



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration Inc.

13-27s-20w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Zimmerman A#1-13

ATTN: Jon Christensen

Job Ticket: 51789

DST#: 1

Test Start: 2013.12.04 @ 00:28:44

GENERAL INFORMATION:

Formation: **Lans A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:59

Time Test Ended: 06:35:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4225.00 ft (KB) To 4242.00 ft (KB) (TVD)

Reference Elevations: 2281.00 ft (KB)

Total Depth: 4242.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 69.09 psig @ 4226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.04

End Date:

2013.12.04

Last Calib.:

2013.12.04

Start Time: 00:28:49

End Time:

06:35:13

Time On Btm:

2013.12.04 @ 02:10:44

Time Off Btm:

2013.12.04 @ 04:44:29

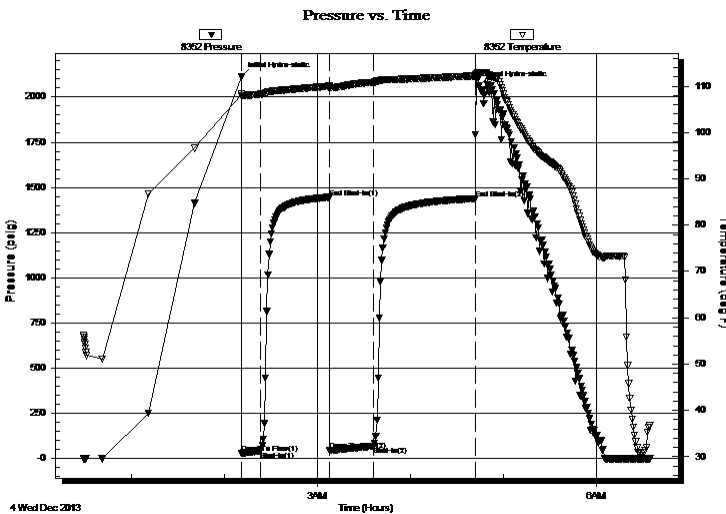
TEST COMMENT: IF:Weak blow . Increase to 4 1/2".

IS:No blow .

FF:Weak blow . 1/2 - 1".

FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.39	108.27	Initial Hydro-static
1	28.91	107.99	Open To Flow (1)
13	40.07	108.24	Shut-In(1)
57	1445.07	109.98	End Shut-In(1)
57	42.88	109.43	Open To Flow (2)
86	69.09	110.85	Shut-In(2)
152	1438.45	112.23	End Shut-In(2)
154	2062.22	112.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MW 12% ^m 88% ^w /Rw .18ohms @40deg	0.54
0.00	50 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:

76000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
110.00	MW 12% _m 88% _w /Rw .18ohms@40deg	0.541
0.00	50 ft.of GIP	0.000

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

