



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Herman L.Loeb LLC  
 P.O.Box 838  
 Lawrenceville Il. 62439  
 ATTN: Jon Christensen

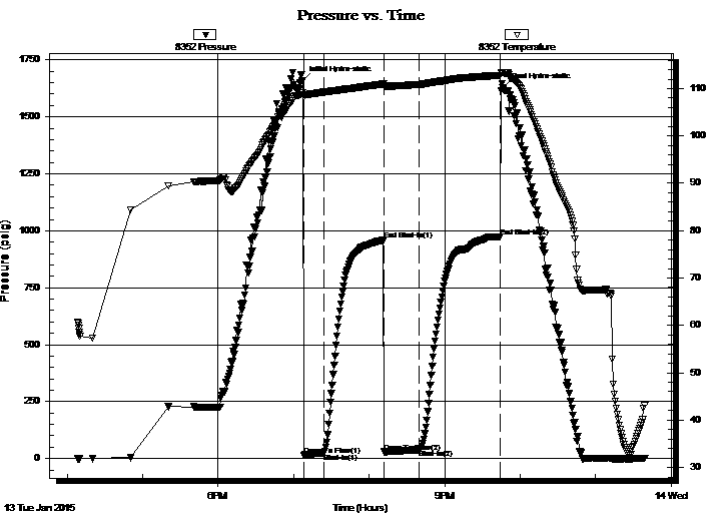
**2-31s-3w Sumner Ks.**  
**Clark #8**  
 Job Ticket: 59735 **DST#: 1**  
 Test Start: 2015.01.13 @ 16:08:15

## GENERAL INFORMATION:

Formation: **K.C. Swope**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 19:08:00 Tester: Gary Pevoteaux  
 Time Test Ended: 23:39:30 Unit No: 80  
 Interval: **3285.00 ft (KB) To 3325.00 ft (KB) (TVD)** Reference Elevations: 1299.00 ft (KB)  
 Total Depth: 3325.00 ft (KB) (TVD) 1290.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**  
 Press@RunDepth: 39.45 psig @ 3286.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.01.13 End Date: 2015.01.13 Last Calib.: 2015.01.13  
 Start Time: 16:08:20 End Time: 23:39:29 Time On Btm: 2015.01.13 @ 19:07:30  
 Time Off Btm: 2015.01.13 @ 21:46:15

TEST COMMENT: IF:Weak blow . 12 - 1 1/4".  
 IS:No blow .  
 FF:Weak blow . 14 - 3/4".  
 FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1658.31	109.10	Initial Hydro-static
1	15.29	108.18	Open To Flow (1)
17	24.41	109.23	Shut-In(1)
64	958.67	110.95	End Shut-In(1)
65	29.36	110.58	Open To Flow (2)
92	39.45	110.86	Shut-In(2)
157	974.23	112.80	End Shut-In(2)
159	1628.03	113.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	MW /w few o specs 17% m 83% w	0.27
0.00	Rw .21 ohms @ 35 deg	0.00

## 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:

74000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	MW /w few o specs 17%m 83%w	0.270
0.00	Rw .21 ohms@ 35 deg	0.000

Total Length: 55.00 ft

Total Volume: 0.270 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

