



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC

15 10s 33w Thomas, Ks

2020 N Bramblewood
Wichita, Ks 67206

MRM #1

Job Ticket: 64815

DST#: 3

ATTN: Bryan Bynog

Test Start: 2019.09.29 @ 01:25:00

GENERAL INFORMATION:

Formation: **LKC- B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:21:30

Time Test Ended: 11:25:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4092.00 ft (KB) To 4150.00 ft (KB) (TVD)

Reference Elevations: 3156.00 ft (KB)

Total Depth: 4150.00 ft (KB) (TVD)

3148.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8522

Inside

Press@RunDepth: 940.26 psig @ 4093.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time:

01:25:05

End Time:

11:25:30

Time On Btm:

2019.09.29 @ 04:20:15

Time Off Btm:

2019.09.29 @ 07:43:30

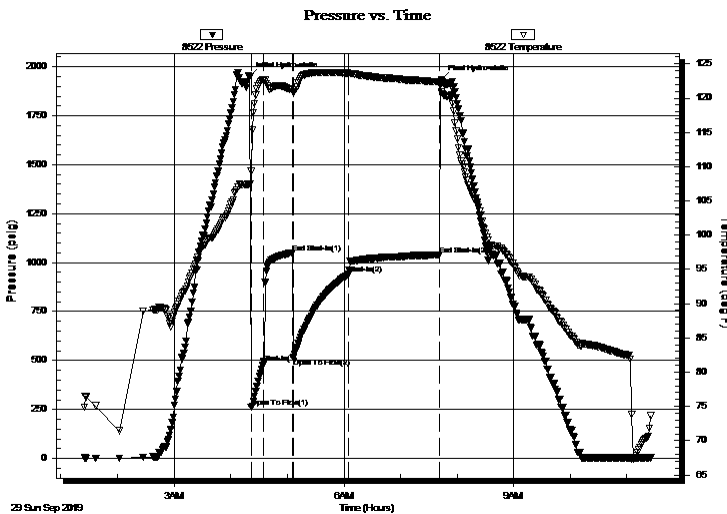
TEST COMMENT: 15- IF: BOB @ 1 min. built to 120"

30- IS: 1" return.

60- FF: BOB @ 1 min, built to 213".

90- FSI: 4 1/2" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.06	107.47	Initial Hydro-static
2	260.35	109.33	Open To Flow (1)
15	488.97	122.70	Shut-In(1)
46	1050.89	121.15	End Shut-In(1)
46	511.13	120.88	Open To Flow (2)
105	940.26	123.62	Shut-In(2)
201	1038.34	122.34	End Shut-In(2)
204	1931.94	120.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	smcw 2m 98w (oil spots)	4.50
280.00	gocw 30g 20o 50w	3.93
1380.00	gmw co 40g 5m 20w 35o	19.36
180.00	gmco 30g 20m 50o	2.52
0.00	90' GIP	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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
360.00	smcw 2m 98w (oil spots)	4.503
280.00	gocw 30g 20o 50w	3.928
1380.00	gmw co 40g 5m 20w 35o	19.358
180.00	gmco 30g 20m 50o	2.525
0.00	90' GIP	0.000

Total Length: 2200.00 ft Total Volume: 30.314 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .181 @ 67f = 42000ppm

Pressure vs. Time

