



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**21-27s-18w**  
**BANTA "F" 1-21**  
Job Ticket: 57877      **DST#: 2**  
Test Start: 2015.06.10 @ 19:15:19

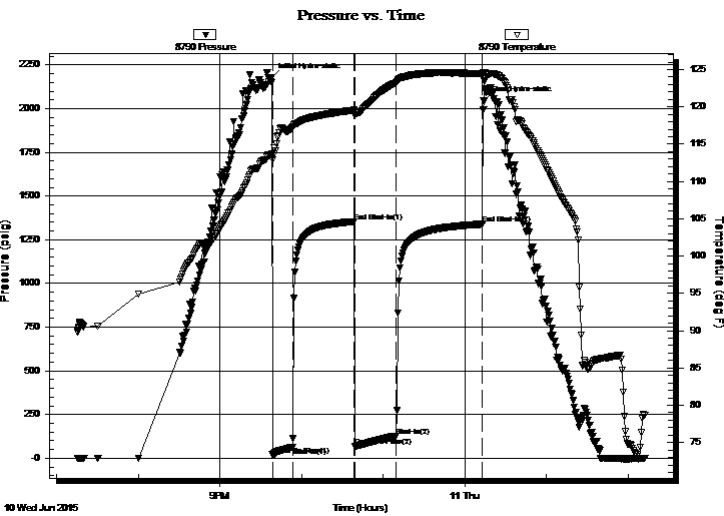
## GENERAL INFORMATION:

Formation: **KC "J"**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 21:38:34  
 Time Test Ended: 02:12:49  
 Interval: **4458.00 ft (KB) To 4474.00 ft (KB) (TVD)**  
 Total Depth: 4474.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ryan Reynolds  
 Unit No: 68  
 Reference Elevations: 2224.00 ft (KB)  
 2211.00 ft (CF)  
 KB to GR/CF: 13.00 ft

## Serial #: 8790

Press@RunDepth: 127.54 psig @ 4464.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.06.10      End Date: 2015.06.11      Last Calib.: 2015.06.11  
 Start Time: 19:15:24      End Time: 02:12:48      Time On Btm: 2015.06.10 @ 21:38:19  
 Time Off Btm: 2015.06.11 @ 00:14:04

TEST COMMENT: IF: Fair blow . surf. - 6"  
 IS: No blow .  
 FF: Good blow . surf. - 8"  
 FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.50	113.63	Initial Hydro-static
1	19.33	112.92	Open To Flow (1)
15	64.12	117.18	Shut-In(1)
61	1353.45	119.55	End Shut-In(1)
61	69.73	118.82	Open To Flow (2)
91	127.54	123.23	Shut-In(2)
155	1339.55	124.41	End Shut-In(2)
156	2043.56	124.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	MCW 10%m, 90%w	2.13

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**BANTA "F" 1-21**

Job Ticket: 57877

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2015.06.10 @ 19:15:19

## 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:

75000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.08 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	MCW 10%m, 90%w	2.128

Total Length: 190.00 ft

Total Volume: 2.128 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

