



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.

23-1s-36w Rawlins Co. KS

2020 N. Bramble
Wichita KS. 67206

Michael # 2-23

Job Ticket: 57228

DST#: 2

ATTN: Pete Vollmer

Test Start: 2014.03.29 @ 02:52:00

GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:10

Time Test Ended: 14:24:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4180.00 ft (KB) To 4270.00 ft (KB) (TVD)

Total Depth: 4270.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3302.00 ft (KB)

3289.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 62.43 psig @ 4182.00 ft (KB)

Start Date: 2014.03.29

End Date:

2014.03.29

Start Time: 02:52:00

End Time:

14:24:10

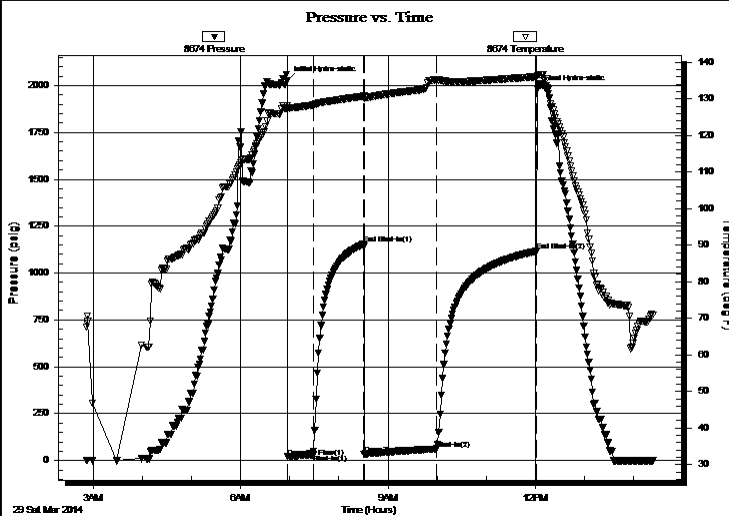
Capacity: 8000.00 psig

Last Calib.: 2014.03.29

Time On Btm: 2014.03.29 @ 06:56:55

Time Off Btm: 2014.03.29 @ 12:02:10

TEST COMMENT: IF- Weak Surface Blow Built to 3/4"
IS- No Blow
FF- Weak Surface Blow after 20min Built to 1/2"
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.03	128.08	Initial Hydro-static
1	20.28	127.29	Open To Flow (1)
32	31.94	128.32	Shut-In(1)
94	1154.66	130.74	End Shut-In(1)
94	35.21	130.24	Open To Flow (2)
183	62.43	135.09	Shut-In(2)
305	1116.24	136.06	End Shut-In(2)
306	1980.24	136.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
98.00	WCM 2%w 98%w with Oil Spots	0.48

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2014.03.29 @ 02:52:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
98.00	WCM 2%w 98%m with Oil Spots	0.482

Total Length: 98.00 ft Total Volume: 0.482 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

