



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: 65889

DST#: 4

Test Start: 2019.07.31 @ 14:37:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:32

Time Test Ended: 22:41:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 5157.00 ft (KB) To 5183.00 ft (KB) (TVD)

Total Depth: 5183.00 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: 1674.22 psig @ 5158.00 ft (KB)

Start Date: 2019.07.31

End Date:

2019.07.31

Start Time: 14:37:01

End Time:

22:41:02

Capacity: psig

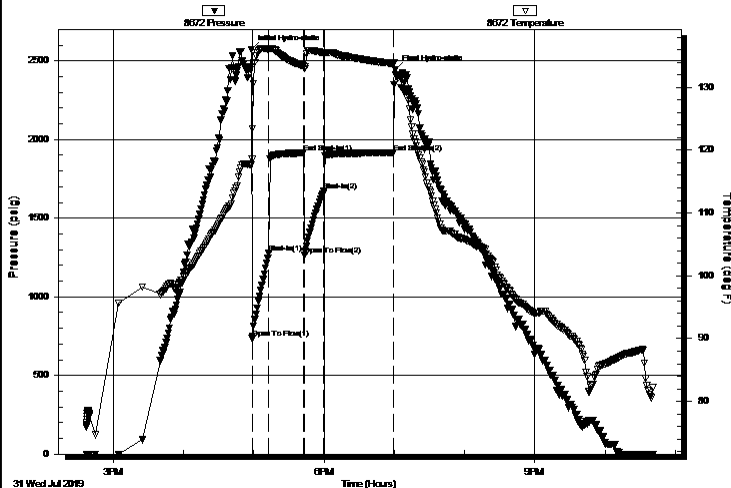
Last Calib.: 2019.07.31

Time On Btm: 2019.07.31 @ 16:57:47

Time Off Btm: 2019.07.31 @ 19:01:02

TEST COMMENT: IF: Strong Blow , BOB in 1 minute, Built to 272 inches
IS: Blow Back Built to 3 inches
FF: Strong Blow , BOB in 1 minute, Built to 275 inches
FS: Blow Back Built to 9 inches

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2573.64	117.73	Initial Hydro-static
1	735.13	118.54	Open To Flow (1)
15	1279.54	136.10	Shut-In (1)
45	1915.16	133.40	End Shut-In (1)
46	1267.19	133.03	Open To Flow (2)
62	1674.22	135.53	Shut-In (2)
122	1917.02	133.79	End Shut-In (2)
124	2444.32	131.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	660 GIP	0.00
2961.00	Water	39.87
345.00	WCM 40%W 60%M	4.84

Gas Rates

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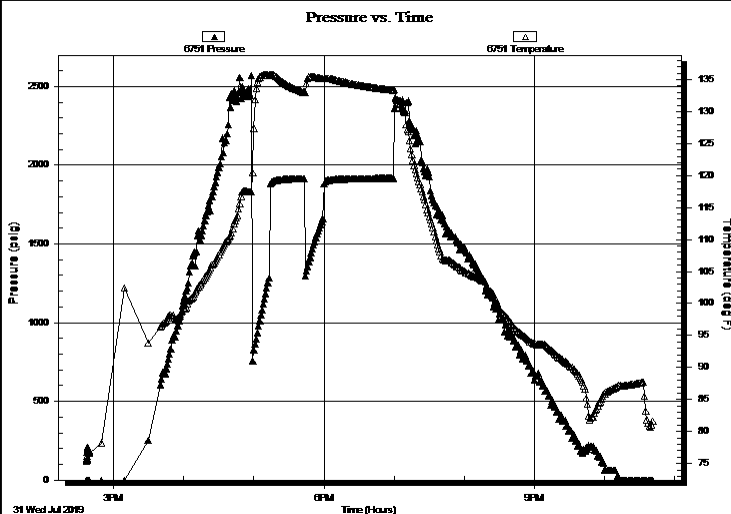
* Recovery from multiple tests



Test Start: 2019.07.31 @ 14:37:00

KB to GR/CF: 13.00 ft

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PRESSURE SUMMARY

[illegible]

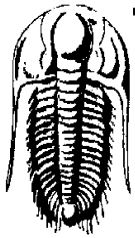
Recovery

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0.00	660 GIP	0.00
2961.00	Water	39.87
345.00	WCM 40%W 60%M	4.84

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

Woolsey Operating Co

2-34S-12W Barber

125 N Market Ste 1000
Wichita, KS 67202

Brown 1 A

Job Ticket: 65889

DST#: 4

ATTN: Bill Klaver

Test Start: 2019.07.31 @ 14:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 10.79 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 62000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	660 GIP	0.000
2961.00	Water	39.868
345.00	WCM 40%W 60%M	4.839

Total Length: 3306.00 ft Total Volume: 44.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .1 @ 86 degrees

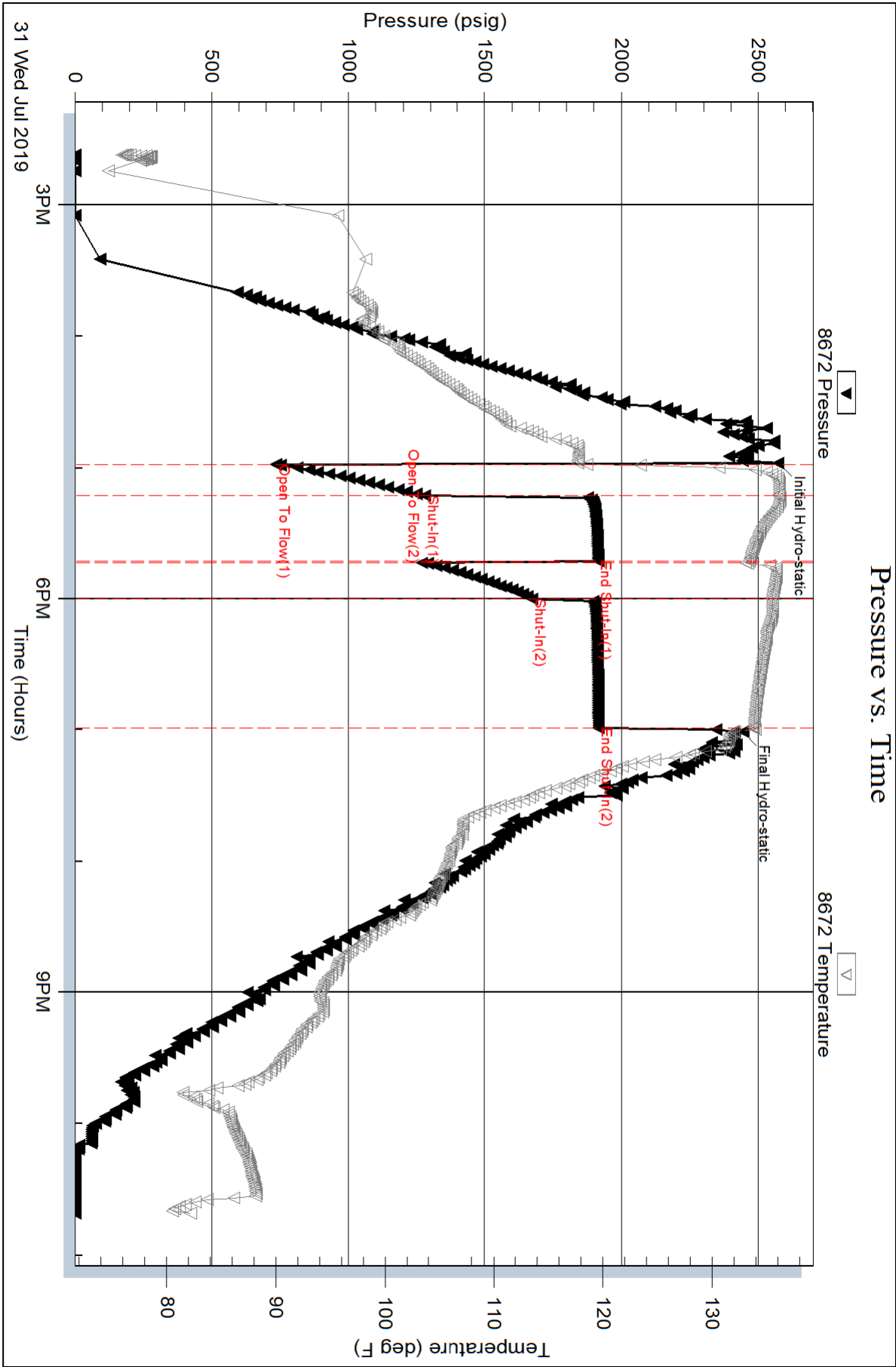
Serial #: 8672

Inside

Woodsey Operating Co

Brown 1 A

DST Test Number: 4



Serial #: 6751

Outside Woodsey Operating Co

Brown 1 A

DST Test Number: 4

