



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co., Inc.
1700 N Waterfront Pkw y
Bldg 12000
Wichita, Ks 67206
ATTN: Phil Askey

S20-13s-27w Gove, KS

Coberly Unit #1-20

Job Ticket: 56269

DST#: 1

Test Start: 2014.04.14 @ 14:56:00

GENERAL INFORMATION:

Formation: **LKC 'J,K,L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:42

Time Test Ended: 20:55:06

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3954.00 ft (KB) To 4040.00 ft (KB) (TVD)

Reference Elevations: 2567.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2562.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 54.31 psig @ 3957.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.14

End Date:

2014.04.14

Last Calib.:

2014.04.14

Start Time: 14:56:05

End Time:

20:55:06

Time On Btm:

2014.04.14 @ 16:57:30

Time Off Btm:

2014.04.14 @ 19:14:36

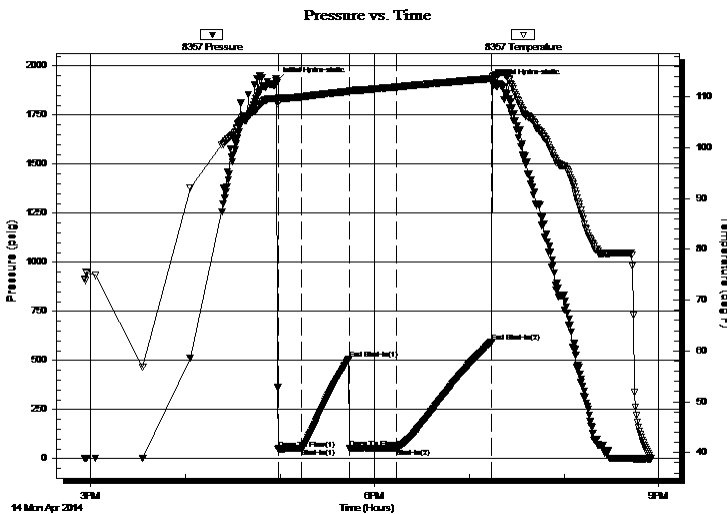
TEST COMMENT: 15- 2" Decreasing blow . Tool opened & slid 6', mud dropped about 10' feet in nipple.

30- No return.

30- No blow .

60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.49	109.63	Initial Hydro-static
2	49.18	108.87	Open To Flow (1)
16	52.62	109.95	Shut-In(1)
47	509.26	111.06	End Shut-In(1)
47	52.69	110.86	Open To Flow (2)
77	54.31	111.91	Shut-In(2)
137	595.49	113.59	End Shut-In(2)
138	1910.25	113.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	M100m	0.34

Gas Rates

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



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FLUID SUMMARY

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Wichita, Ks 67206
ATTN: Phil Askey

Coberly Unit #1-20

Job Ticket: 56269

DST#: 1

Test Start: 2014.04.14 @ 14:56:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	M 100m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

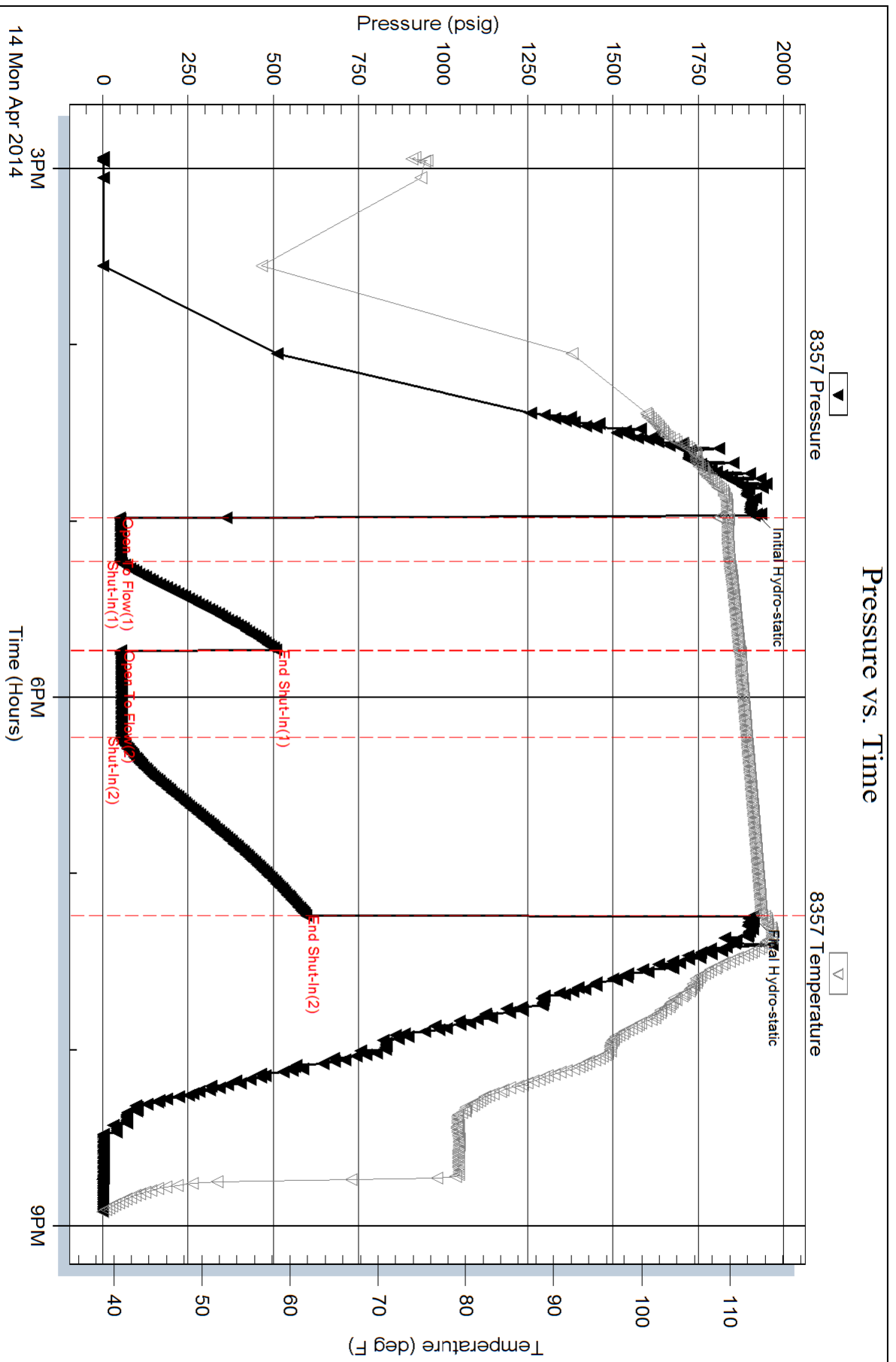
Inside

Mull Drilling Co., Inc.

Coberly Unit #1-20

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 56269

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