



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

F.G. Holl Company L.L.C.

31-18s-13w

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Millard Trust #1-31

ATTN: Ryan Greenbaum

Job Ticket: 60398

DST#: 2

Test Start: 2014.11.16 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S-4 16

Interval: **3215.00 ft (KB) To 3256.00 ft (KB) (TVD)**

Reference Elevations: 1888.00 ft (KB)

Total Depth: 3256.00 ft (KB) (TVD)

1880.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Outside

Press @ Run Depth: 133.92 psig @ 3251.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.16 End Date: 2014.11.16

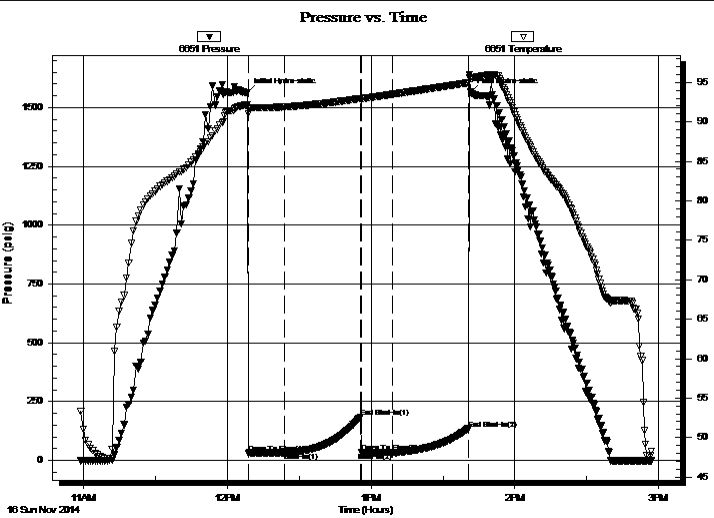
Last Calib.: 2014.11.16

Start Time: 10:59:00 End Time: 14:57:00

Time On Btm: 2014.11.16 @ 12:08:30

Time Off Btm: 2014.11.16 @ 13:41:30

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 6 minutes and died
1st Shut-In 30 Minutes
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1563.72	92.14	Initial Hydro-static
1	31.21	91.03	Open To Flow (1)
16	32.51	91.90	Shut-In(1)
47	183.66	92.96	End Shut-In(1)
48	32.69	92.87	Open To Flow (2)
61	32.81	93.50	Shut-In(2)
92	133.92	94.96	End Shut-In(2)
93	1565.43	95.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

