

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC

15 10s 33w Thomas, Ks

2020 N Bramblewood
Wichita, Ks 67206

MRM #1

Job Ticket: 64816

DST#: 4

ATTN: Bryan Bynog

Test Start: 2019.09.29 @ 20:55:00

GENERAL INFORMATION:

Formation: **LKC- E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:24:15

Time Test Ended: 05:51:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4140.00 ft (KB) To 4165.00 ft (KB) (TVD)

Total Depth: 4061.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3156.00 ft (KB)

3148.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8522

Inside

Press@RunDepth: 533.80 psig @ 4141.00 ft (KB)

Start Date: 2019.09.29

End Date:

2019.09.30

Start Time: 20:55:05

End Time:

05:51:45

Capacity: 8000.00 psig

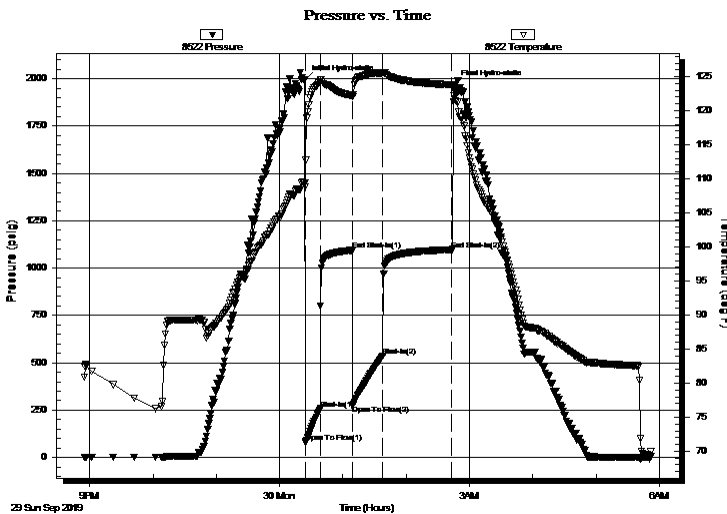
Last Calib.: 2019.09.30

Time On Btm: 2019.09.30 @ 00:24:00

Time Off Btm: 2019.09.30 @ 02:45:15

TEST COMMENT: 15- IF: BOB @ 2 1/2 min.
30- IS: No return.
30- FF: BOB @ 3 min.
60- FSI: Surface return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.35	109.38	Initial Hydro-static
1	77.55	108.83	Open To Flow (1)
15	256.62	124.28	Shut-In(1)
45	1094.24	122.19	End Shut-In(1)
46	276.39	122.03	Open To Flow (2)
74	533.80	125.58	Shut-In(2)
139	1097.58	123.82	End Shut-In(2)
142	1970.47	122.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	somcw 1o 2m 97w	1.98
780.00	ocw 5o 95w	10.94
240.00	mw co 10m 10w 80o	3.37
0.00	60' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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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:

22000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	somcw 1o 2m 97w	1.978
780.00	ocw 5o 95w	10.941
240.00	mw co 10m 10w 80o	3.367
0.00	60' GIP	0.000

Total Length: 1200.00 ft Total Volume: 16.286 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .317 @ 70f = 22,000ppm

Pressure vs. Time

