



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

GLM Company

4-14s-15w-Russell Co.

PO Box 193
Russell KS 67665

Witt Trust #1

Job Ticket: 60676

DST#: 1

ATTN: Steve Reed

Test Start: 2014.10.26 @ 04:53:18

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:24:18

Time Test Ended: 10:08:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 77

Interval: 2740.00 ft (KB) To 2800.00 ft (KB) (TVD)

Reference Elevations: 1884.00 ft (KB)

Total Depth: 2800.00 ft (KB) (TVD)

1877.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8898 Outside

Press@RunDepth: 49.04 psig @ 2744.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.26

End Date: 2014.10.26

Last Calib.: 2014.10.26

Start Time: 04:53:19

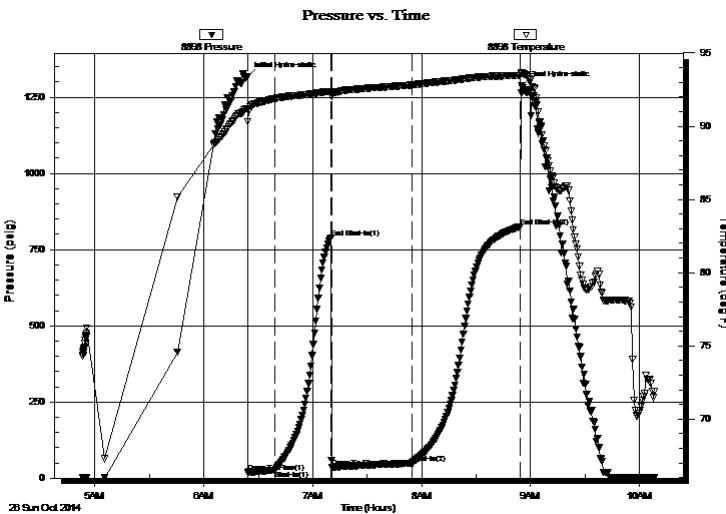
End Time: 10:08:38

Time On Btm: 2014.10.26 @ 06:24:08

Time Off Btm: 2014.10.26 @ 08:55:08

TEST COMMENT: 15-B.O.B. in 5 mins
30-Weak surface blow back died in 4 mins
45-B.O.B. in 5 sec.
60-Wak surface blow built to 1/2 in died in 25 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1316.70	91.20	Initial Hydro-static
1	17.83	90.33	Open To Flow (1)
15	26.43	91.89	Shut-In(1)
46	788.14	92.38	End Shut-In(1)
47	36.28	92.24	Open To Flow (2)
91	49.04	92.82	Shut-In(2)
151	825.47	93.48	End Shut-In(2)
151	1287.79	93.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	GOCM 15%G 10%O 75%M	0.45
64.00	GOCM 40%G 20%O 40%M	0.90
0.00	672 GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Steve Reed

Test Start: 2014.10.26 @ 04:53:18

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
32.00	GOCM 15%G 10%O 75%M	0.449
64.00	GOCM 40%G 20%O 40%M	0.898
0.00	672 GIP	0.000

Total Length: 96.00 ft Total Volume: 1.347 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

