



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**4-28s-18w Kiowa Co.,Ks.**

**White # 2-4**

Job Ticket: 54138      **DST#: 3**  
 Test Start: 2014.08.30 @ 10:35:14

## GENERAL INFORMATION:

Formation: **Miss., Chert**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 12:27:44  
 Time Test Ended: 18:30:14  
 Interval: **4840.00 ft (KB) To 4855.00 ft (KB) (TVD)**  
 Total Depth: 4855.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Matt Smith  
 Unit No: 53  
 Reference Elevations: 2233.00 ft (KB)  
 2220.00 ft (CF)  
 KB to GR/CF: 13.00 ft

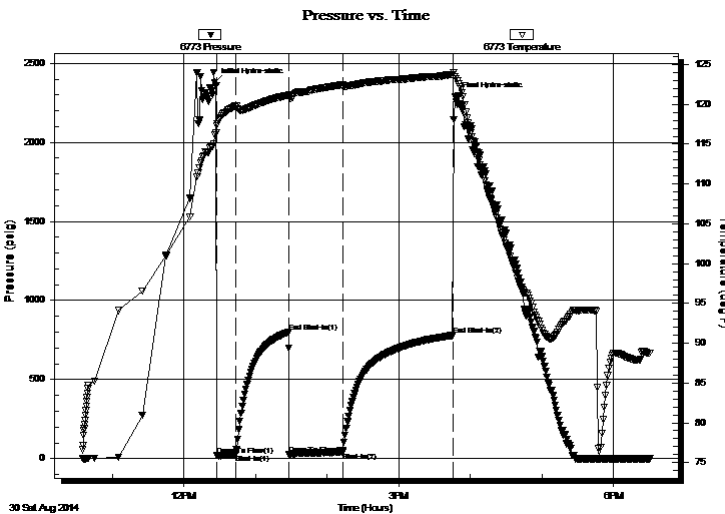
## Serial #: 6773

Inside

Press@RunDepth: 42.63 psig @ 4841.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.08.30      End Date: 2014.08.30      Last Calib.: 2014.08.30  
 Start Time: 10:35:19      End Time: 18:30:13      Time On Btm: 2014.08.30 @ 12:25:59  
 Time Off Btm: 2014.08.30 @ 15:46:59

TEST COMMENT: IF: Strong blow . B.O.B. in 1min 15 secs.  
 IS: Weak blow . Surf., -3".  
 FF: Strong blow . B.O.B. immediate.  
 FS: Weak blow . Surf., -4".

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.80	116.23	Initial Hydro-static
2	18.92	117.35	Open To Flow (1)
18	26.06	119.80	Shut-In(1)
62	800.80	121.16	End Shut-In(1)
63	25.15	120.98	Open To Flow (2)
107	42.63	122.45	Shut-In(2)
200	779.55	123.76	End Shut-In(2)
201	2289.68	123.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 5%o 95%m	0.02
60.00	GOWCM 15%g 15%o 20%w 50%M	0.30
0.00	1723' G.I.P. 100%g	0.00

\* 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:	39000 ppm
Viscosity: 72.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 5%o 95%m	0.025
60.00	GOWCM 15%g 15%o 20%w 50%M	0.295
0.00	1723' G.I.P. 100%g	0.000

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: RW is 87 degrees @ .15 = 39,000

