



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS
 67206
 ATTN: Bryan Bynog

15-10s-33w Thomas Co KS

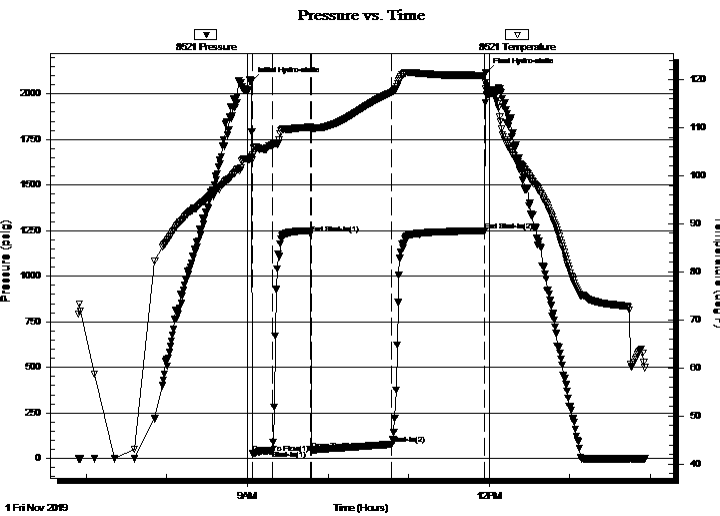
MRM #2
 Job Ticket: 63942 **DST#: 5**
 Test Start: 2019.11.01 @ 06:54:15

GENERAL INFORMATION:

Formation: **H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:03:30
 Time Test Ended: 13:55:45
Interval: 4220.00 ft (KB) To 4260.00 ft (KB) (TVD)
 Total Depth: 4260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3160.00 ft (KB)
 3150.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8521 Inside
 Press@RunDepth: 77.86 psig @ 4221.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.01 End Date: 2019.11.01 Last Calib.: 2019.11.01
 Start Time: 06:54:15 End Time: 13:55:45 Time On Btm: 2019.11.01 @ 09:03:00
 Time Off Btm: 2019.11.01 @ 11:57:30

TEST COMMENT: IF: Built to 2 3/4" blow
 IF: No return blow
 FF: Built to 1 3/4" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.32	103.95	Initial Hydro-static
1	26.15	103.39	Open To Flow (1)
16	43.34	106.33	Shut-In(1)
44	1232.53	110.08	End Shut-In(1)
45	47.67	109.55	Open To Flow (2)
105	77.86	117.33	Shut-In(2)
174	1246.16	120.80	End Shut-In(2)
175	2117.58	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	free oil 100% o	0.05
82.00	ocm 20%o 80%m	0.71
58.00	mcw 40%m 60%w	0.81

* Recovery from multiple tests

Gas Rates

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



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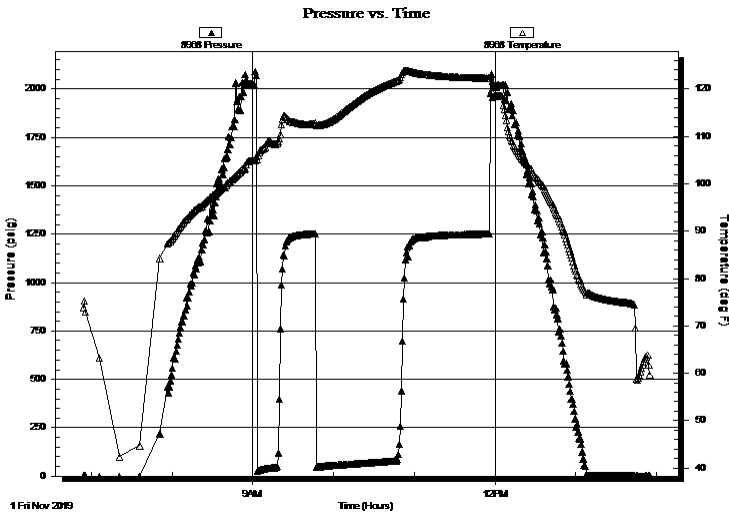
Serial #: 8968

Outside

Press@RunDepth: psig @ 4221.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.01 End Date: 2019.11.01 Last Calib.: 2019.11.01
 Start Time: 06:54:15 End Time: 13:55:30 Time On Btm:
 Time Off Btm:

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PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

15-10s-33w Thomas Co KS

2020 N Bramblewood
Wichita KS
67206
ATTN: Bryan Bynog

MRM #2

Job Ticket: 63942

DST#: 5

Test Start: 2019.11.01 @ 06:54:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	free oil 100% o	0.049
82.00	ocm 20%o 80%m	0.713
58.00	mcw 40%m 60%w	0.814

Total Length: 150.00 ft Total Volume: 1.576 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

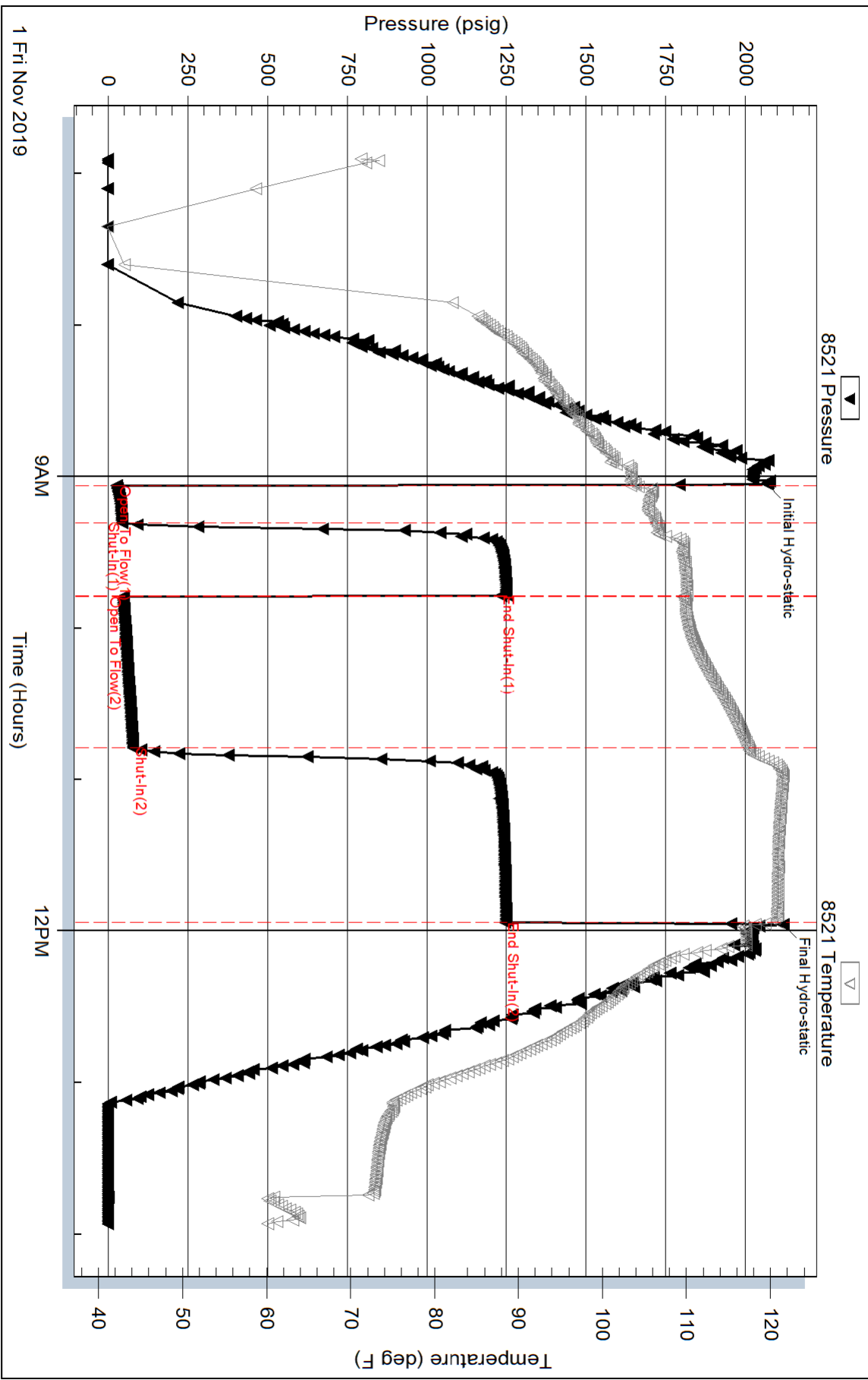
Laboratory Name:

Laboratory Location:

Recovery Comments: API= 33

RW= .471@53.7 = 25,500 PPM

Pressure vs. Time



Serial #: 8968

Outside Berexco LLC

MRM#2

DST Test Number: 5

