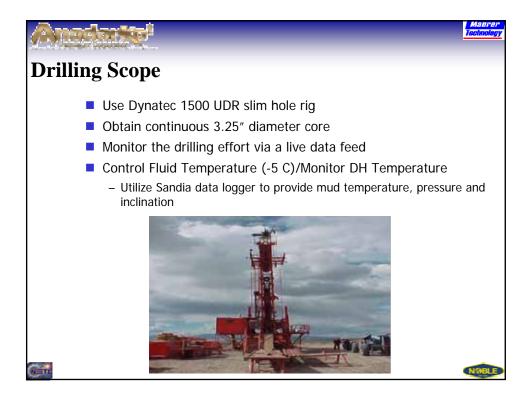


Anadarity	<b>Maurer</b> Technology
Project Highlights to Date	
Concept of early access and early surface occupation has been successfully demonstrated (or, it will be by the end of the Hot Ice project)	
Concept of low/minimal/virtually zero negative impact has been demonstrated (or, it will be by the end of the Hot Ice project)	
Working concept of the Arctic Platform has been demonstrated. Opportunities for improvement have been noted on this beta version.	
Leaving the temporary facility on location, loaded w/ equipment, has been demonstrated with minimum/no impact on surrounding wildlife and flora (plan to follow-up with a survey next summer.	
The facility was successfully operated as a "no discharge facility"	
	NOBLE

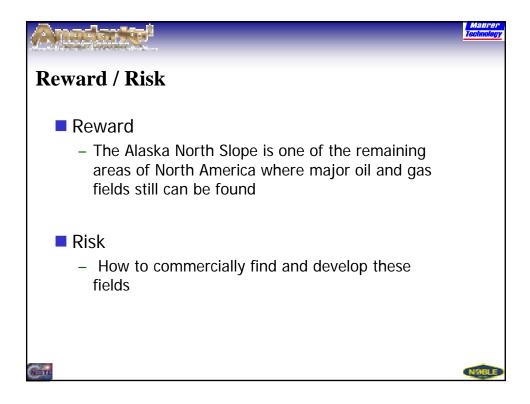


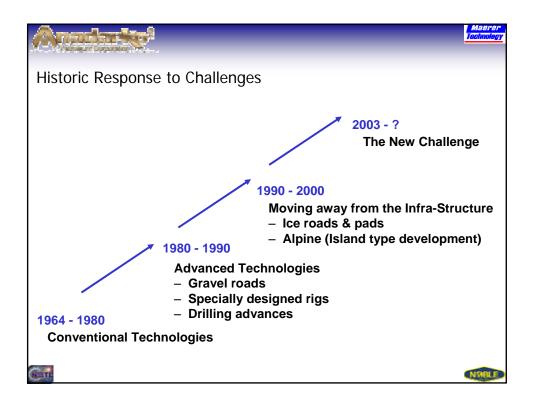




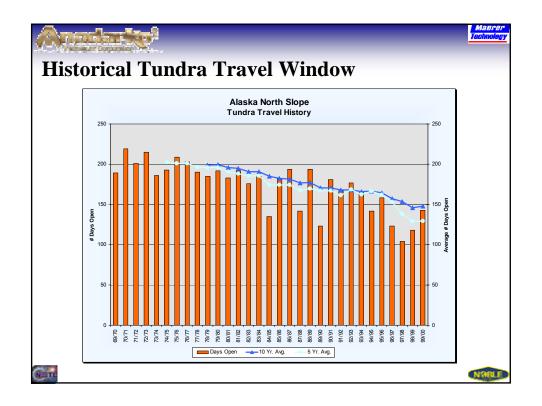




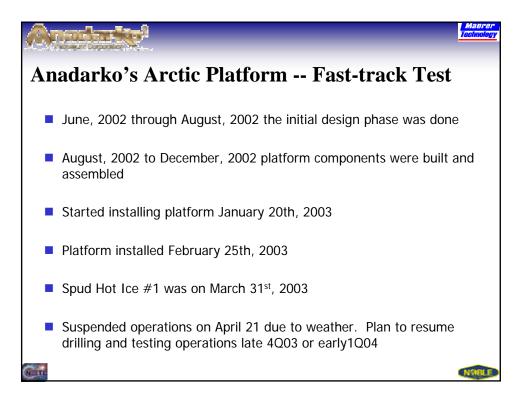








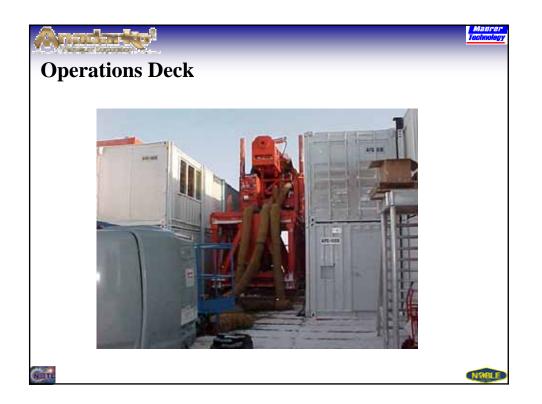




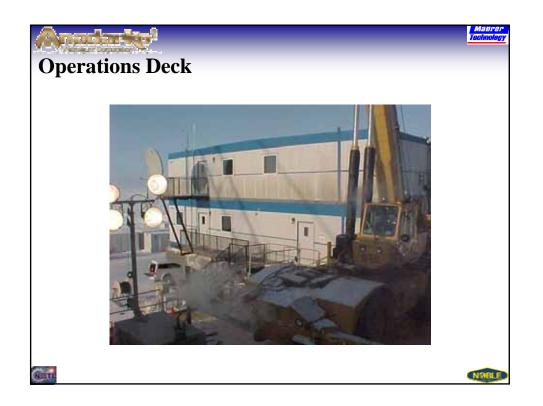


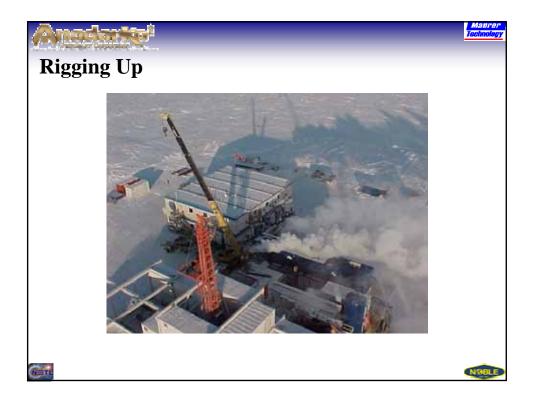






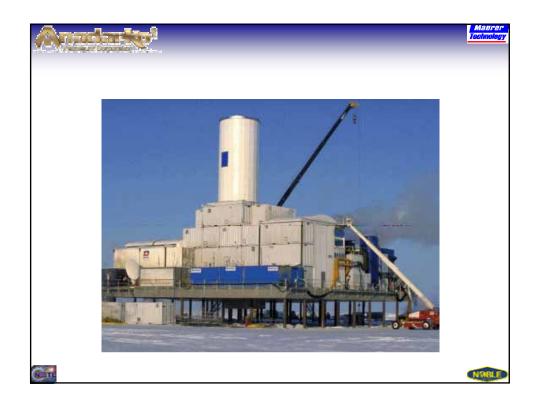




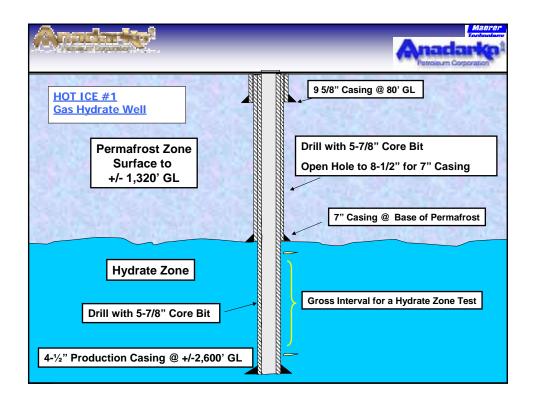


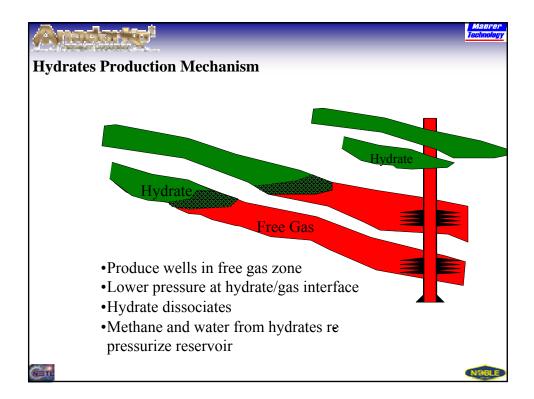


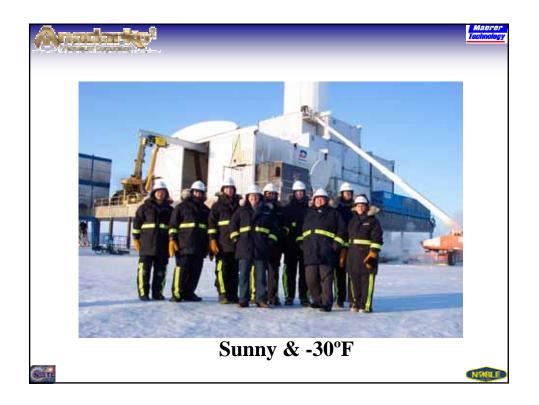




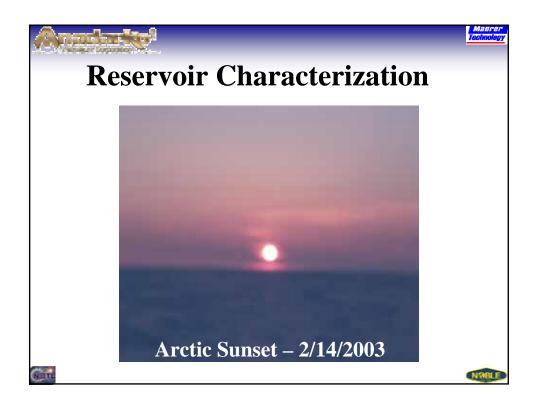
Angelariz <sup>a</sup>	Maurer Tochnology		
Current Status and Jan '04 Future Plans			
<ul> <li>Resume Drilling Operations         <ul> <li>Drill and core through the hydrate stability zone</li> <li>Completion and testing plans</li> <li>Perform operations without any accidents or spills</li> <li>Prove hydrates can be produced via depressurization</li> <li>Obtain well data to calibrate reservoir simulator</li> </ul> </li> <li>Data gathering objectives         <ul> <li>Gather production rate data</li> <li>Collect BHP data</li> <li>Collect water and gas samples from hydrate zone</li> <li>Conduct VSP</li> </ul> </li> </ul>			
<ul> <li>85 day schedule from mob to demob</li> </ul>			
NETL	NOBLE		

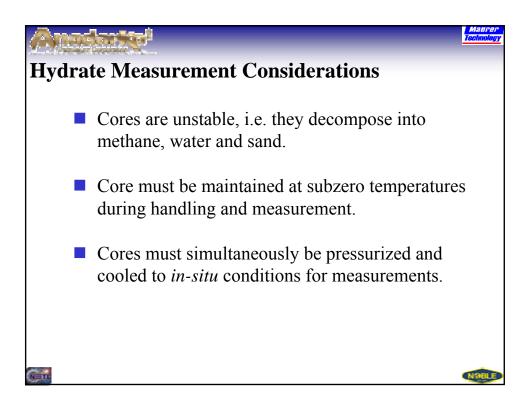


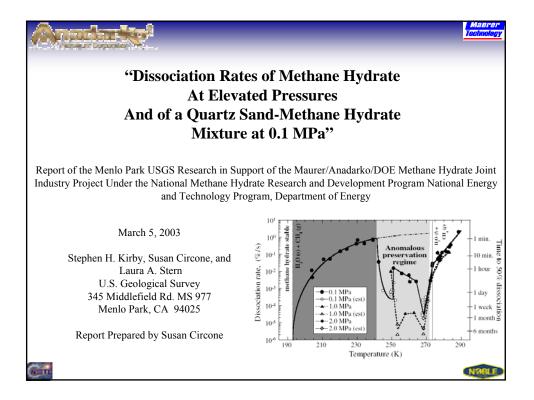


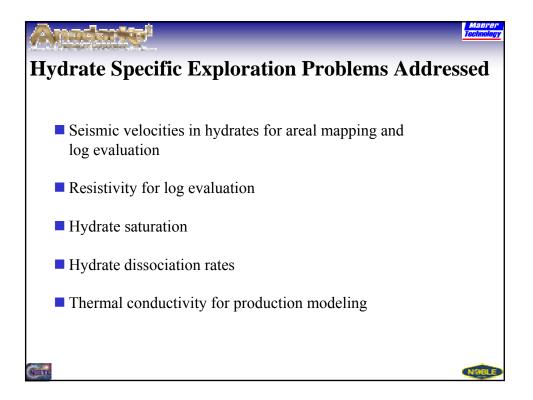


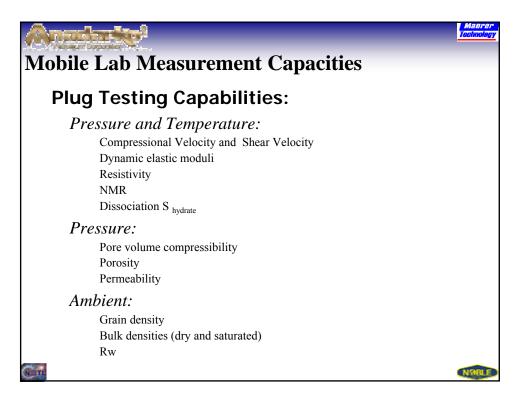


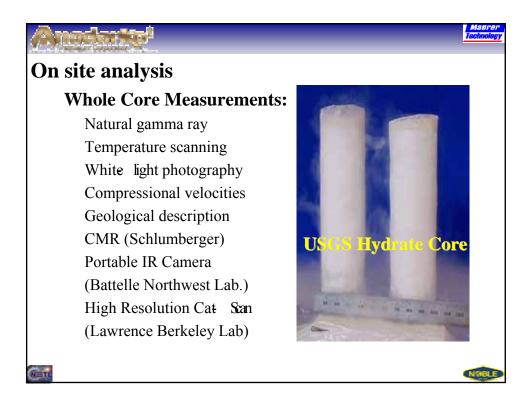


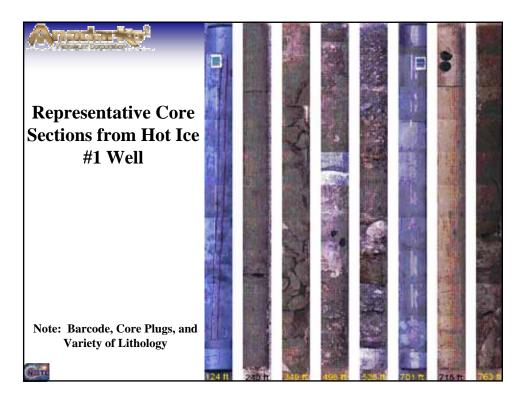




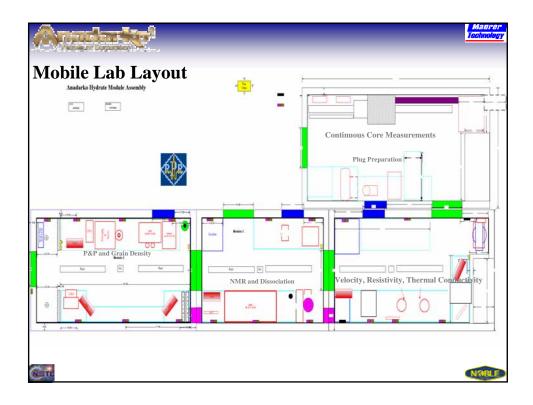


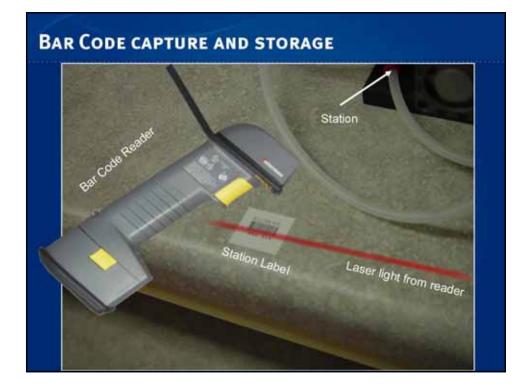


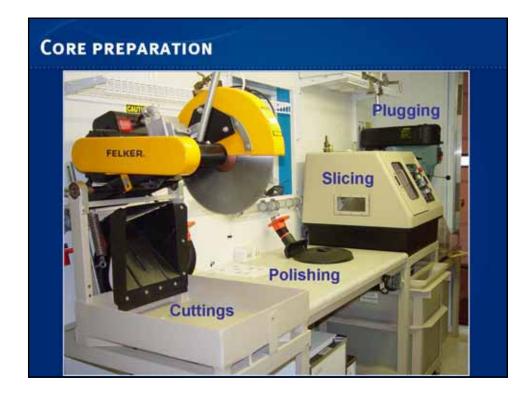


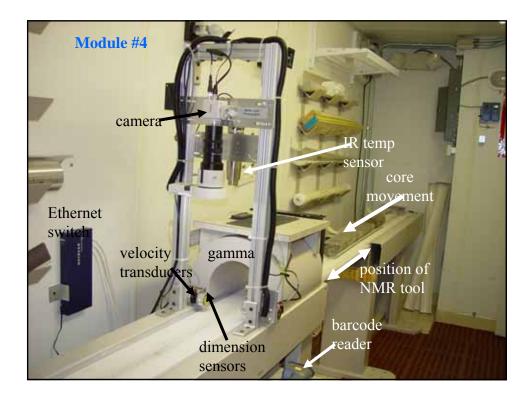


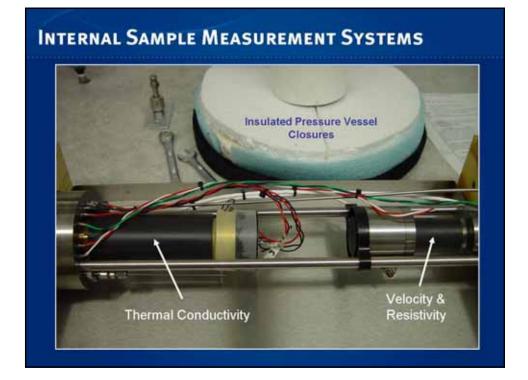


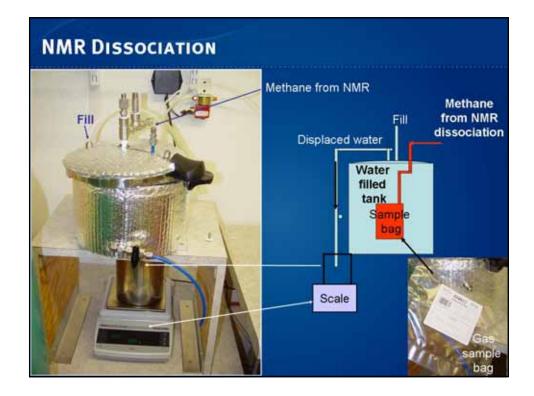


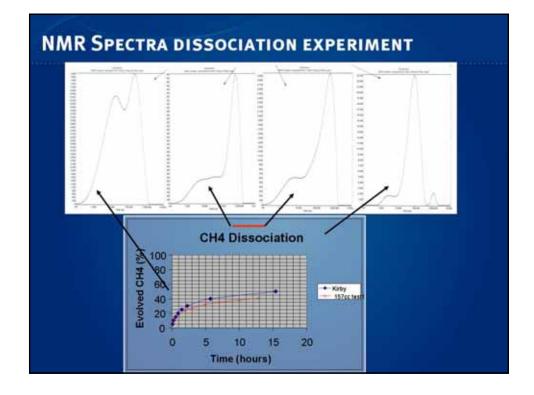




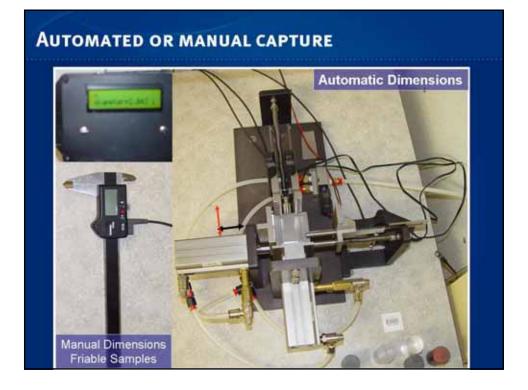




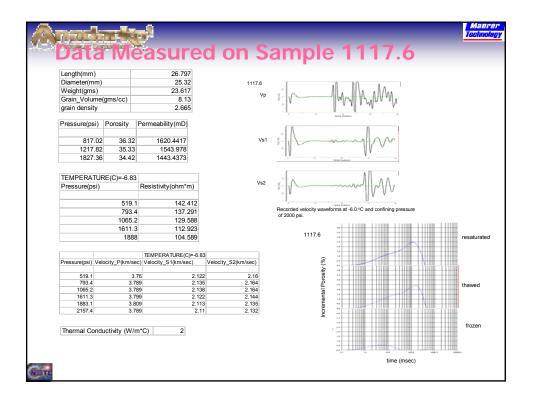


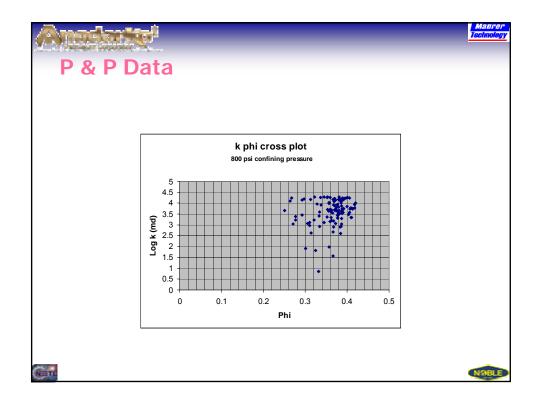


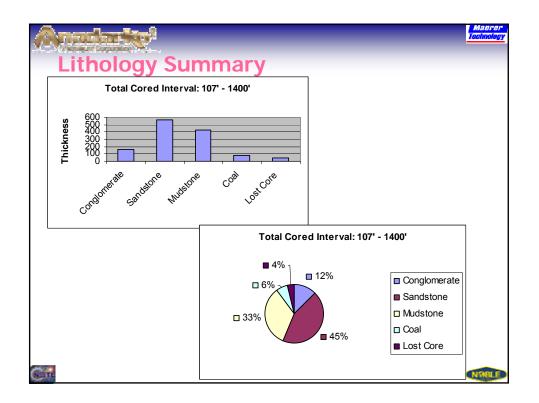














## Spadarky<sup>i</sup>

## **Recalculation of Base of Hydrate Stability Zone**

Maurei Tochnolog

NW

Information from the Hot Ice well and an analysis of the local geothermal gradient provided a new estimate for the base of the hydrate stability zone (BHSZ).

This re-analysis places the BHSZ at **2210 ft below the surface** at the Hot Ice location. This is **400 ft shallower** than the estimate based on regional maps from Collett et al. (1988).