



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
2020 N. Bramblewood  
Wichita KS 67202  
ATTN: Pete Vollmer

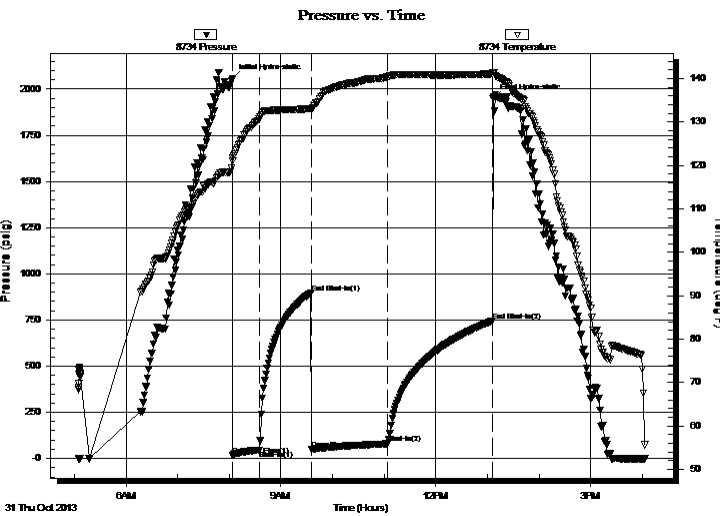
**.22-1s-36w Rawlins,KS**  
**Michael #5-22**  
Job Ticket: 55145      **DST#: 6**  
Test Start: 2013.10.31 @ 05:05:00

## GENERAL INFORMATION:

Formation: **LKC " D "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:04:10  
Time Test Ended: 16:03:10  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ryan Nichols  
Unit No: 41  
Interval: **4342.00 ft (KB) To 4366.00 ft (KB) (TVD)**  
Reference Elevations: 3265.00 ft (KB)  
Total Depth: 4366.00 ft (KB) (TVD)      3252.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 13.00 ft

**Serial #: 8734      Inside**  
Press @ RunDepth: 80.08 psig @ 4343.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.10.31      End Date: 2013.10.31      Last Calib.: 2013.10.31  
Start Time: 05:05:01      End Time: 16:03:10      Time On Btm: 2013.10.31 @ 08:04:00  
Time Off Btm: 2013.10.31 @ 13:06:30

**TEST COMMENT:** 30 IF - Surface blow built to 2"  
60 ISI - No return  
90 FF - No blow  
120 FSI - No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2054.89	121.60	Initial Hydro-static
1	19.18	121.12	Open To Flow (1)
31	45.37	130.62	Shut-In(1)
91	897.47	133.05	End Shut-In(1)
92	48.93	132.80	Open To Flow (2)
181	80.08	140.41	Shut-In(2)
302	744.37	141.02	End Shut-In(2)
303	1947.99	141.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	MCW - 20%M - 80%W	0.44
20.00	Mud w/oil spots	0.10

\* Recovery from multiple tests

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MCW - 20%M - 80%W	0.443
20.00	Mud w /oil spots	0.098

Total Length: 110.00 ft      Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .378 @ 61 DEG F

CHLORIDES = 24,000 PPM

