



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mull Drilling Co.

Jettie #1-34

1700 N Waterfront PKWY BLDG 1200 67206 6614

34/18/45

Job Ticket: 041217

DST#: 4

ATTN: Phil Askey

Test Start: 2011.05.14 @ 09:52:15

GENERAL INFORMATION:

Formation: **miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:12:45

Time Test Ended: 18:47:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4850.00 ft (KB) To 4870.00 ft (KB) (TVD)

Reference Elevations: 3918.00 ft (KB)

Total Depth: 4870.00 ft (KB) (TVD)

3907.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6669 Inside

Press @ Run Depth: 432.62 psig @ 4853.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.14

End Date:

2011.05.14

Last Calib.: 2011.05.14

Start Time: 09:52:15

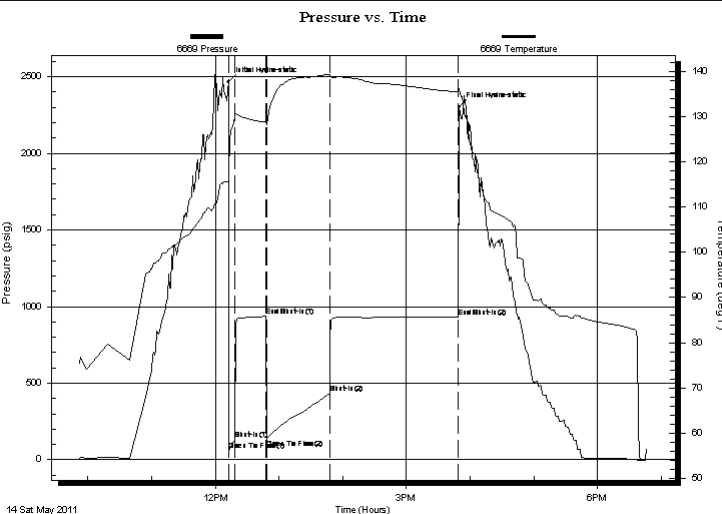
End Time:

18:47:00

Time On Btm: 2011.05.14 @ 12:12:15

Time Off Btm: 2011.05.14 @ 15:49:45

TEST COMMENT: IF: Built to 6" blow
IS: No return blow
FF: BOB 7 Min.
FS: Built to weak surface blow in 3 min. and died in 5 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2466.37	115.29	Initial Hydro-static
1	63.90	117.39	Open To Flow (1)
7	133.02	130.37	Shut-In(1)
36	938.40	128.77	End Shut-In(1)
36	134.43	128.10	Open To Flow (2)
96	432.62	139.21	Shut-In(2)
217	929.47	135.41	End Shut-In(2)
218	2302.23	136.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gco 50%g 50%o	1.16
62.00	gco 20%g 80%o	0.87
248.00	gcom 10%g 30%o 60% m	3.48
186.00	ocgm 10%o 20%g 30%m 40%w	2.61
243.00	mcw 10%m 90%w	3.41
124.00	free oil	1.74

Gas Rates

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

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DST#: 4

ATTN: Phil Askey

Test Start: 2011.05.14 @ 09:52:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

33 deg API

Water Salinity:

7500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gco 50%g 50%o	1.161
62.00	gco 20%g 80%o	0.870
248.00	gcom 10%g 30%o 60% m	3.479
186.00	ocgm10%o 20%g 30%m 40%w	2.609
243.00	mcw 10%m 90%w	3.409
124.00	free oil	1.739

Total Length: 1049.00 ft Total Volume: 13.267 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.06 @ 60"= 7500 ppm

