



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco, LLC.

**22-1s-36w Rawlins, KS**

2020 N Bramblewood  
Wichita, KS 67206

**Michael #4-22**

Job Ticket: 53398

**DST#: 3**

ATTN: Pete Vollmer

Test Start: 2014.03.02 @ 01:41:00

## GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:30

Time Test Ended: 12:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

**Interval: 4132.00 ft (KB) To 4192.00 ft (KB) (TVD)**

Reference Elevations: 3186.00 ft (KB)

Total Depth: 4192.00 ft (KB) (TVD)

3173.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8874**

**Inside**

Press @ Run Depth: 824.63 psig @ 4133.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.02

End Date: 2014.03.02

Last Calib.: 2014.03.02

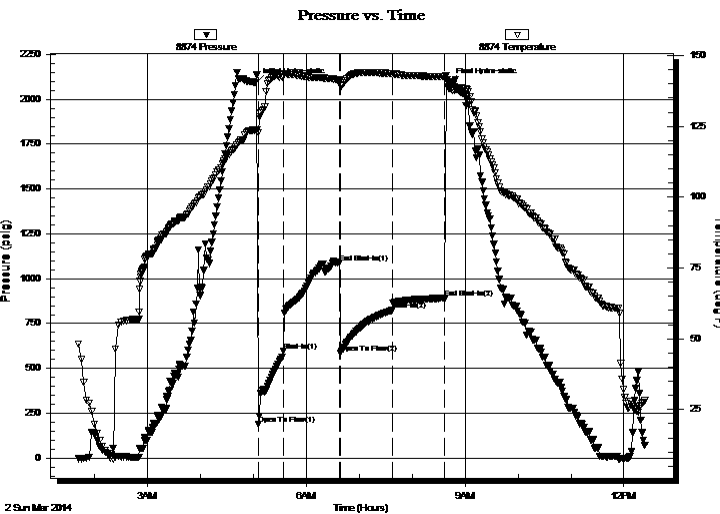
Start Time: 01:42:00

End Time: 12:24:30

Time On Btm: 2014.03.02 @ 05:03:00

Time Off Btm: 2014.03.02 @ 08:42:30

**TEST COMMENT:** 30 - IF- BoB in 1 min  
60 - IS- Surface Return built to 7" then died back to 4"  
60 - FF- BoB in 15 min then died back to 2"  
60 - FS- Surface Return did not build or die.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.97	123.73	Initial Hydro-static
3	188.73	122.77	Open To Flow (1)
31	597.22	142.59	Shut-In(1)
94	1087.28	141.43	End Shut-In(1)
96	584.98	139.26	Open To Flow (2)
155	824.63	143.61	Shut-In(2)
214	890.58	142.56	End Shut-In(2)
220	2094.30	138.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
528.00	OSMW 5M 95W (oil spots)	2.60
376.00	OCMW 10M 80W 10o	5.27
564.00	GMCWO 25M 30W 35o 10G	7.91
188.00	GMCO 20M 60o 20G	2.64
282.00	GMCWO 20M 20W 40o 20G	3.96
0.00	846' GIP	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:

63000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
528.00	OSMW 5M 95W (oil spots)	2.597
376.00	OCMW 10M 80W 10o	5.274
564.00	GMCWO 25M 30W 35o 10G	7.911
188.00	GMCO 20M 60o 20G	2.637
282.00	GMCWO 20M 20W 40o 20G	3.956
0.00	846' GIP	0.000

Total Length: 1938.00 ft      Total Volume: 22.375 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .106 @ 80 deg = 63,000ppm

### Pressure vs. Time

