



**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: 042063

**DST#: 4**

Test Start: 2011.03.12 @ 19:50:50

### GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:15

Time Test Ended: 03:26:44

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4101.00 ft (KB) To 4118.00 ft (KB) (TVD)**

Total Depth: 4118.00 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: 142.33 psig @ 4102.00 ft (KB)

Start Date: 2011.03.12

End Date:

2011.03.13

Start Time: 19:50:50

End Time:

03:26:44

Capacity: 8000.00 psig

Last Calib.: 2011.03.13

Time On Btm: 2011.03.12 @ 21:42:30

Time Off Btm: 2011.03.13 @ 01:20:44

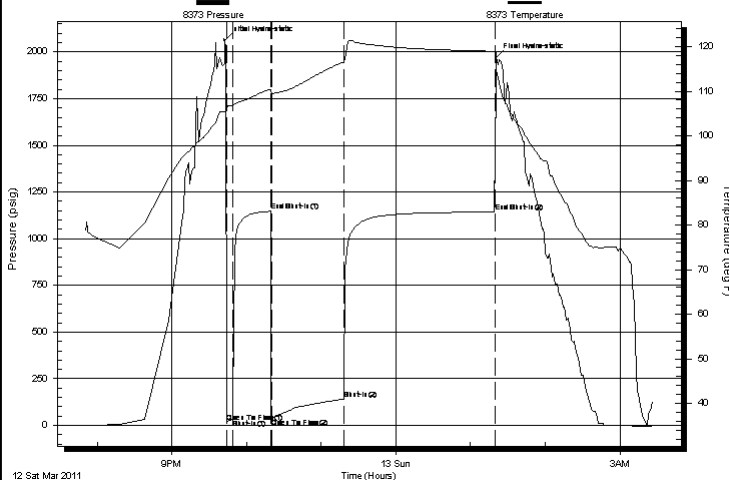
TEST COMMENT: IF: 1/4 blow built to 2 in 5 min.

IS: No return.

FF: Surface blow BOB in 50 min.

FS: No return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.10	105.40	Initial Hydro-static
2	18.03	106.00	Open To Flow (1)
7	32.44	106.75	Shut-In (1)
37	1147.17	110.45	End Shut-In (1)
38	38.61	109.91	Open To Flow (2)
96	142.33	116.56	Shut-In (2)
217	1143.82	118.95	End Shut-In (2)
219	1972.16	114.87	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	0.61
124.00	w cm 40%w 60%m	1.22

### 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: 56.00 sec/qt

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

Resistivity: 0.00 ohm.m

Salinity: 3200.00 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:

22000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 90%w 10%m	0.610
124.00	w cm 40%w 60%m	1.220

Total Length: 248.00 ft

Total Volume: 1.830 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .33@67=22000

