



**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: 042064

**DST#: 5**

Test Start: 2011.03.13 @ 20:30:53

### GENERAL INFORMATION:

Formation: **Marmaton- Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:25:33

Time Test Ended: 06:16:18

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4126.00 ft (KB) To 4220.00 ft (KB) (TVD)**

Reference Elevations: 4001.00 ft (KB)

Total Depth: 4220.00 ft (KB) (TVD)

3991.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373 Inside**

Press @ Run Depth: 701.92 psig @ 4127.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.13

End Date:

2011.03.14

Last Calib.: 2011.03.14

Start Time: 20:30:53

End Time:

06:16:18

Time On Btm: 2011.03.13 @ 22:24:33

Time Off Btm: 2011.03.14 @ 02:02:02

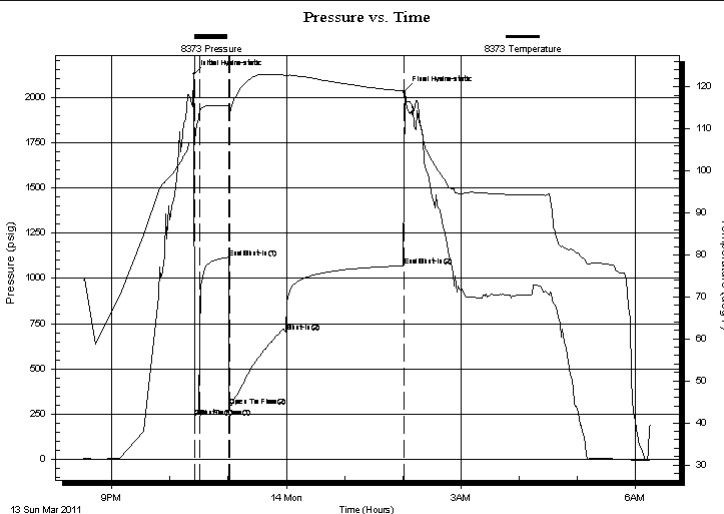
TEST COMMENT: IF: BOB

IS: No return.

FF: BOB. Gas to surface in 7 min.

FS: BOB in 1 min. 30 min to bleed blow off. blow died in 60 min.

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.59	106.86	Initial Hydro-static
1	232.58	106.77	Open To Flow (1)
6	281.26	113.04	Shut-In(1)
36	1115.39	115.44	End Shut-In(1)
38	294.29	113.62	Open To Flow (2)
96	701.92	122.67	Shut-In(2)
217	1070.15	119.04	End Shut-In(2)
218	2035.12	116.89	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
124.00	gocm 10%g 10%o 80%m	0.61
1302.00	mcgo 40%g 50%o 10%m	17.74
124.00	mcgo 60%g 20%o 20%m	1.74

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	31.00	15.92
Max. Gas Rate	0.13	31.00	15.92



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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: 57.00 sec/qt

Water Loss: 8.77 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 3500.00 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:

39 deg API

0 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	gocm 10%g 10%o 80%m	0.610
1302.00	mcgo 40%g 50%o 10%m	17.744
124.00	mcgo 60%g 20%o 20%m	1.739

Total Length: 1550.00 ft

Total Volume: 20.093 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 37@40=39

