



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC

1-31S-35W Stevens,KS

2020 Bramblewood
Wichita, KS 67206

Brown #3-1

Job Ticket: 64366

DST#: 7

ATTN: Ed Grieves

Test Start: 2019.07.28 @ 08:47:00

GENERAL INFORMATION:

Formation: **Lower Marrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:20

Time Test Ended: 18:29:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 5345.00 ft (KB) To 5385.00 ft (KB) (TVD)

Reference Elevations: 2981.00 ft (KB)

Total Depth: 5385.00 ft (KB) (TVD)

2969.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8734 Outside

Press@RunDepth: 798.87 psig @ 5346.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.28

End Date: 2019.07.28

Last Calib.: 2019.07.28

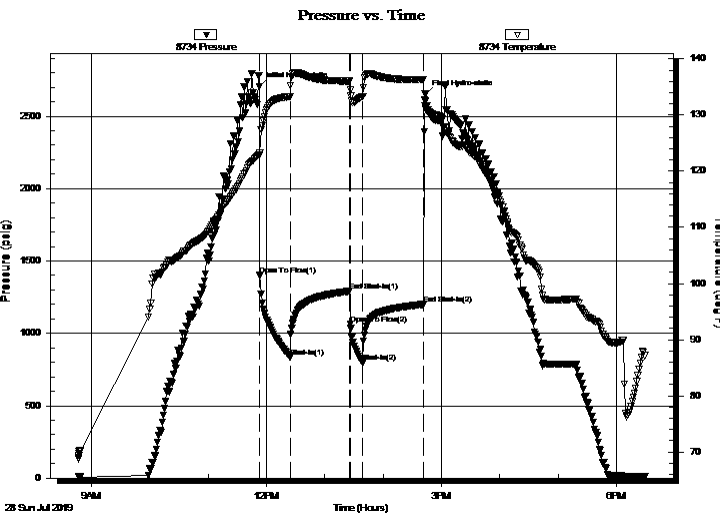
Start Time: 08:47:01

End Time: 18:29:40

Time On Btm: 2019.07.28 @ 11:53:00

Time Off Btm: 2019.07.28 @ 14:43:09

TEST COMMENT: 30-IF-B.O.B ASAO, GTS @ 1 1/2 mins 365 PSI @ 22 mins decreased to 340 PSI @ 30 mins
60-ISI-Bled off 30 mins, blow built to 1 1/2"
15-FF-B.O.B ASAO built to 330 PSI @ 15 mins
60-FSI-Bled off 30 mins blow built to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2704.56	122.87	Initial Hydro-static
1	1400.87	123.32	Open To Flow (1)
32	835.31	133.31	Shut-In(1)
93	1292.90	136.07	End Shut-In(1)
94	1065.95	134.48	Open To Flow (2)
106	798.87	133.29	Shut-In(2)
169	1200.74	136.35	End Shut-In(2)
171	2652.17	131.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5333' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	300.00	4910.88
Last Gas Rate	0.75	330.00	5379.48
Max. Gas Rate	0.75	365.00	5926.17



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5333' GIP	0.000

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



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GAS RATES

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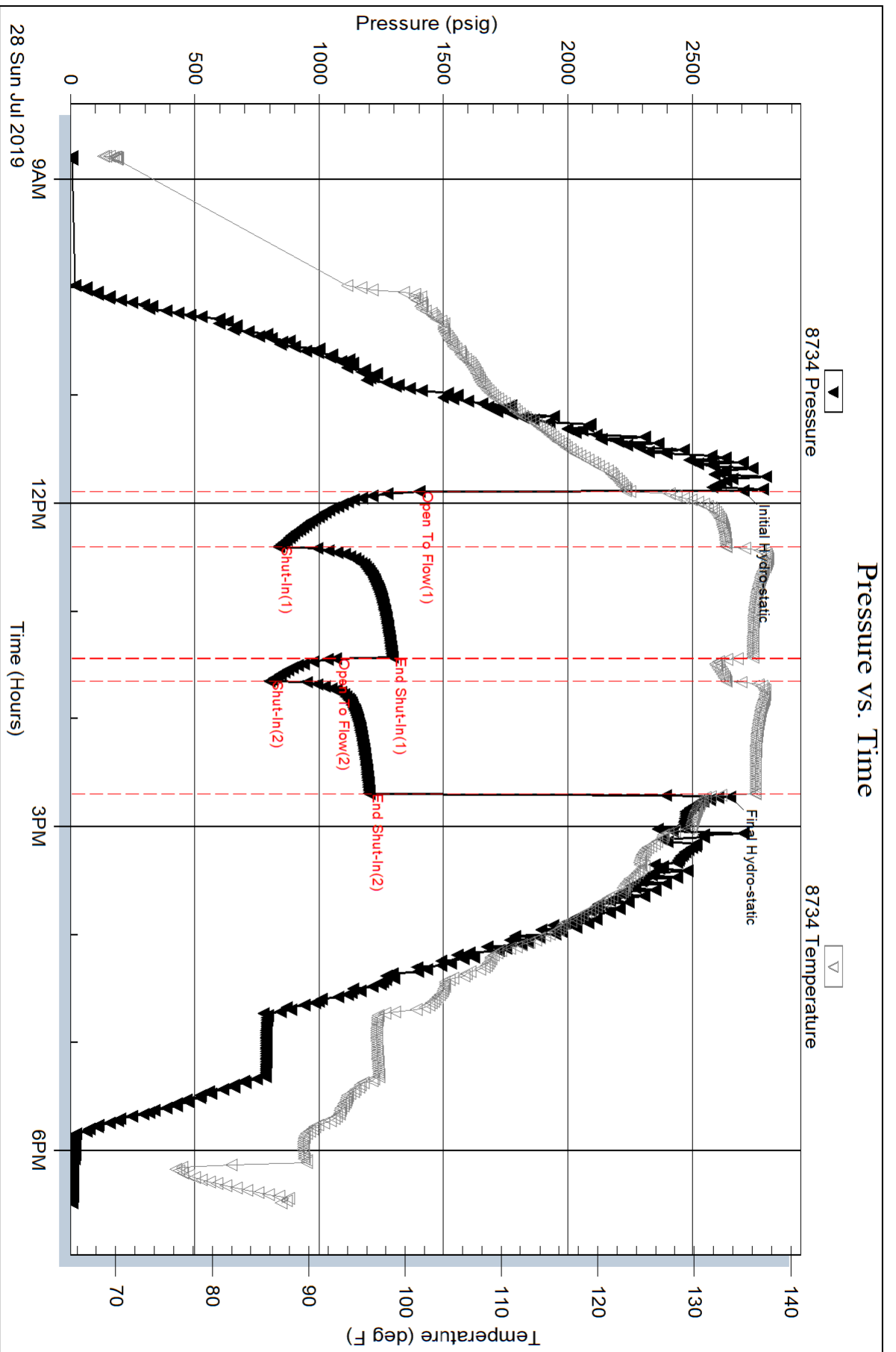
Test Start: 2019.07.28 @ 08:47:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	8	0.75	300.00	4910.88
1	22	0.75	365.00	5926.17
1	24	0.75	360.00	5848.07
1	26	0.75	355.00	5769.98
1	28	0.75	350.00	5691.88
1	30	0.75	340.00	5535.68
2	5	0.75	163.00	2770.96
2	10	0.75	272.00	4473.53
2	15	0.75	330.00	5379.48



Serial #: 8959

Inside

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