



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

29-27s-18w Kiowa Ks.
Rosenberger#2-29
 Job Ticket: 51890 **DST#: 1**
 Test Start: 2014.03.23 @ 01:56:55

GENERAL INFORMATION:

Formation: **Lans. A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:59:55 Tester: Gary Pevoteaux
 Time Test Ended: 08:22:10 Unit No: 56
 Interval: **4208.00 ft (KB) To 4224.00 ft (KB) (TVD)** Reference Elevations: 2217.00 ft (KB)
 Total Depth: 4224.00 ft (KB) (TVD) 2205.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

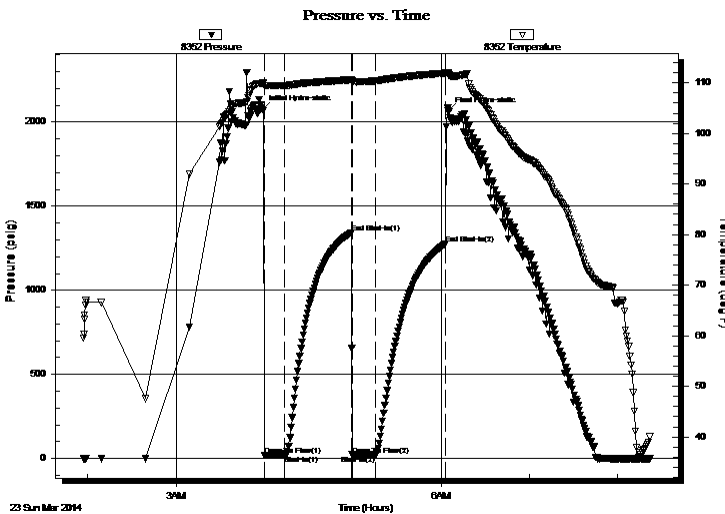
Serial #: 8352

Inside

Press @ Run Depth: 21.57 psig @ 4209.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.23
 Start Time: 01:57:00 End Time: 08:22:09 Time On Btm: 2014.03.23 @ 03:58:25
 Time Off Btm: 2014.03.23 @ 06:04:40

TEST COMMENT: IF:Weak blow . 1/2".
 IS:No blow .
 FF:Weak surge. No blow .
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.02	109.95	Initial Hydro-static
2	18.66	109.34	Open To Flow (1)
15	21.07	109.45	Shut-In(1)
61	1343.06	110.61	End Shut-In(1)
61	21.42	110.23	Open To Flow (2)
77	21.57	110.38	Shut-In(2)
125	1278.75	111.93	End Shut-In(2)
127	2064.55	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig.mud	0.02

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:	4000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilg.mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

