

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co Inc

1700 N Waterfront PKWY
B# 1200
Wichita, Ks
ATTN: Phil Askey

16-16s-46w Cheyenne, Col

State Scheimer #1-16

Job Ticket: 44457

DST#: 4

Test Start: 2011.10.20 @ 18:27:00

GENERAL INFORMATION:

Formation: **Miss.- Lower Warsaw**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 20:41:40

Time Test Ended: 02:59:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 5348.00 ft (KB) To 5372.00 ft (KB) (TVD)

Total Depth: 5372.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 4201.00 ft (KB)

4190.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018 Inside

Press @ Run Depth: 335.18 psig @ 5355.00 ft (KB)

Start Date: 2011.10.20

End Date:

2011.10.21

Start Time: 18:27:02

End Time:

02:59:19

Capacity: 8000.00 psig

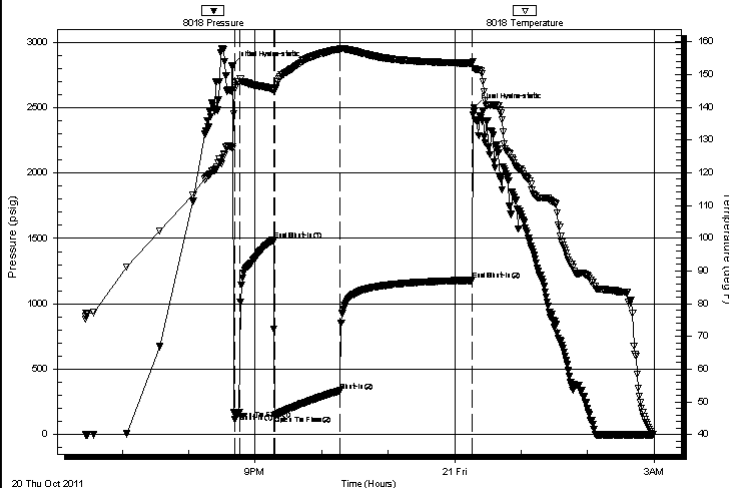
Last Calib.: 2011.10.21

Time On Btm: 2011.10.20 @ 20:39:10

Time Off Btm: 2011.10.21 @ 00:17:30

TEST COMMENT: 8" Blow .
No return.
B.O.B. @ 18 min.
No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2823.32	128.04	Initial Hydro-static
3	113.42	146.68	Open To Flow (1)
7	165.58	147.97	Shut-In(1)
38	1485.04	145.36	End Shut-In(1)
39	149.45	144.98	Open To Flow (2)
98	335.18	157.78	Shut-In(2)
217	1179.78	153.51	End Shut-In(2)
219	2501.41	151.81	Final Hydro-static

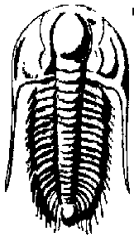
Recovery

Length (ft)	Description	Volume (bbl)
500.00	OSMW 40m60w Oil spots in tool.	5.34
220.00	M 100m	3.09
0.00	RW: 1220 @ 33 Degrees F = 10,000	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

Mull Drilling Co Inc

16-16s-46w Cheyenne, Col

1700 N Waterfront PKWY

State Scheimer #1-16

B# 1200

Job Ticket: 44457

DST#: 4

Wichita, Ks

Test Start: 2011.10.20 @ 18:27:00

ATTN: Phil Askey

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:

10000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	OSMW 40m 60w Oil spots in tool.	5.338
220.00	M 100m	3.086
0.00	RW: 1220 @ 33 Degrees F = 10,000	0.000

Total Length: 720.00 ft

Total Volume: 8.424 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Pill Spotted

Serial #: 8018

Inside

Mull Drilling Co Inc

State Scheimer #1-16

DST Test Number: 4

