



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mull Drilling Co.

Jettie #1-34

1700 N Waterfront PKWY BLDG 1200 67206 6614

34/18/45

ATTN: Phil Askey

Job Ticket: 041215

DST#: 2

Test Start: 2011.05.11 @ 09:06:15

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:15

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4420.00 ft (KB) To 4450.00 ft (KB) (TVD)

Total Depth: 4450.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 3918.00 ft (KB)

3907.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6669 Inside

Press @ Run Depth: 46.58 psig @ 4421.00 ft (KB)

Start Date: 2011.05.11

End Date:

2011.05.11

Start Time: 09:06:15

End Time:

17:19:00

Capacity: 8000.00 psig

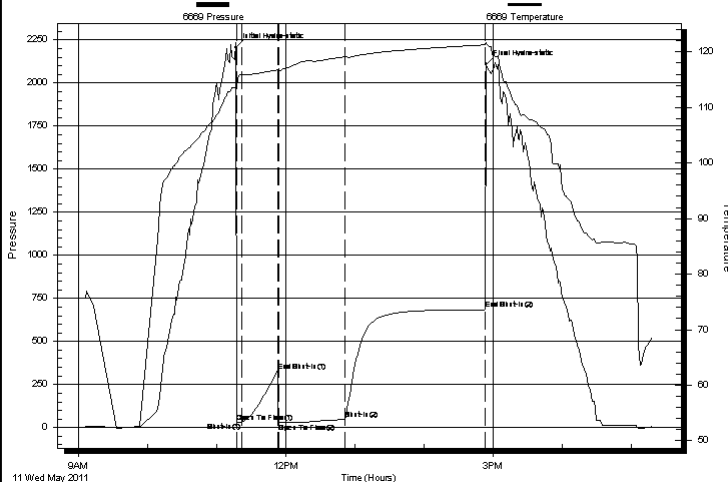
Last Calib.: 2011.05.11

Time On Btm: 2011.05.11 @ 11:16:45

Time Off Btm: 2011.05.11 @ 14:54:00

TEST COMMENT: IF: Built to 1" blow
IS: No return blow
FF: BOB in 10 seconds
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

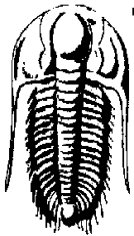
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.15	114.06	Initial Hydro-static
1	30.21	114.17	Open To Flow (1)
6	28.68	115.86	Shut-In(1)
37	330.09	116.78	End Shut-In(1)
37	27.47	116.98	Open To Flow (2)
95	46.58	119.16	Shut-In(2)
217	685.36	121.30	End Shut-In(2)
218	2108.80	121.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	m	0.06

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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FLUID SUMMARY

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ATTN: Phil Askey

Test Start: 2011.05.11 @ 09:06:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	m	0.061

Total Length: 10.00 ft

Total Volume: 0.061 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

