



**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**

Job Ticket: 60399

**DST#: 3**

ATTN: Ryan Greenbaum

Test Start: 2014.11.17 @ 02:19:00

## GENERAL INFORMATION:

Formation: **Lansinf Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:00

Time Test Ended: 06:47:00

Test Type: Inflate Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S-4 16

**Interval: 3290.00 ft (KB) To 3325.00 ft (KB) (TVD)**

Reference Elevations: 1888.00 ft (KB)

Total Depth: 3325.00 ft (KB) (TVD)

1880.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8938**

**Inside**

Press@RunDepth: 29.00 psig @ 3320.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.17

End Date: 2014.11.17

Last Calib.: 2014.11.17

Start Time: 02:19:00

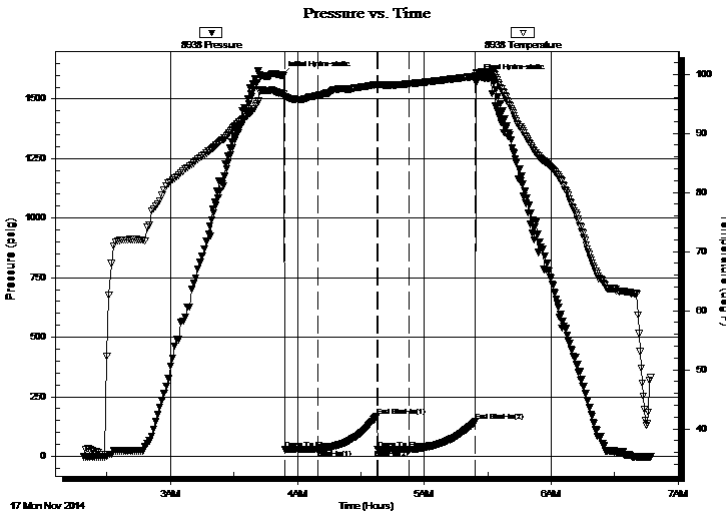
End Time: 06:47:00

Time On Btm: 2014.11.17 @ 03:52:30

Time Off Btm: 2014.11.17 @ 05:25:00

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow for 8 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	1600.55	96.71	Initial Hydro-static
2	28.03	95.89	Open To Flow (1)
17	28.98	96.35	Shut-In(1)
45	169.25	98.25	End Shut-In(1)
46	28.81	98.25	Open To Flow (2)
61	29.00	98.37	Shut-In(2)
92	145.47	99.67	End Shut-In(2)
93	1585.98	100.04	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 in<sup>3</sup>

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

