



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary & Assoc., Inc.

**13/5s/32w**

1515 Wynkoop, STE 700  
Denver, Co. 80202

**Ryan Trust #1-13**

Job Ticket: 61059

**DST#: 1**

ATTN: Clayton Cammozzi

Test Start: 2015.01.16 @ 08:50:00

## GENERAL INFORMATION:

Formation: **L. Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:20:30

Time Test Ended: 16:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

**Interval: 4328.00 ft (KB) To 4368.00 ft (KB) (TVD)**

Reference Elevations: 2984.00 ft (KB)

Total Depth: 4368.00 ft (KB) (TVD)

2979.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8647**

**Inside**

Press@RunDepth: 531.03 psig @ 4329.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.16

End Date:

2015.01.16

Last Calib.:

2015.01.16

Start Time: 08:50:01

End Time:

16:23:30

Time On Btm:

2015.01.16 @ 11:19:30

Time Off Btm:

2015.01.16 @ 14:18:30

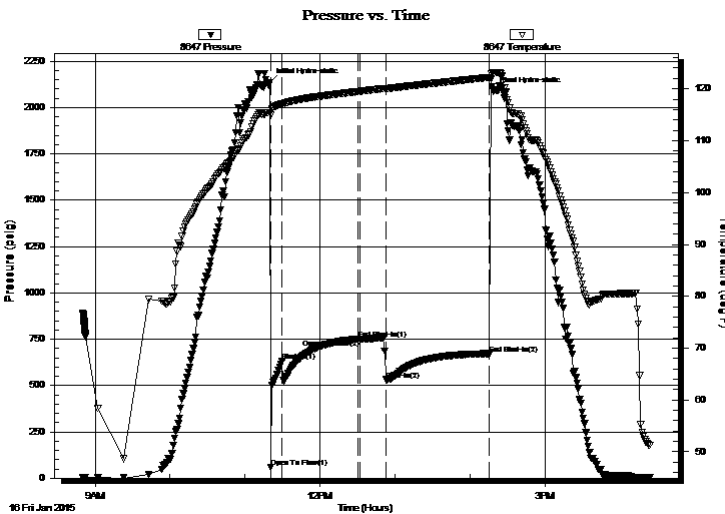
TEST COMMENT: 10 - IF - Opened w/ surface blow , built to 1"

60 - ISI - No Return

20 - FF - No Blow

90 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.35	115.34	Initial Hydro-static
1	58.77	114.93	Open To Flow (1)
10	631.91	117.12	Shut-In(1)
71	749.80	119.49	End Shut-In(1)
72	749.82	119.52	Open To Flow (2)
93	531.03	120.04	Shut-In(2)
176	671.97	122.21	End Shut-In(2)
179	2088.63	123.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
7.00	100% mud	0.03

## Gas Rates

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





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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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	100% mud	0.034

Total Length: 7.00 ft      Total Volume: 0.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

