



**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: 0402060

**DST#: 1**

Test Start: 2011.03.09 @ 18:10:05

### GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:23:45

Time Test Ended: 02:47:30

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 3765.00 ft (KB) To 3805.00 ft (KB) (TVD)**

Total Depth: 3805.00 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: 985.79 psig @ 3766.00 ft (KB)

Start Date: 2011.03.09

End Date:

2011.03.10

Start Time: 18:10:05

End Time:

02:47:30

Capacity: 8000.00 psig

Last Calib.: 2011.03.10

Time On Btm: 2011.03.09 @ 20:22:45

Time Off Btm: 2011.03.09 @ 23:59:59

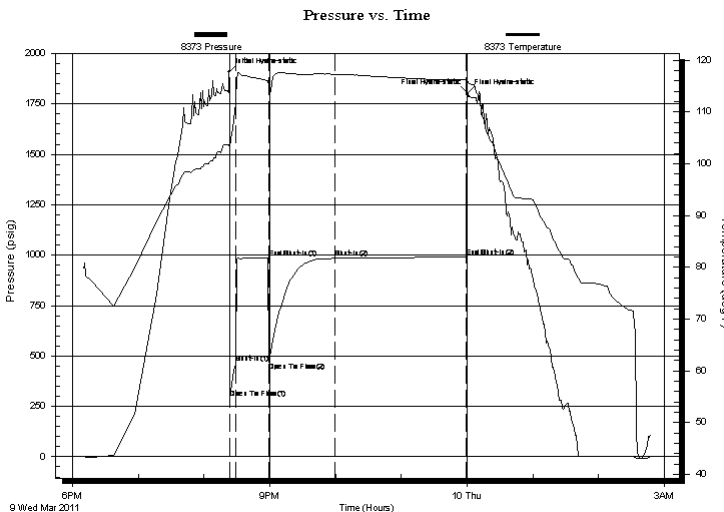
TEST COMMENT: IF: BOB in 1 min.

IS: No return.

FF: BOB in 1 min.

FS: No return.

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.66	103.50	Initial Hydro-static
1	292.90	103.00	Open To Flow (1)
6	465.38	112.45	Shut-In (1)
36	988.23	116.07	End Shut-In (1)
37	468.25	115.28	Open To Flow (2)
97	985.79	117.27	Shut-In (2)
217	991.07	116.16	End Shut-In (2)
218	1800.79	115.80	Final Hydro-static
218	1802.68	115.66	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1426.00	water 100%w	18.35
310.00	mcw 95%w 5%m	4.35
444.00	mcw 90%w 10%m	6.23

### 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: 47.00 sec/qt

Water Loss: 9.57 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

8500 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1426.00	water 100%w	18.354
310.00	mcw 95%w 5%m	4.348
444.00	mcw 90%w 10%m	6.228

Total Length: 2180.00 ft

Total Volume: 28.930 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .75@67=8500

