



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Loeb LLC
 P.O.Box 838
 Lawrenceville Il. 62439
 ATTN: Tom Pronold

22-33s-26w Meade Ks.
Coolhand#1-22
 Job Ticket: 54237 **DST#: 1**
 Test Start: 2014.07.27 @ 06:40:03

GENERAL INFORMATION:

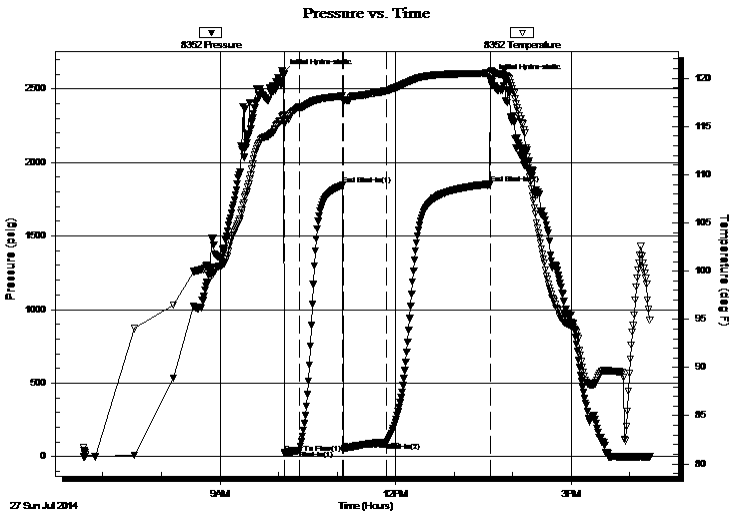
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:06:03
 Time Test Ended: 16:21:18
 Interval: **5235.00 ft (KB) To 5275.00 ft (KB) (TVD)**
 Total Depth: 5275.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 2293.00 ft (KB)
 2282.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 94.75 psig @ 5236.00 ft (KB)
 Start Date: 2014.07.27 End Date: 2014.07.27
 Start Time: 06:40:08 End Time: 16:21:18
 Capacity: 8000.00 psig
 Last Calib.: 2014.07.27
 Time On Btm: 2014.07.27 @ 10:04:33
 Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 13 mins.
 IS: No blow .
 FF: Strong blow . B.O.B. in 20 secs.
 FS: Very weak blow . 1/4" or less.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2605.22	116.09	Initial Hydro-static
2	22.21	115.22	Open To Flow (1)
17	44.22	117.06	Shut-In(1)
62	1845.13	118.16	End Shut-In(1)
62	44.24	117.68	Open To Flow (2)
107	94.75	118.70	Shut-In(2)
213	1851.92	120.52	End Shut-In(2)
215	2570.77	120.68	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCWM 56%g 9%o 12%w 23%m	0.59
0.00	Rw .27ohms @ 80 deg	0.00
90.00	GOCM 28%g 2%o 70%m	0.44
0.00	820 ft.of GIP	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:	24000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCWM 56%g 9%o 12%w 23%m	0.590
0.00	Rw .27ohms @ 80 deg	0.000
90.00	GOCM 28%g 2%o 70%m	0.443
0.00	820 ft.of GIP	0.000

Total Length: 210.00 ft Total Volume: 1.033 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

