



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GRAND MESA OPERATING
 1700 N WATERFRONT PKWY BLDG 600
 WICHITA KS 67206
 ATTN: John Goldsmith

DBY # 2-16
16-16S-33W SCOTT
 Job Ticket: 43889 **DST#: 8**
 Test Start: 2011.09.18 @ 03:05:05

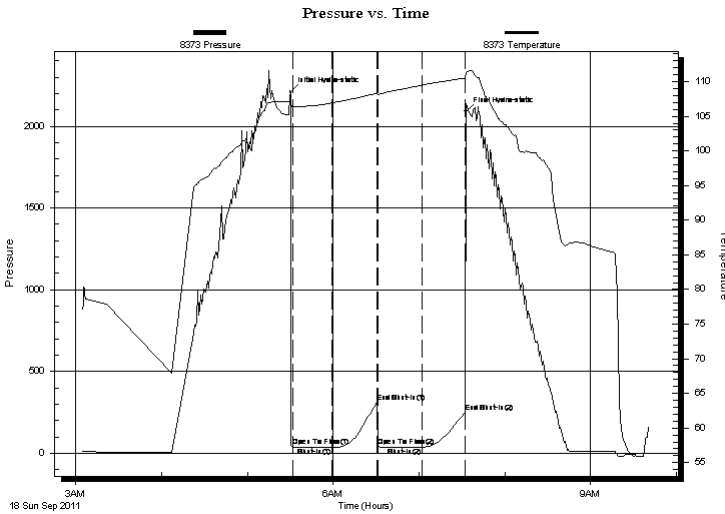
GENERAL INFORMATION:

Formation: **Ft. Scott / Vertigir**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:32:00
 Time Test Ended: 09:41:44
 Interval: **4454.00 ft (KB) To 4566.00 ft (KB) (TVD)**
 Total Depth: 4566.00 ft (KB) (TVD)
 Hole Diameter: 6.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Will MacLean
 Unit No: 35
 Reference Elevations: 3048.00 ft (KB)
 3037.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8373 Inside
 Press @ RunDepth: 35.23 psig @ 4455.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.18 End Date: 2011.09.18 Last Calib.: 2011.09.18
 Start Time: 03:05:00 End Time: 09:41:39 Time On Btm: 2011.09.18 @ 05:30:25
 Time Off Btm: 2011.09.18 @ 07:32:39

TEST COMMENT: IF- Weak Surface Blow
 IS- No Blow
 FF- Weak Surface Blow Died in 6 1/2min
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.16	107.12	Initial Hydro-static
2	41.13	106.47	Open To Flow (1)
29	34.17	106.93	Shut-In(1)
61	313.47	108.30	End Shut-In(1)
61	40.42	108.10	Open To Flow (2)
92	35.23	109.51	Shut-In(2)
122	253.42	110.52	End Shut-In(2)
123	2090.31	111.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w ith Oil Spots 100%m	0.10

Gas Rates

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



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FLUID SUMMARY

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DST#: 8

ATTN: John Goldsmith

Test Start: 2011.09.18 @ 03:05:05

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w ith Oil Spots 100%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

