



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Oper. Co. LLC.
125 N. Market Ste. 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

7-35s-12w. Barber Co.

Rogg #1

Job Ticket: 51858

DST#: 1

Test Start: 2013.12.09 @ 10:14:07

GENERAL INFORMATION:

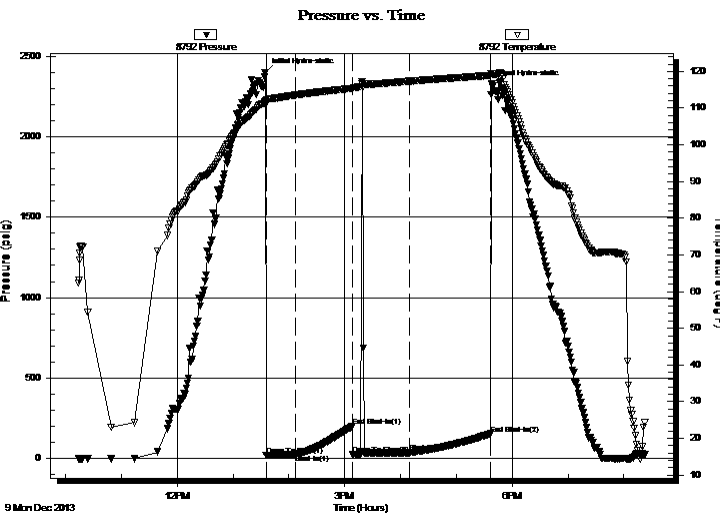
Formation: **Cherokee Sand**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 13:35:37
 Time Test Ended: 20:22:22
 Interval: **4756.00 ft (KB) To 4822.00 ft (KB) (TVD)**
 Total Depth: 4822.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Reynolds
 Unit No: 48
 Reference Elevations: 1466.00 ft (KB)
 1454.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8792

Outside

Press @ Run Depth: 36.51 psig @ 4757.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.09 End Date: 2013.12.09 Last Calib.: 2013.12.09
 Start Time: 10:14:12 End Time: 20:22:22 Time On Btm: 2013.12.09 @ 13:34:37
 Time Off Btm: 2013.12.09 @ 17:37:37

TEST COMMENT: IF: Weak blow . 1/4 - 1"
 IS: No blow
 FF: No blow (flshd tool 10" into.) Weak blow - dead @ 16min.
 FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2396.81	111.61	Initial Hydro-static
1	19.58	111.33	Open To Flow (1)
33	24.86	113.57	Shut-In(1)
94	199.16	115.39	End Shut-In(1)
94	27.22	115.39	Open To Flow (2)
156	36.51	117.35	Shut-In(2)
242	153.83	118.90	End Shut-In(2)
243	2325.77	119.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig mud 100% mud	0.10

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:

4000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig mud 100% mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

