



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC
2020 N. Bramblewood
Wichita KS 67206+1094
ATTN: Jerry Smith

21-16S-21W Ness KS
Chaff #8
Job Ticket: 64579 **DST#: 2**
Test Start: 2018.08.08 @ 05:41:00

GENERAL INFORMATION:

Formation: **Cherokee 'B' Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:01:15
Time Test Ended: 12:37:00
Interval: **4239.00 ft (KB) To 4250.00 ft (KB) (TVD)**
Total Depth: 4250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J. Staab
Unit No: 84
Reference Elevations: 2343.00 ft (KB)
2336.00 ft (CF)
KB to GR/CF: 7.00 ft

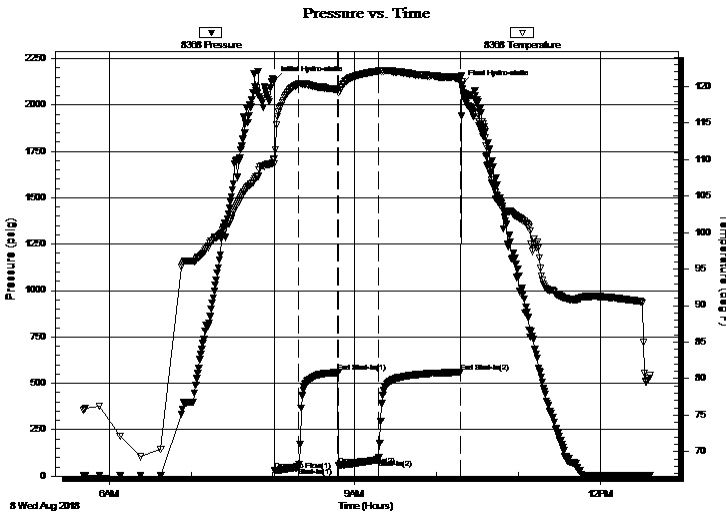
Serial #: 8368

Inside

Press@RunDepth: 89.33 psig @ 4240.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.08.08 End Date: 2018.08.08 Last Calib.: 2018.08.08
Start Time: 05:41:15 End Time: 12:37:00 Time On Btm: 2018.08.08 @ 08:01:00
Time Off Btm: 2018.08.08 @ 10:18:45

TEST COMMENT: 15-IF-Weak; Built to 1&3/4"
30-ISI-No Return
30-FF-Weak; Built to 1&1/2"
60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.15	110.09	Initial Hydro-static
1	29.31	109.46	Open To Flow (1)
18	47.97	120.32	Shut-In(1)
47	558.44	119.62	End Shut-In(1)
48	57.68	119.19	Open To Flow (2)
77	89.33	122.10	Shut-In(2)
137	559.02	121.27	End Shut-In(2)
138	2110.11	120.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MW 50%M 50%W	1.84
15.00	SOCWM 3%O 39%W 58%M	0.21
15.00	Clean Oil 100%O	0.21
0.00	63 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 2

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Test Start: 2018.08.08 @ 05:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MW 50%M 50%W	1.843
15.00	SOCWM 3%O 39%W 58%M	0.213
15.00	Clean Oil 100%O	0.213
0.00	63 GIP 100%G	0.000

Total Length: 160.00 ft

Total Volume: 2.269 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.166@82F

Pressure vs. Time

