



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC

4/2s/37w Cheyenne KS

2020 N. Bramblewood
Wichita, KS 67206

McFee #1-4

Job Ticket: 63445

DST#: 2

ATTN: Bryan Bynog

Test Start: 2018.01.11 @ 22:42:00

GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:52:45

Time Test Ended: 13:57:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4404.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 3273.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

3266.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8017

Outside

Press@RunDepth: 694.88 psig @ 4405.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.11 End Date: 2018.01.12

Last Calib.: 2018.01.12

Start Time: 22:42:05 End Time: 13:57:00

Time On Btm: 2018.01.12 @ 04:52:30

Time Off Btm: 2018.01.12 @ 09:58:00

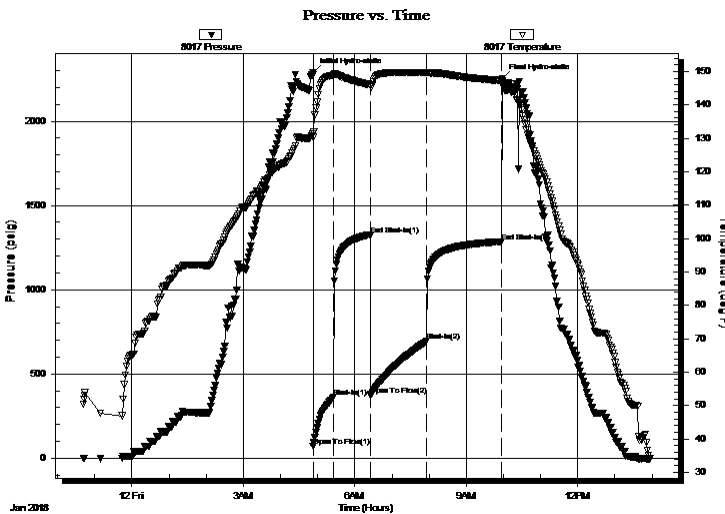
TEST COMMENT: 30 - IF: Blow built to BOB (11") at 4 1/2 min. (Diesel in bucket)

60 - IS: Blow back built to 1 3/4"

90 - FF: Blow built to BOB at 7 min.

120 - FS: Blow back built to 1"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.80	131.29	Initial Hydro-static
1	71.49	130.30	Open To Flow (1)
33	363.93	148.93	Shut-In(1)
92	1325.89	145.95	End Shut-In(1)
93	373.35	145.59	Open To Flow (2)
184	694.88	149.61	Shut-In(2)
304	1285.07	147.22	End Shut-In(2)
306	2252.10	145.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
835.00	Water w/trace oil 97%w, 3%m	6.96
375.00	SMCW w/oil spots 87%w, 7%m, 4%g	295.26
265.00	SO/MCW 64%w, 26%m, 6%o, 4%g	3.72
45.00	CO 96%o, 4%m	0.63
0.00	GIP = 65'	0.00

Gas Rates

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

* Recovery from multiple tests



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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 bbl
835.00	Water w/trace oil 97%w, 3%m	6.958
375.00	SMCW w/oil spots 87%w, 7%m, 4%g, 2%o	5.260
265.00	SO/MCW 64%w, 26%m, 6%o, 4%g	3.717
45.00	CO 96%o, 4%m	0.631
0.00	GIP = 65'	0.000

Total Length: 1520.00 ft Total Volume: 16.566 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 33.6 api @ 32 deg F Corrected Gravity = 36.4 api

RW = .220 ohms @ 49 deg F Chlorides = 50,000 ppm

Pressure vs. Time

