

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: 44456

DST#: 3

Test Start: 2011.10.19 @ 14:37:00

GENERAL INFORMATION:

Formation: **Miss. - Spergen**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 16:54:50

Time Test Ended: 21:20:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 5217.00 ft (KB) To 5292.00 ft (KB) (TVD)

Total Depth: 5292.00 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: 36.25 psig @ 5218.00 ft (KB)

Start Date: 2011.10.19

End Date:

2011.10.19

Start Time: 14:37:02

End Time:

21:20:40

Capacity: 8000.00 psig

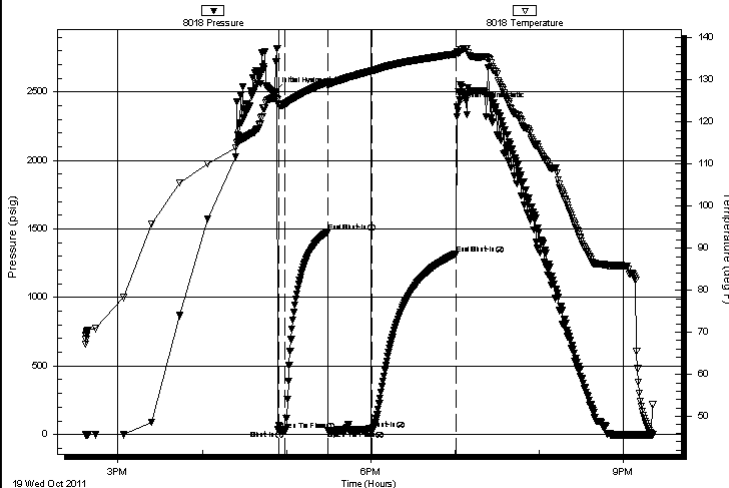
Last Calib.: 2011.10.19

Time On Btm: 2011.10.19 @ 16:51:50

Time Off Btm: 2011.10.19 @ 19:01:30

TEST COMMENT: 3/4" Blow .
No return.
No blow .
No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2500.14	125.68	Initial Hydro-static
3	27.70	123.99	Open To Flow (1)
8	28.21	124.26	Shut-In(1)
38	1479.26	129.46	End Shut-In(1)
38	30.86	128.65	Open To Flow (2)
70	36.25	132.16	Shut-In(2)
130	1321.42	136.17	End Shut-In(2)
130	2389.98	136.46	Final Hydro-static

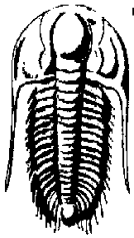
Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100m	0.15

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: 44456

DST#: 3

Wichita, Ks

Test Start: 2011.10.19 @ 14:37:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M 100m	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

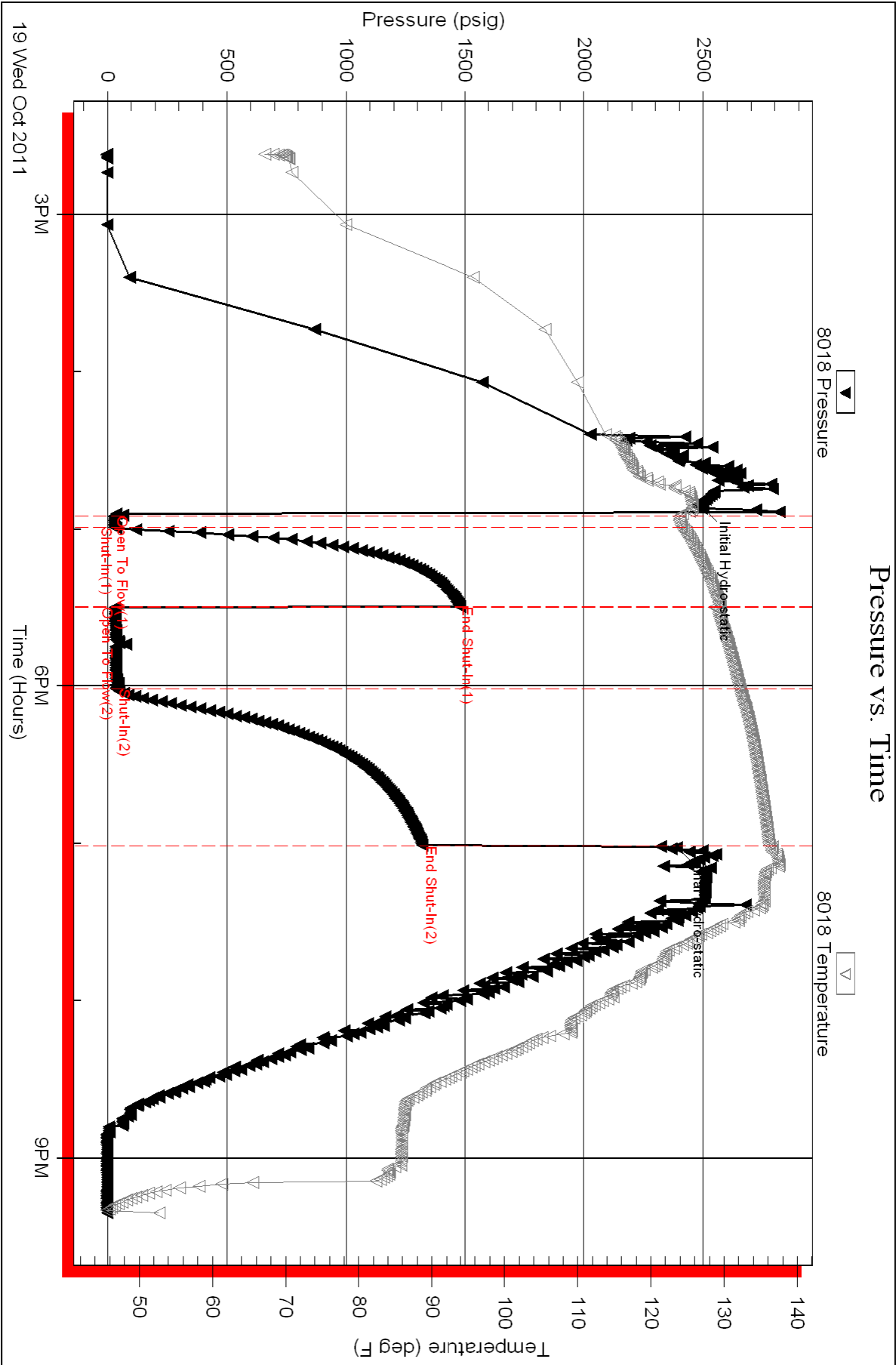
Serial #: 8018

Inside

Mull Drilling Co Inc

State Scheiner #1-16

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 44456

Printed: 2011.10.20 @ 08:53:07