

**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: 54137

DST#: 2

Test Start: 2014.08.29 @ 18:47:58

GENERAL INFORMATION:

Formation: **Miss., Chert**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 21:17:13

Time Test Ended: 03:21:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: 4793.00 ft (KB) To 4840.00 ft (KB) (TVD)

Total Depth: 4840.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2233.00 ft (KB)

2220.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6773 Inside

Press @ Run Depth: 41.29 psig @ 4794.00 ft (KB)

Start Date: 2014.08.29

End Date: 2014.08.30

Start Time: 18:48:03

End Time: 03:21:43

Capacity: 8000.00 psig

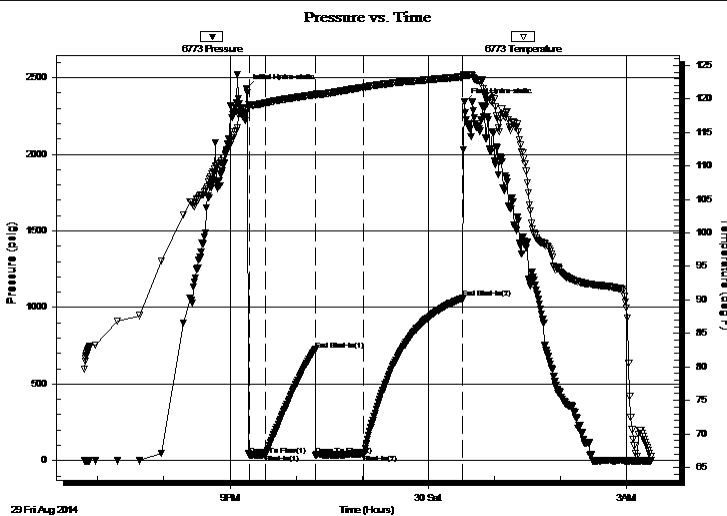
Last Calib.: 2014.08.30

Time On Btm: 2014.08.29 @ 21:14:43

Time Off Btm: 2014.08.30 @ 00:32:43

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
 IS: Weak blow . Surf., - 1/2".
 FF: Strong blow . B.O.B. in 10 secs.
 FS: Fair blow . Surf., - 7".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2430.71	118.31	Initial Hydro-static
3	37.16	119.09	Open To Flow (1)
18	38.58	119.38	Shut-In(1)
63	724.69	120.63	End Shut-In(1)
63	34.14	120.45	Open To Flow (2)
107	41.29	121.72	Shut-In(2)
197	1059.63	123.29	End Shut-In(2)
198	2340.15	123.55	Final Hydro-static

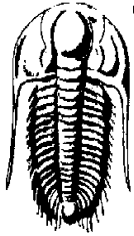
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig Mud 100%m	0.07
	781' G.I.P. 100%g	

Gas Rates

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

* Recovery from multiple tests



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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:	8000 ppm
Viscosity: 72.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	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
15.00	Drig Mud 100%m	0.074
	781' G.I.P. 100%g	

Total Length: -999984.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

