



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Mull Drilling Company

1700 N. Waterfront PKWY B #1200  
Wichita, Ks 67206

ATTN: Phil Askay

**APC- Tallman 2-3**

**3-18s-45w Kiowa, Co**

Job Ticket: 042062

**DST#: 3**

Test Start: 2011.03.12 @ 02:00:51

### GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:31

Time Test Ended: 09:55:30

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4036.00 ft (KB) To 4090.00 ft (KB) (TVD)**

Total Depth: 4090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 4001.00 ft (KB)

3991.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8373 Inside**

Press @ Run Depth: 460.99 psig @ 4037.00 ft (KB)

Start Date: 2011.03.12

End Date:

2011.03.12

Start Time: 02:00:51

End Time:

09:55:30

Capacity: 8000.00 psig

Last Calib.: 2011.03.12

Time On Btm: 2011.03.12 @ 03:52:31

Time Off Btm: 2011.03.12 @ 07:30:30

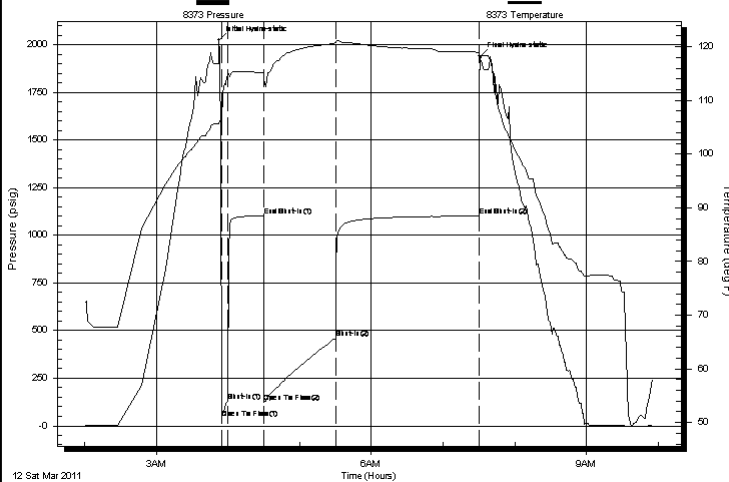
**TEST COMMENT:** IF: 1/4 blow built to 8 in 5 min.

IS: No return.

FF: BOB in 7 min.

FS: No return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.02	105.68	Initial Hydro-static
2	40.62	106.19	Open To Flow (1)
8	127.98	114.69	Shut-In(1)
38	1103.21	115.15	End Shut-In(1)
38	123.98	113.95	Open To Flow (2)
98	460.99	120.72	Shut-In(2)
218	1101.22	118.94	End Shut-In(2)
218	1939.59	117.15	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 70%w 30%m	2.70
496.00	w cm 40%w 60%m	6.96
196.00	w cm 20%w 80%m	2.75

### 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

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.98 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

12000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mcw 70%w 30%m	2.700
496.00	w cm 40%w 60%m	6.958
196.00	w cm 20%w 80%m	2.749

Total Length: 1002.00 ft      Total Volume: 12.407 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .56@70=12000

