



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L Loeb LLC

20-27-18

Po Box 838
Lawrenceville IL 62439

Banta F # 1-20

ATTN: Jesse Middagh/ Jim H

Job Ticket: 50937

DST#: 2

Test Start: 2013.02.15 @ 15:55:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:21:15

Time Test Ended: 01:32:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: 4723.00 ft (KB) To 4770.00 ft (KB) (TVD)

Reference Elevations: 2199.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

2186.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6755 Inside

Press @ Run Depth: 152.06 psig @ 4724.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.15

End Date:

2013.02.16

Last Calib.:

2013.02.16

Start Time: 15:55:05

End Time:

01:32:15

Time On Btm:

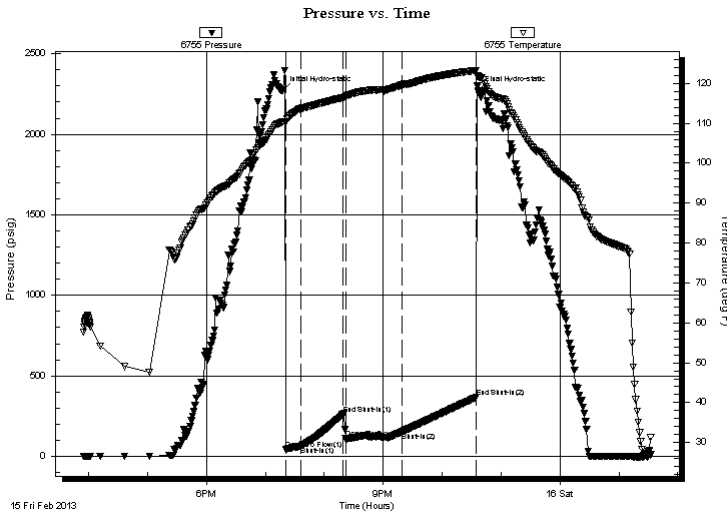
2013.02.15 @ 19:18:00

Time Off Btm:

2013.02.15 @ 22:36:30

TEST COMMENT: IF: Weak blow 4"
IS: No blow back
FF: Fair blow 5"
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.91	110.32	Initial Hydro-static
4	40.98	110.44	Open To Flow (1)
18	63.23	113.67	Shut-In(1)
61	260.93	116.43	End Shut-In(1)
64	109.33	116.54	Open To Flow (2)
121	152.06	119.59	Shut-In(2)
197	365.49	123.24	End Shut-In(2)
199	2270.84	121.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620' GIP	0.00
280.00	G,M 2%gas 98%mud	1.38

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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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: 62.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	620' GIP	0.000
280.00	G,M 2%gas 98%mud	1.377

Total Length: 280.00 ft Total Volume: 1.377 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

