



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration Inc.

**Unruh#1-33**

P.O.Box 401  
Fairfield Il.62837

**33-27s-18w Kiowa Ks.**

ATTN: Jon Christensen

Job Ticket: 38821

**DST#: 1**

Test Start: 2010.10.13 @ 03:47:24

## GENERAL INFORMATION:

Formation: **Lans. A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:29:24

Time Test Ended: 12:22:39

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

**Interval: 4206.00 ft (KB) To 4226.00 ft (KB) (TVD)**

Reference Elevations: 2224.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8167 Inside**

Press @ RunDepth: 41.24 psig @ 4207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.13

End Date: 2010.10.13

Last Calib.: 2010.10.13

Start Time: 03:47:29

End Time: 12:22:39

Time On Btm: 2010.10.13 @ 06:25:39

Time Off Btm: 2010.10.13 @ 09:52:09

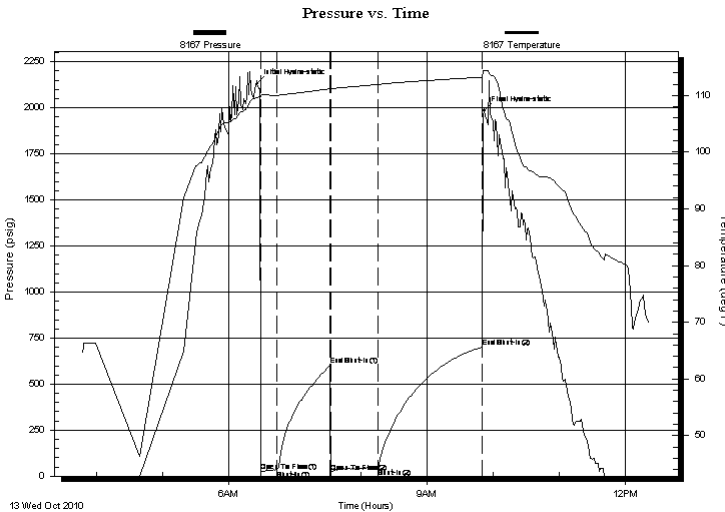
**TEST COMMENT:** IF: Strong blow . B.O.B. in 1 second. GTS in 6.5 mins. (see gas flow report)

IS: Weak blow .

FF: Strong blow . (see gas flow report)

FS: Strong blow . B.O.B.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.62	109.61	Initial Hydro-static
4	24.00	109.92	Open To Flow (1)
19	34.00	110.02	Shut-In(1)
67	601.09	111.18	End Shut-In(1)
67	21.78	111.16	Open To Flow (2)
110	41.24	111.93	Shut-In(2)
205	701.70	113.25	End Shut-In(2)
207	1985.04	114.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig.mud	0.34

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	4.00	29.19



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**FLUID SUMMARY**

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ATTN: Jon Christensen

Test Start: 2010.10.13 @ 03:47:24

**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:

6000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
70.00	Drig.mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location:

Recovery Comments:



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**GAS RATES**

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Job Ticket: 38821

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2010.10.13 @ 03:47:24

## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	10	0.25	2.00	26.02
1	15	0.25	2.00	26.02
2	10	0.25	4.00	29.19
2	20	0.25	2.00	26.02
2	30	0.25	2.00	26.02
2	40	0.25	1.00	24.43
2	45	0.25	1.00	24.43

