



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

GRAND MESA OPERATING  
 1700 N WATERFRONT PKWY BLDG 600  
 WICHITA KS 67206  
 ATTN: KENT MATSON

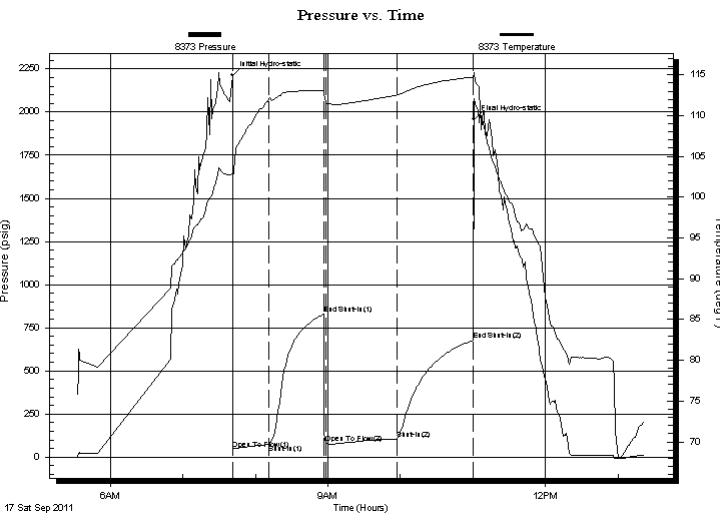
**DBY # 2-16**  
**16-16S-33W SCOTT**  
 Job Ticket: 43888 **DST#: 7**  
 Test Start: 2011.09.17 @ 05:33:00

## GENERAL INFORMATION:

Formation: **Altamont / Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:41:25  
 Time Test Ended: 13:22:09  
 Interval: **4406.00 ft (KB) To 4456.00 ft (KB) (TVD)**  
 Total Depth: 4456.00 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: 106.43 psig @ 4407.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.09.17 End Date: 2011.09.17 Last Calib.: 2011.09.17  
 Start Time: 05:33:00 End Time: 13:22:09 Time On Btm: 2011.09.17 @ 07:40:55  
 Time Off Btm: 2011.09.17 @ 11:00:39

**TEST COMMENT:** IF- BOB in 13min  
 IS- No Blow  
 FF- BOB in 12min  
 FS- Weak Surface Blow at 40min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.10	102.85	Initial Hydro-static
1	47.77	102.52	Open To Flow (1)
31	74.10	112.01	Shut-In(1)
76	830.56	113.08	End Shut-In(1)
77	77.92	111.72	Open To Flow (2)
136	106.43	112.52	Shut-In(2)
200	677.33	114.70	End Shut-In(2)
200	1956.55	115.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	OGCM 20%oil 30%g 50%m	0.30
64.00	GO 3%g 97%oil	0.31
124.00	WMGCO 5%w 15%m 25%g 55%oil	0.75
0.00	560 GIP	0.00

## Gas Rates

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



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**FLUID SUMMARY**

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**16-16S-33W SCOTT**

Job Ticket: 43888

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	OGCM 20%oil 30%g 50%m	0.305
64.00	GO 3%g 97%oil	0.315
124.00	WMGCO 5%w 15%m 25%g 55%oil	0.746
0.00	560 GIP	0.000

Total Length: 250.00 ft      Total Volume: 1.366 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is 38 @ 70f = 37

### Pressure vs. Time

