

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

2-34S-12W Barber

Brown 1 A

Job Ticket: 65888

DST#: 3

Test Start: 2019.07.30 @ 16:24:00

GENERAL INFORMATION:

Formation: **Misner**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:49:47

Time Test Ended: 00:10:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 5046.00 ft (KB) To 5058.00 ft (KB) (TVD)

Total Depth: 5058.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1517.00 ft (KB)

1504.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8672 Inside

Press@RunDepth: 731.69 psig @ 5047.00 ft (KB)

Start Date: 2019.07.30

End Date:

2019.07.31

Start Time: 16:24:01

End Time:

00:10:02

Capacity: psig

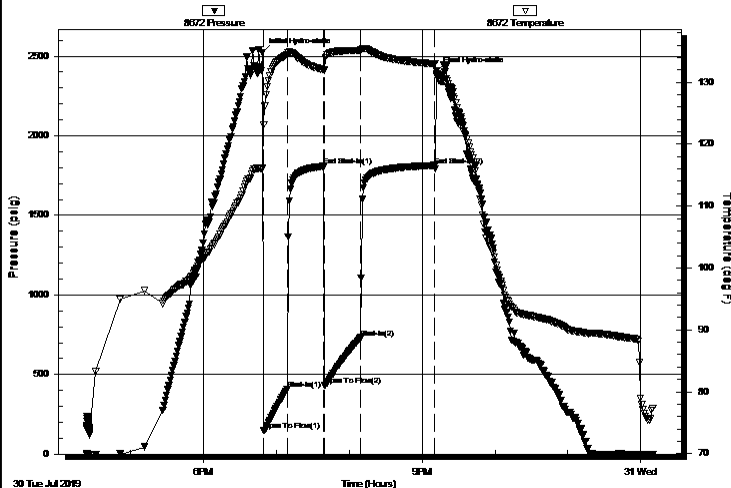
Last Calib.: 2019.07.31

Time On Btm: 2019.07.30 @ 18:48:47

Time Off Btm: 2019.07.30 @ 21:12:02

TEST COMMENT: IF: Strong Blow , BOB in 1 minute, Built to 109 inches
IS: Blow Back Built to 10 inches
FF: Strong Blow , BOB in 4 minutes, Built to 81 inches
FS: Blow Back Built to 11 inches

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2521.80	116.12	Initial Hydro-static
1	151.46	123.15	Open To Flow (1)
21	408.73	134.40	Shut-In(1)
51	1808.55	132.04	End Shut-In(1)
51	431.09	131.87	Open To Flow (2)
81	731.69	135.15	Shut-In(2)
142	1813.97	132.96	End Shut-In(2)
144	2405.04	131.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1323 GIP	0.00
1260.00	Water	16.01
193.00	OMCW 10%O 20%M 70%W	2.71
4.00	MOCW 12%M 40%O 48%W	0.06

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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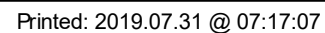
* Recovery from multiple tests



Test Start: 2019.07.30 @ 16:24:00

KB to GR/CF: 13.00 ft

FSI: Blow Back Built to 11 inches





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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

2-34S-12W Barber

125 N Market Ste 1000
Wichita, KS 67202

Brown 1 A

Job Ticket: 65888

DST#: 3

ATTN: Bill Klaver

Test Start: 2019.07.30 @ 16:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 72.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 59000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1323 GIP	0.000
1260.00	Water	16.007
193.00	OMCW 10%O 20%M 70%W	2.707
4.00	MOCW 12%M 40%O 48%W	0.056

Total Length: 1457.00 ft Total Volume: 18.770 bbl

Num Fluid Samples: 0

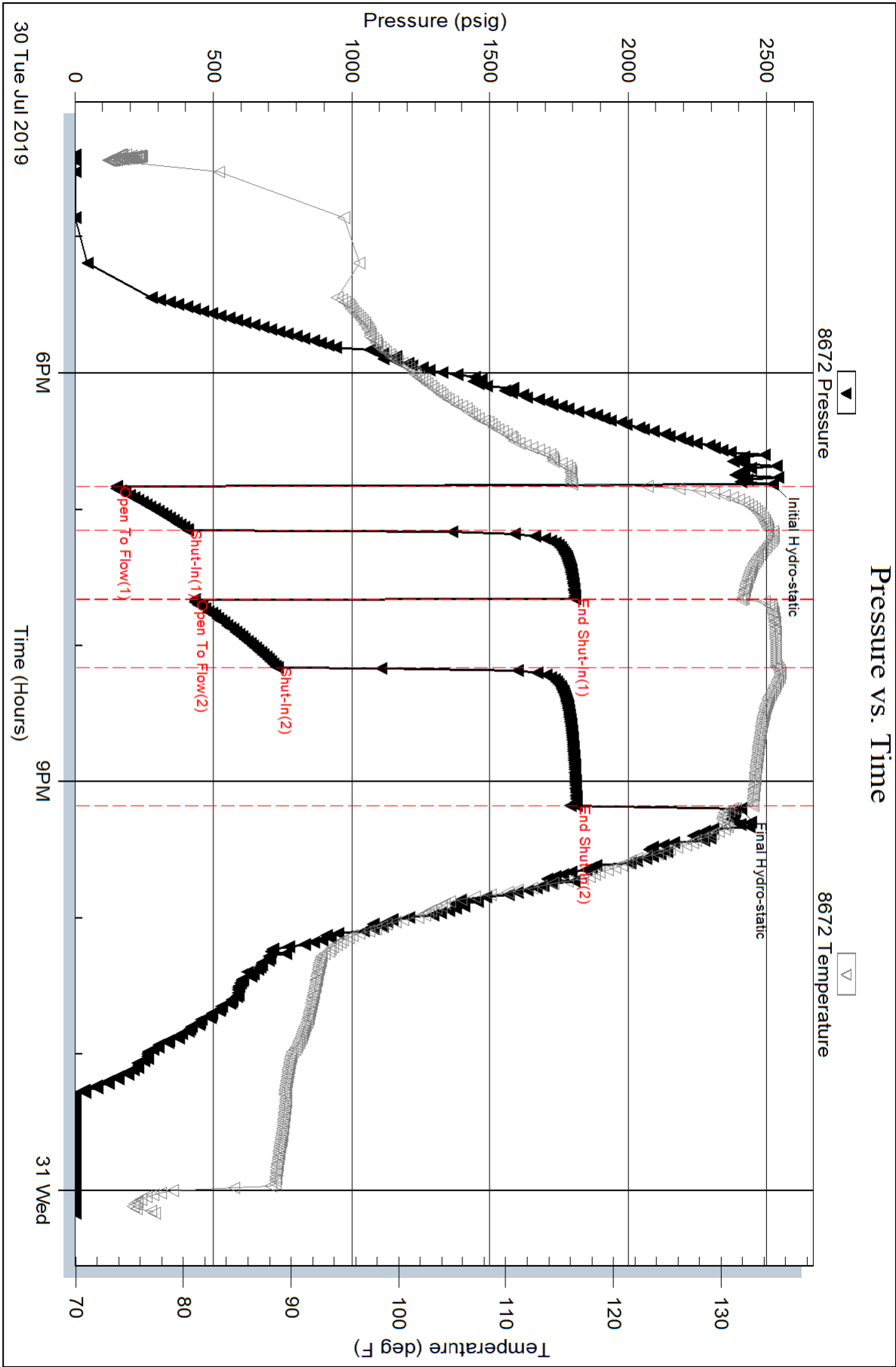
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .11 @ 84 degrees



Serial #: 6751

Outside Woodsey Operating Co

Brown 1 A

DST Test Number: 3

