



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

21-12-16 Ellis, KS

1515 Wynkoop, Ste 700  
Denver, CO 80202

Donald 1-21

Job Ticket: 50824

DST#: 3

ATTN: Chris Mitchell

Test Start: 2013.08.10 @ 23:00:01

## GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:02

Time Test Ended: 06:29:15

Test Type: Conventional Straddle (Reset)

Tester: Brannan L

Unit No: 67

Interval: **3500.00 ft (KB) To 3520.00 ft (KB) (TVD)**

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

2009.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8844

Press @ Run Depth: 51.82 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.10

End Date: 2013.08.11

Last Calib.: 2013.08.11

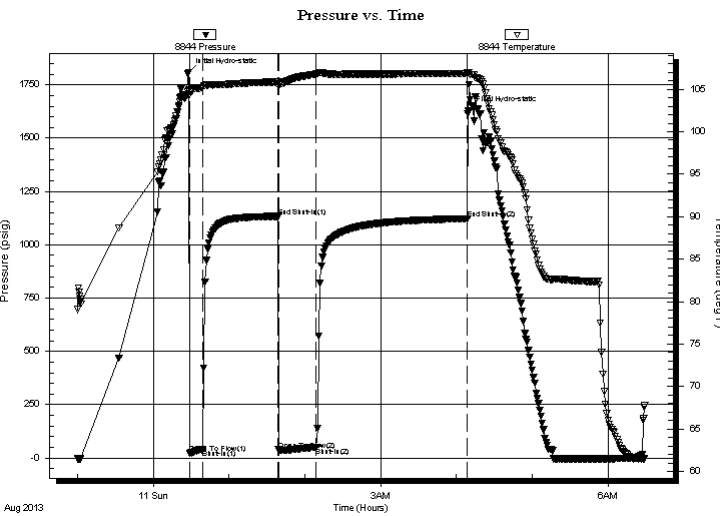
Start Time: 23:00:06

End Time: 06:29:15

Time On Btm: 2013.08.11 @ 00:27:47

Time Off Btm: 2013.08.11 @ 04:09:32

TEST COMMENT: 10- IF- 2"  
60- IS- No blow  
30- FF- 3"  
120- FS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.15	104.93	Initial Hydro-static
2	21.42	104.38	Open To Flow (1)
12	39.06	105.21	Shut-In(1)
71	1133.33	105.88	End Shut-In(1)
72	38.44	105.32	Open To Flow (2)
102	51.82	106.77	Shut-In(2)
221	1122.90	106.82	End Shut-In(2)
222	1627.26	106.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	O, 100%O	0.02
20.00	OWM, 10%O 30%W 60%M	0.10
60.00	M, 100%M	0.79

\* Recovery from multiple tests

## 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:

17000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	O, 100%O	0.025
20.00	OWM, 10%O 30%W 60%M	0.098
60.00	M, 100%M	0.787

Total Length: 85.00 ft      Total Volume: 0.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mLW@450PSI

