



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman L Loeb LLC

20-27-18

Po Box 838
Lawrenceville IL 62439

Banta F # 1-20

Job Ticket: 50938

DST#: 3

ATTN: Jesse Middagh/ Jim H

Test Start: 2013.02.16 @ 12:55:43

GENERAL INFORMATION:

Formation: **Kinderhook Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:32:43
 Time Test Ended: 20:54:43
 Interval: **4819.00 ft (KB) To 4837.00 ft (KB) (TVD)**
 Total Depth: 4837.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 2199.00 ft (KB)
 2186.00 ft (CF)
 KB to GR/CF: 13.00 ft

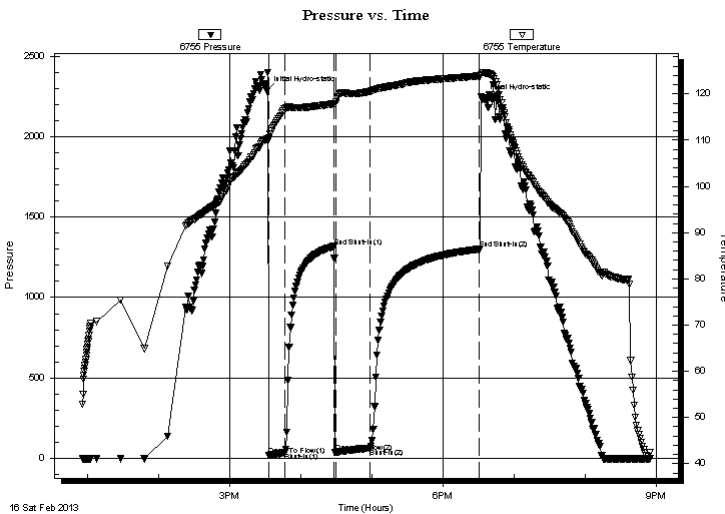
Serial #: 6755

Inside

Press @ Run Depth: 65.02 psig @ 4820.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.16
 Start Time: 12:55:48 End Time: 20:54:42 Time On Btm: 2013.02.16 @ 15:30:58
 Time Off Btm: 2013.02.16 @ 18:33:43

TEST COMMENT: IF: Weak blow 1"
 IS: No blow back
 FF: Weak blow 2"
 FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2282.70	110.24	Initial Hydro-static
2	18.93	110.24	Open To Flow (1)
16	39.97	116.89	Shut-In(1)
57	1317.27	117.90	End Shut-In(1)
59	38.85	118.27	Open To Flow (2)
88	65.02	120.57	Shut-In(2)
180	1300.95	123.90	End Shut-In(2)
183	2236.69	124.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	M,W 20% mud 80% water	0.39

* Recovery from multiple tests

Gas Rates

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



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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:

40 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
80.00	M,W 20%mud 80%water	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

