



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

**36-16s-16w-Rush Co KS**

1515 Wynknopp, STE 700  
Denver CO, 80202

**Schneider #1-36**

Job Ticket: 53985

**DST#: 3**

ATTN: Kurt Strube

Test Start: 2013.06.30 @ 01:55:21

## GENERAL INFORMATION:

Formation: **Lansing H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:56:54

Time Test Ended: 10:11:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 68

**Interval: 3428.00 ft (KB) To 3486.00 ft (KB) (TVD)**

Reference Elevations: 2010.00 ft (KB)

Total Depth: 3356.00 ft (KB) (TVD)

2000.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8844 Inside**

Press @ Run Depth: 191.23 psig @ 3429.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.30

End Date:

2013.06.30

Last Calib.:

2013.06.30

Start Time: 01:55:26

End Time:

10:11:34

Time On Btm:

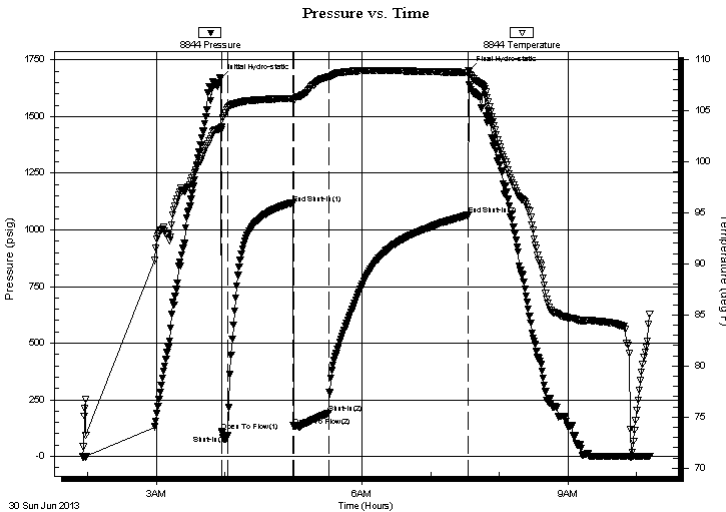
2013.06.30 @ 03:56:14

Time Off Btm:

2013.06.30 @ 07:33:04

**TEST COMMENT:** B.O.B. in 1 min  
Dead no blow back  
B.O.B. in 1 min. Gas to surface in 20 mins  
Weak surface blow back built to 2 in.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.09	103.25	Initial Hydro-static
1	109.61	103.11	Open To Flow (1)
6	91.62	105.27	Shut-In(1)
63	1116.73	106.18	End Shut-In(1)
64	135.30	105.87	Open To Flow (2)
95	191.23	108.30	Shut-In(2)
216	1064.79	108.73	End Shut-In(2)
217	1704.00	108.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	20%G 80%O	0.84
120.00	5%G 90%O 2%W 3%M	1.68
60.00	20%G 60%O 20%M	0.84
60.00	30%G 30%O 40%M	0.84
0.00	Gas to surface	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests





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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	20%G 80%O	0.842
120.00	5%G 90%O 2%W 3%M	1.683
60.00	20%G 60%O 20%M	0.842
60.00	30%G 30%O 40%M	0.842
0.00	Gas to surface	0.000

Total Length: 300.00 ft

Total Volume: 4.209 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

