



**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: 54136 **DST#: 1**
 Test Start: 2014.08.28 @ 18:11:42

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 22:01:57
 Time Test Ended: 02:39:27
 Interval: **4678.00 ft (KB) To 4713.00 ft (KB) (TVD)**
 Total Depth: 4713.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Matt Smith
 Unit No: 53
 Reference Elevations: 2233.00 ft (KB)
 2220.00 ft (CF)
 KB to GR/CF: 13.00 ft

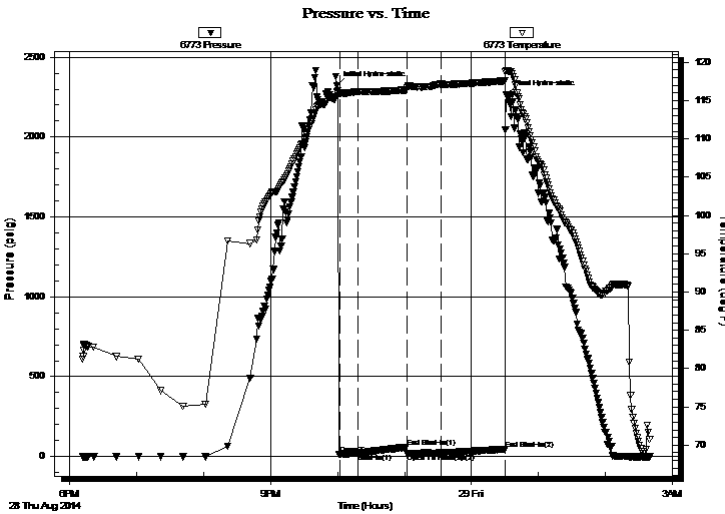
Serial #: 6773

Inside

Press@RunDepth: 22.34 psig @ 4679.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.28 End Date: 2014.08.29 Last Calib.: 2014.08.29
 Start Time: 18:11:47 End Time: 02:39:26 Time On Btm: 2014.08.28 @ 21:59:27
 Time Off Btm: 2014.08.29 @ 00:31:27

TEST COMMENT: IF: Weak blow . Surf., - 3/4".
 IS: No blow .
 FF: Weak blow . Surf., - 1/2".
 FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.24	116.14	Initial Hydro-static
3	13.85	115.94	Open To Flow (1)
19	19.17	116.21	Shut-In(1)
63	59.16	116.39	End Shut-In(1)
63	18.63	116.67	Open To Flow (2)
94	22.34	117.16	Shut-In(2)
151	45.73	117.59	End Shut-In(2)
152	2265.37	118.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig Mud 100% m	0.05

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:	4500 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	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
10.00	Drig Mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

