



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC.

17-1S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Vada #2-17

Job Ticket: 56831

DST#: 2

ATTN: Pete Vollmer

Test Start: 2014.04.27 @ 10:00:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:25:30

Time Test Ended: 19:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 4122.00 ft (KB) To 4195.00 ft (KB) (TVD)

Reference Elevations: 3132.00 ft (KB)

Total Depth: 4195.00 ft (KB) (TVD)

3119.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8874

Inside

Press@RunDepth: 273.93 psig @ 4123.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.27

End Date: 2014.04.27

Last Calib.: 2014.04.27

Start Time: 10:01:00

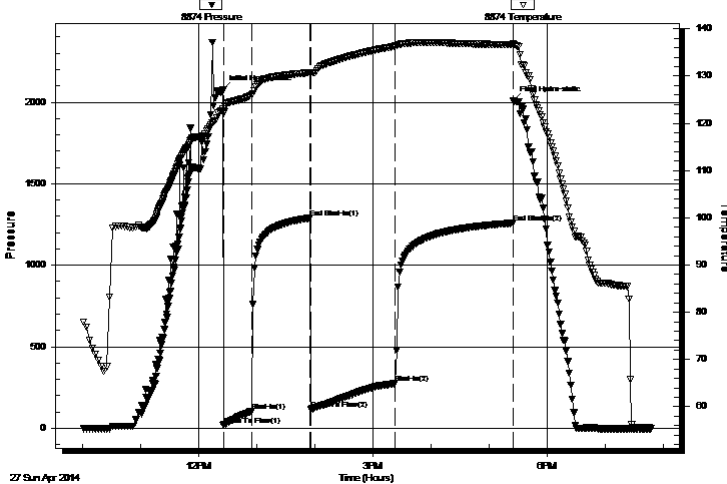
End Time: 19:47:00

Time On Btm: 2014.04.27 @ 12:25:00

Time Off Btm: 2014.04.27 @ 17:25:00

TEST COMMENT: 30 - IF- 1/2" Blow built to 7"
60 - IS- No Return
90 - FF- Surface Blow started at 5 min. Built to 11"
120 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.90	122.55	Initial Hydro-static
1	19.63	122.09	Open To Flow (1)
30	104.67	125.97	Shut-In(1)
90	1288.63	130.74	End Shut-In(1)
91	114.66	130.59	Open To Flow (2)
178	273.93	136.35	Shut-In(2)
300	1258.36	136.71	End Shut-In(2)
300	2010.13	136.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW 20M 80W	0.89
180.00	MW 30M 70W	0.89
180.00	WM 60M 40W	0.96
40.00	OSWM 90M 10W (oil spots)	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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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:

60000 ppm

Viscosity: 148.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	MW 20M 80W	0.885
180.00	MW 30M 70W	0.885
180.00	WM 60M 40W	0.958
40.00	OSWM 90M 10W (oil spots)	0.561

Total Length: 580.00 ft Total Volume: 3.289 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .13 @ 72 deg = 60,000ppm

