



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

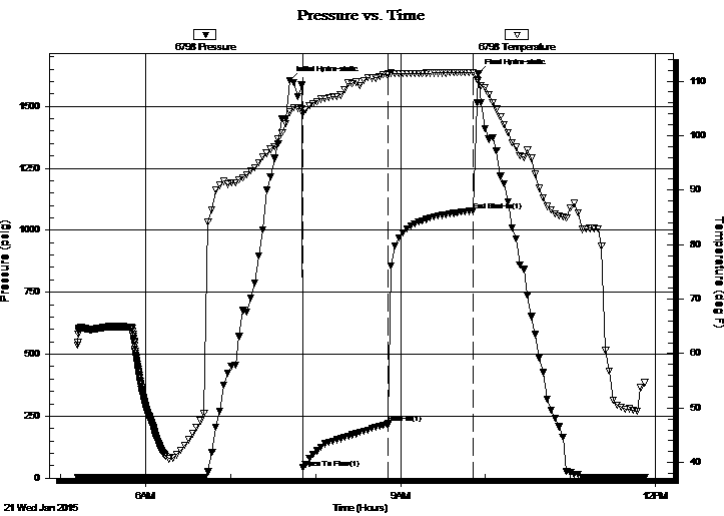
2-31S-3W Sumner
Southborough 1
 Job Ticket: 59897 **DST#: 2**
 Test Start: 2015.01.21 @ 05:12:09

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:50:54
 Time Test Ended: 11:54:09
 Interval: **3208.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Total Depth: 3260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1317.00 ft (KB)
 1308.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6798 Inside
 Press@RunDepth: 219.84 psig @ 3209.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.21 End Date: 2015.01.21 Last Calib.: 2015.01.21
 Start Time: 05:12:10 End Time: 11:54:09 Time On Btm: 2015.01.21 @ 07:41:54
 Time Off Btm: 2015.01.21 @ 09:54:54

TEST COMMENT: IF: Fair Blow , BOB in 16 minutes
 IS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1603.32	104.32	Initial Hydro-static
9	40.96	104.04	Open To Flow (1)
70	219.84	111.30	Shut-In(1)
130	1078.61	111.61	End Shut-In(1)
133	1633.15	110.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	MCW 12%M 88%W	1.19
126.00	MCW 24%M 76%W	1.77
90.00	Mud	1.26

* Recovery from multiple tests

Gas Rates

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



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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: 130000 ppm	
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	MCW 12%M 88%W	1.188
126.00	MCW 24%M 76%W	1.767
90.00	Mud	1.262

Total Length: 441.00 ft Total Volume: 4.217 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW was .10 @ 45 degrees

