



**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: 57231

DST#: 5

ATTN: Pete Vollmer

Test Start: 2014.03.31 @ 22:20:00

GENERAL INFORMATION:

Formation: **LKC " E "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:10

Time Test Ended: 08:01:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4412.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 3302.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3289.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 24.13 psig @ 4413.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.31

End Date:

2014.04.01

Last Calib.:

2014.04.01

Start Time: 22:20:00

End Time:

08:01:25

Time On Btm:

2014.04.01 @ 01:03:55

Time Off Btm:

2014.04.01 @ 04:35:24

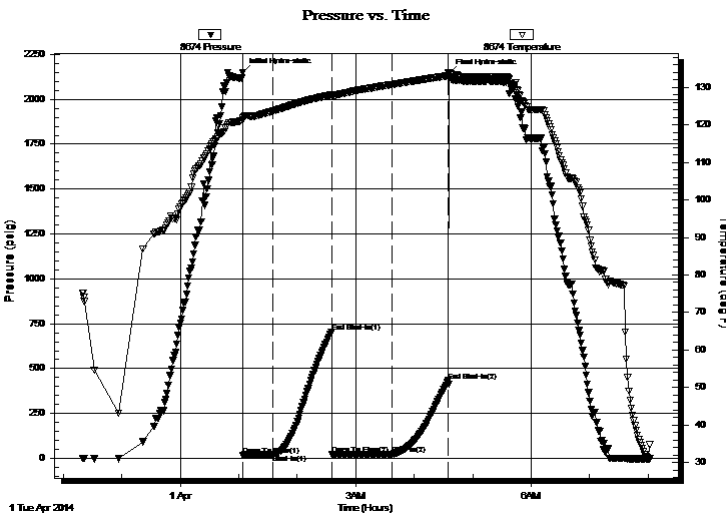
TEST COMMENT: IF- Weak Surface Blow 1/2" Built to 3/4" Slid 4' to Bottom

IS- No Blow

FF- Weak Surface Blow Died in 28min

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.16	121.93	Initial Hydro-static
1	19.37	121.26	Open To Flow (1)
31	21.24	123.63	Shut-In(1)
92	703.95	128.00	End Shut-In(1)
92	22.53	127.61	Open To Flow (2)
153	24.13	130.70	Shut-In(2)
211	432.42	133.09	End Shut-In(2)
212	2141.84	133.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM 2%w 98%m with a Few Oil Spots	0.05

* Recovery from multiple tests

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	WCM 2%w 98%m with a Few Oil Spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

