



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Sponey #1-33
S33-13s-31w Gove, KS
Job Ticket: 43397 **DST#: 3**
Test Start: 2011.07.26 @ 03:50:00

GENERAL INFORMATION:

Formation: **Upper Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:56:40
Time Test Ended: 09:54:00
Interval: **4430.00 ft (KB) To 4520.00 ft (KB) (TVD)**
Total Depth: 4520.00 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

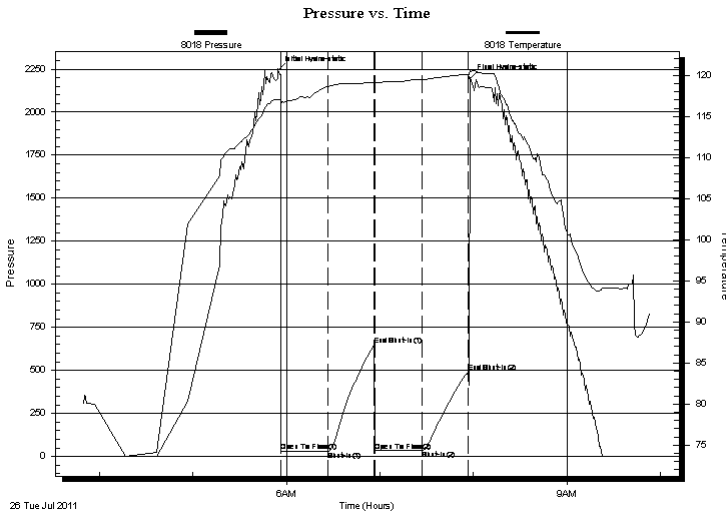
Serial #: 8018

Inside

Press @ RunDepth: 34.12 psig @ 4433.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.26 End Date: 2011.07.26 Last Calib.: 2011.07.26
Start Time: 03:50:02 End Time: 09:54:00 Time On Btm: 2011.07.26 @ 05:54:40
Time Off Btm: 2011.07.26 @ 07:57:50

TEST COMMENT: IF: 1/2" Blow died @ 5 min.
IS: No return.
FF: No blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.56	117.04	Initial Hydro-static
2	31.38	116.30	Open To Flow (1)
32	31.89	118.65	Shut-In(1)
62	646.88	119.16	End Shut-In(1)
62	32.91	118.65	Open To Flow (2)
93	34.12	119.46	Shut-In(2)
122	491.34	120.14	End Shut-In(2)
124	2197.06	120.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M100m	0.05

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: 43397 **DST#: 3**

Test Start: 2011.07.26 @ 03:50:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

