



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating
 1700 N. Waterfront Pkwy.
 Building 600
 Wichita, KS 67206
 ATTN: Bob Petersen

Sponey #1-33
S33-13s-31w Gove, KS
 Job Ticket: 43395 **DST#: 1**
 Test Start: 2011.07.23 @ 17:56:00

GENERAL INFORMATION:

Formation: **LKC 'E' F'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:48:20
 Time Test Ended: 23:45:50
 Interval: **4060.00 ft (KB) To 4090.00 ft (KB) (TVD)**
 Total Depth: 4090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2934.00 ft (KB)
 2929.00 ft (CF)
 KB to GR/CF: 5.00 ft

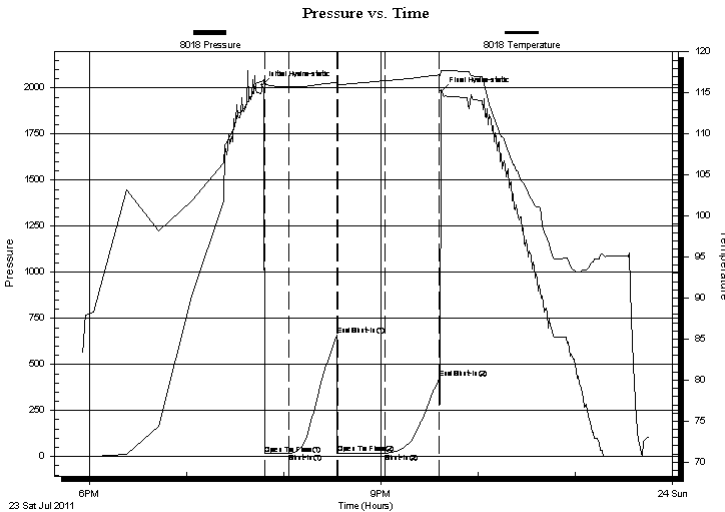
Serial #: 8018

Inside

Press @ Run Depth: 18.79 psig @ 4062.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.23 End Date: 2011.07.23 Last Calib.: 2011.07.23
 Start Time: 17:56:02 End Time: 23:45:49 Time On Btm: 2011.07.23 @ 19:46:40
 Time Off Btm: 2011.07.23 @ 21:37:20

TEST COMMENT: IF: No blow.
 IS: No return.
 FF: No blow, flushed tool, no blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.76	116.35	Initial Hydro-static
2	14.78	115.63	Open To Flow (1)
17	16.26	115.73	Shut-In(1)
47	659.39	116.29	End Shut-In(1)
47	16.47	115.88	Open To Flow (2)
76	18.79	116.49	Shut-In(2)
110	424.08	117.20	End Shut-In(2)
111	1982.45	117.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 100M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating

Sponey #1-33

1700 N. Waterfront Pkw y.
Building 600
Wichita, KS 67206
ATTN: Bob Petersen

S33-13s-31w Gove, KS

Job Ticket: 43395 **DST#: 1**

Test Start: 2011.07.23 @ 17:56:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	OSM 100M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

