



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Edison Oper. Co. LLC  
 8100 E. 22nd St. N. Bldg. 1900  
 Wichita, KS 67226  
 ATTN: Adam Nyhswonger

**20-20s-10w Rice Co. KS**  
**Bayer 2-20**  
 Job Ticket: 52473      **DST#: 1**  
 Test Start: 2013.11.18 @ 05:58:11

## GENERAL INFORMATION:

Formation: **LKC D-F**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:34:41  
 Time Test Ended: 12:54:11  
 Interval: **3028.00 ft (KB) To 3074.00 ft (KB) (TVD)**  
 Total Depth: 3074.00 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: 3078.00 ft (KB)  
 3074.00 ft (CF)  
 KB to GR/CF: 4.00 ft

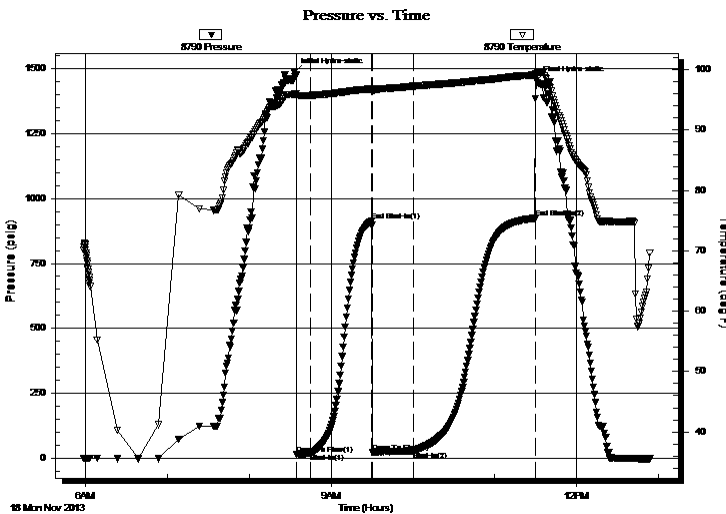
## Serial #: 8790

Inside

Press @ Run Depth: 28.81 psig @ 3029.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.11.18      End Date: 2013.11.18      Last Calib.: 2013.11.18  
 Start Time: 05:58:16      End Time: 12:54:10      Time On Btm: 2013.11.18 @ 08:32:56  
 Time Off Btm: 2013.11.18 @ 11:30:41

TEST COMMENT: IF: Weak blow . 1/4" - 1"  
 IS: No blow  
 FF: Weak blow . Surf. - 1/2"  
 FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.41	95.84	Initial Hydro-static
2	14.52	95.74	Open To Flow (1)
12	18.82	95.75	Shut-In(1)
57	912.45	96.83	End Shut-In(1)
58	22.99	96.54	Open To Flow (2)
88	28.81	97.27	Shut-In(2)
177	924.19	99.11	End Shut-In(2)
178	1454.13	99.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	SLI GCM trc%gas, 99%mud	0.25
0.00	O sptd M in hyd. tool	0.00

## 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:	5500 ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	SLI GCM trc%gas, 99%mud	0.246
0.00	O sptd M in hyd. tool	0.000

Total Length: 50.00 ft      Total Volume: 0.246 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

