



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Caerus Kansas LLC
 Po Dox 1378
 Hays Ks 67691 + 3974
 ATTN: Brian Karlin

18-17s-13w
Hoffman 18-34
 Job Ticket: 49336 **DST#: 1**
 Test Start: 2012.07.27 @ 16:28:52

GENERAL INFORMATION:

Formation: **Lansing A-E**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:11:52
 Tester: Jeff Brown
 Time Test Ended: 01:05:22
 Unit No: 44
Interval: 3180.00 ft (KB) To 3246.00 ft (KB) (TVD)
 Reference Elevations: 1923.00 ft (KB)
 Total Depth: 3246.00 ft (KB) (TVD) 1911.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

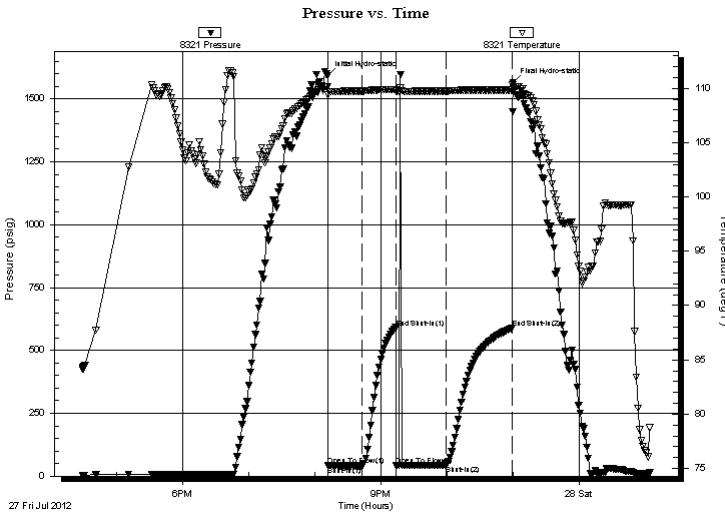
Serial #: 8321

Inside

Press @ RunDepth: 44.73 psig @ 3218.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.27 End Date: 2012.07.28 Last Calib.: 2012.07.28
 Start Time: 16:28:53 End Time: 01:05:22 Time On Btm: 2012.07.27 @ 20:11:22
 Time Off Btm: 2012.07.27 @ 23:00:22

TEST COMMENT: IFP=Weak surface blow died out in 11 min
 ISI=Dead no blow back
 FFP=Dead no blow flush tool dead
 FSI=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.42	110.16	Initial Hydro-static
1	41.45	109.37	Open To Flow (1)
32	40.86	109.76	Shut-In(1)
62	590.52	109.88	End Shut-In(1)
63	41.82	109.74	Open To Flow (2)
108	44.73	109.75	Shut-In(2)
168	589.20	109.85	End Shut-In(2)
169	1563.84	110.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Mud 100%M	0.11

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	Mud 100%M	0.112

Total Length: 8.00 ft Total Volume: 0.112 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8321

Inside

Caerus Kansas LLC

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DST Test Number: 1

Pressure vs. Time

