



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

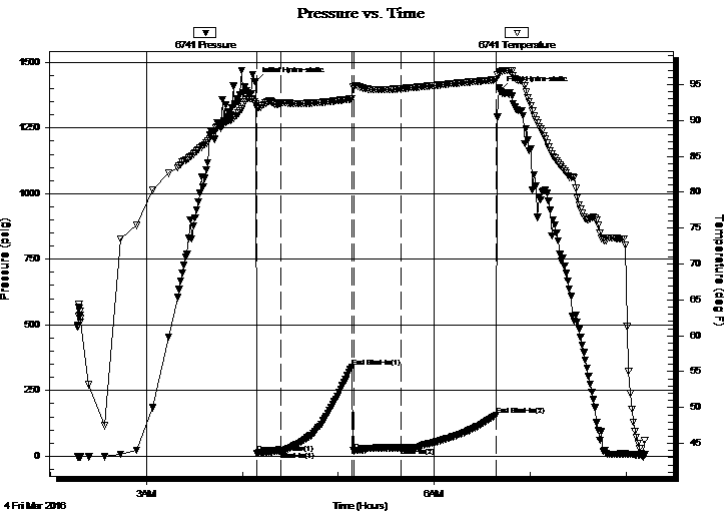
34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65081 **DST#: 1**
 Test Start: 2016.03.04 @ 02:17:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:09:00
 Time Test Ended: 08:12:00
 Interval: **2980.00 ft (KB) To 3010.00 ft (KB) (TVD)**
 Total Depth: 3010.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Great Bend/50
 Reference Elevations: 1936.00 ft (KB)
 1925.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6741 Inside
 Press@RunDepth: 31.84 psig @ 3006.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.04 End Date: 2016.03.04 Last Calib.: 2016.03.04
 Start Time: 02:17:05 End Time: 08:11:59 Time On Btm: 2016.03.04 @ 04:08:30
 Time Off Btm: 2016.03.04 @ 06:41:00

TEST COMMENT: Initial flow / Slow build to 1 1/4 inch
 Initial shut in / no blow back
 Final flow / Slow build to 1 3/4 inch
 Final shut in / no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.71	92.28	Initial Hydro-static
1	11.39	91.80	Open To Flow (1)
16	20.27	92.43	Shut-In(1)
60	339.05	93.00	End Shut-In(1)
61	20.12	94.63	Open To Flow (2)
91	31.84	94.42	Shut-In(2)
150	156.71	95.68	End Shut-In(2)
153	1393.34	96.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spotted mud/ Mud 100%	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65081 **DST#: 1**
 Test Start: 2016.03.04 @ 02:17:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil spotted mud/ Mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

