



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration Inc.

**Robertson#1-33**

P.O.Box 401  
Fairfield Il. 62837

**33-27s-18w Kiowa KS>**

ATTN: Jon Christensen

Job Ticket: 039279

**DST#: 2**

Test Start: 2010.10.27 @ 18:42:34

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:45:19

Time Test Ended: 04:01:49

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

**Interval: 4748.00 ft (KB) To 4808.00 ft (KB) (TVD)**

Reference Elevations: 2214.00 ft (KB)

Total Depth: 4808.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8167 Inside**

Press @ Run Depth: 240.44 psig @ 4749.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.27 End Date: 2010.10.28

Last Calib.: 2010.10.28

Start Time: 18:42:39 End Time: 04:01:49

Time On Btm: 2010.10.27 @ 21:41:34

Time Off Btm: 2010.10.28 @ 01:08:19

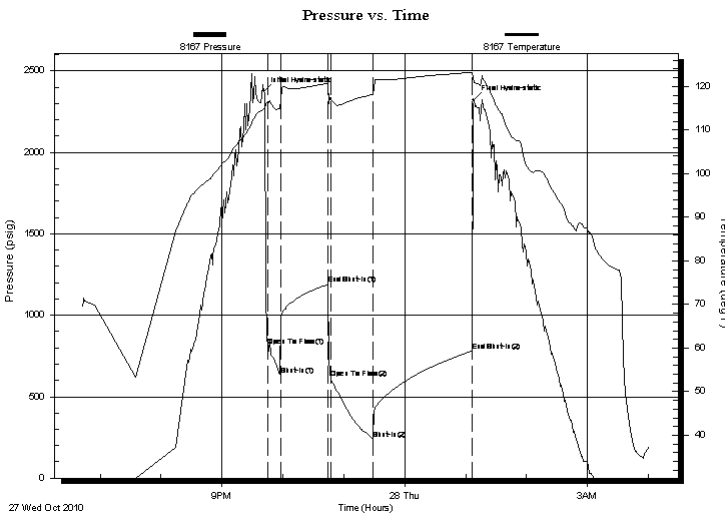
**TEST COMMENT:** IF: Strong blow . GTS in 1 1/2 mins. (see gas flow report)

IS: No blow .

FF: Strong blow . (see gas flow report)

FS: Weak blow . 1 - 2".

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2374.80	114.80	Initial Hydro-static
4	809.99	116.30	Open To Flow (1)
16	633.84	114.85	Shut-In(1)
63	1189.70	120.77	End Shut-In(1)
66	616.20	117.35	Open To Flow (2)
108	240.44	118.21	Shut-In(2)
205	782.44	123.22	End Shut-In(2)
207	2323.37	120.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCM 1%o 99% m	0.30
158.00	Drig. mud	1.09

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	120.00	3863.84
Last Gas Rate	1.00	45.00	1707.68
Max. Gas Rate	1.00	123.00	3950.09



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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:

6600 ppm

Viscosity: 54.00 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: 6600.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCM 1%o 99%m	0.305
158.00	Drig.mud	1.087

Total Length: 220.00 ft

Total Volume: 1.392 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: caraway

Laboratory Location:

Recovery Comments:



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**GAS RATES**

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**DST#: 2**

ATTN: Jon Christensen

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## 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	1.00	120.00	3863.84
1	15	1.00	123.00	3950.09
2	10	1.00	100.00	3288.86
2	20	1.00	77.00	2627.64
2	30	1.00	60.00	2138.91
2	40	1.00	50.00	1851.42
2	45	1.00	45.00	1707.68

