

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
 1700 N Waterfront Pkwy
 Bldg 1200
 Wichita, Ks 67206
 ATTN: Kevin Kessler

Wierman B #1-17

17 16s 22w

Job Ticket: 040578 **DST#: 1**

Test Start: 2011.02.21 @ 19:31:30

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:22:30

Time Test Ended: 01:32:15

Interval: 4340.00 ft (KB) To 4425.00 ft (KB) (TVD)

Total Depth: 4425.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Reference Elevations: 2449.00 ft (KB)

2444.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8360

Inside

Press @RunDepth: 99.56 psig @ 4341.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.21

End Date:

2011.02.22

Last Calib.:

2011.02.22

Start Time: 19:31:35

End Time:

01:32:14

Time On Btm:

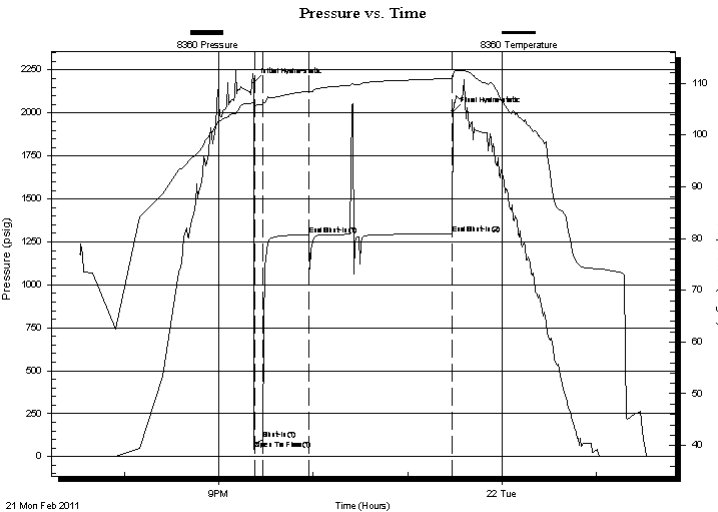
2011.02.21 @ 21:22:15

Time Off Btm:

2011.02.21 @ 23:28:30

TEST COMMENT: IF: 6 1/2 inch blow .
 IS: No return blow .
 FF: Surface blow , died @ 10 min, Flushed tool surface blow died.
 FS: No return blow .

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2176.21 | 106.32 | Initial Hydro-static |
| 1 | 42.38 | 105.52 | Open To Flow (1) |
| 6 | 99.56 | 106.07 | Shut-In(1) |
| 35 | 1292.27 | 108.50 | End Shut-In(1) |
| 126 | 1297.25 | 110.98 | End Shut-In(2) |
| 127 | 2010.32 | 111.26 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 160.00 | ocm 30%o 70% m | 1.15 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



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FLUID SUMMARY

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DST#: 1

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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: 7.79 in³
Resistivity: ohm.m
Salinity: 4200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 160.00 | ocm 30%o 70%m | 1.151 |

Total Length: 160.00 ft Total Volume: 1.151 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

