



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Expl. Inc.
 P.O. Box 401
 Fairfield, IL 62837-0401
 ATTN: Jon Christensen

13-27s.-20w. Kiowa Co. Ks
Theda Rose A 1-13
 Job Ticket: 51856 **DST#: 2**
 Test Start: 2013.11.28 @ 19:07:09

GENERAL INFORMATION:

Formation: **Lansing B**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 21:53:09
 Time Test Ended: 03:31:54
 Interval: **4233.00 ft (KB) To 4252.00 ft (KB) (TVD)**
 Total Depth: 4252.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 48
 Reference Elevations: 2274.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 11.00 ft

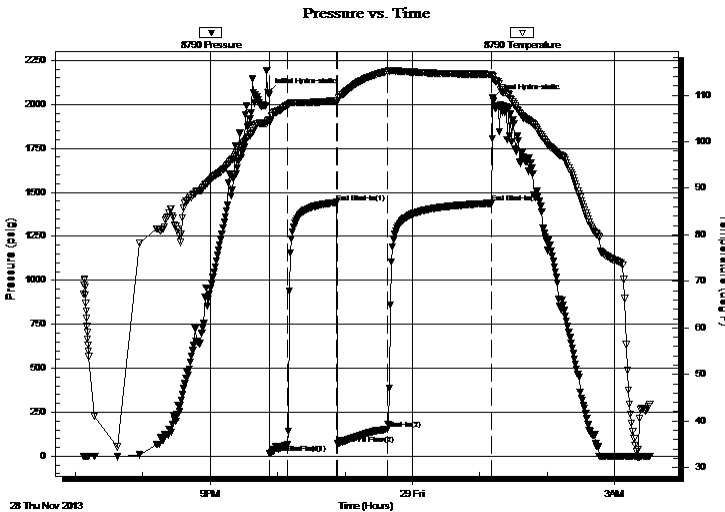
Serial #: 8790

Inside

Press @ Run Depth: 153.11 psig @ 4234.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.28 End Date: 2013.11.29 Last Calib.: 2013.11.29
 Start Time: 19:07:14 End Time: 03:31:53 Time On Btm: 2013.11.28 @ 21:51:24
 Time Off Btm: 2013.11.29 @ 01:11:39

TEST COMMENT: IF: Fair blow . 1/2" - 5"
 IS: No blow
 FF: Good blow . 1/2" - 8"
 FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.00	104.40	Initial Hydro-static
2	15.80	104.17	Open To Flow (1)
18	66.22	107.81	Shut-In(1)
62	1443.13	108.81	End Shut-In(1)
62	69.88	108.71	Open To Flow (2)
107	153.11	115.05	Shut-In(2)
200	1438.35	114.48	End Shut-In(2)
201	2035.23	113.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	SLI OGCMW trc%oil, 3%gas, 27%mud,	7(1.35 tr

* 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:	82000 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	SLI OGCMW trc%oil, 3%gas, 27%mud, 70%w	1.352

Total Length: 275.00 ft Total Volume: 1.352 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

