



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Company, Inc.

ATHornburg C #1-4

1700 N. Waterfront Parkw ay
Building 1200
Wichita, KS. 67206
ATTN: Kevin Kessler

4-20s-23w-Ness

Job Ticket: 39038

DST#: 1

Test Start: 2010.08.22 @ 07:43:45

GENERAL INFORMATION:

Formation: **Lansing-"H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:33:45

Time Test Ended: 15:48:15

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 4040.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2584.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2575.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6755

Inside

Press @RunDepth: 32.59 psig @ 4077.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.22

End Date:

2010.08.22

Last Calib.:

2010.08.22

Start Time: 07:43:47

End Time:

15:48:15

Time On Btm:

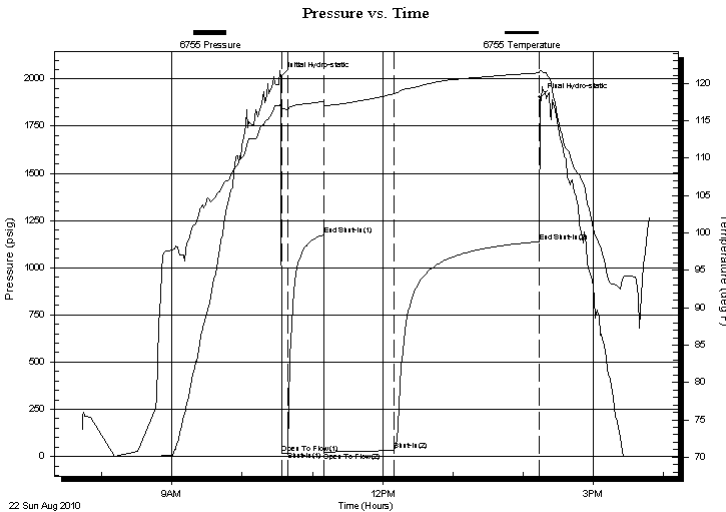
2010.08.22 @ 10:33:15

Time Off Btm:

2010.08.22 @ 14:14:30

TEST COMMENT: IFP-Weak Blow ,Built to 3/4"
ISI-Dead
FFP-Weak Blow ,Built to 3/4"
FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.64	117.36	Initial Hydro-static
1	17.42	116.65	Open To Flow (1)
6	27.99	116.54	Shut-In(1)
37	1174.74	117.57	End Shut-In(1)
37	20.73	117.10	Open To Flow (2)
97	32.59	118.61	Shut-In(2)
221	1138.62	121.43	End Shut-In(2)
222	1901.95	121.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud	0.63

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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	Drilling Mud	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

