



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co
 125 N Market Ste 125
 Wichita, KS 67202
 ATTN: Bill Klaver

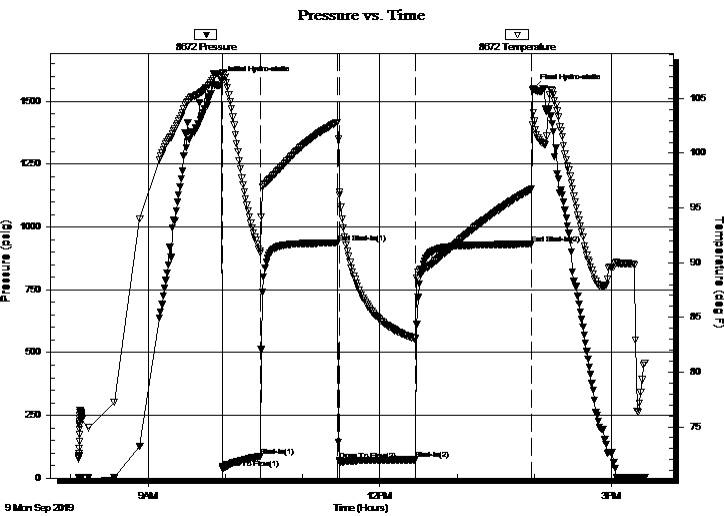
1-22S-3W Harvey
Stucky 1
 Job Ticket: 65903 **DST#: 1**
 Test Start: 2019.09.09 @ 08:06:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:58:02 Tester: Leal Cason
 Time Test Ended: 15:26:02 Unit No: 74
 Interval: **3150.00 ft (KB) To 3162.00 ft (KB) (TVD)** Reference Elevations: 1466.00 ft (KB)
 Total Depth: 3162.00 ft (KB) (TVD) 1453.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

Serial #: 8672 Inside
 Press@RunDepth: 73.67 psig @ 3151.00 ft (KB) Capacity: psig
 Start Date: 2019.09.09 End Date: 2019.09.09 Last Calib.: 2019.09.09
 Start Time: 08:06:01 End Time: 15:26:02 Time On Btm: 2019.09.09 @ 09:56:47
 Time Off Btm: 2019.09.09 @ 13:59:17

TEST COMMENT: IF: Strong Blow , BOB in 30 Seconds, GTS in 9 minutes, Gauged & Caught Sample
 IS: No Blow Back
 FF: Strong Blow , BOB & GTS Immediate, Gauged Gas
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.86	107.26	Initial Hydro-static
2	37.22	107.39	Open To Flow (1)
31	85.86	90.86	Shut-In(1)
91	936.53	102.82	End Shut-In(1)
92	69.86	96.42	Open To Flow (2)
152	73.67	83.06	Shut-In(2)
242	932.55	96.79	End Shut-In(2)
243	1552.14	103.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3146 GIP	0.00
5.00	SGCM 5%G 95%M	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	26.00	148.00
Last Gas Rate	0.50	31.00	209.12
Max. Gas Rate	0.38	47.00	172.17



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TESTING, INC.**

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FLUID SUMMARY

Woolsey Operating Co

1-22S-3W Harvey

125 N Market Ste 125
Wichita, KS 67202

Stucky 1

Job Ticket: 65903

DST#: 1

ATTN: Bill Klaver

Test Start: 2019.09.09 @ 08:06:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	3146 GIP	0.000
5.00	SGCM 5%G 95%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Woolsey Operating Co

1-22S-3W Harvey

125 N Market Ste 125
Wichita, KS 67202

Stucky 1

Job Ticket: 65903

DST#: 1

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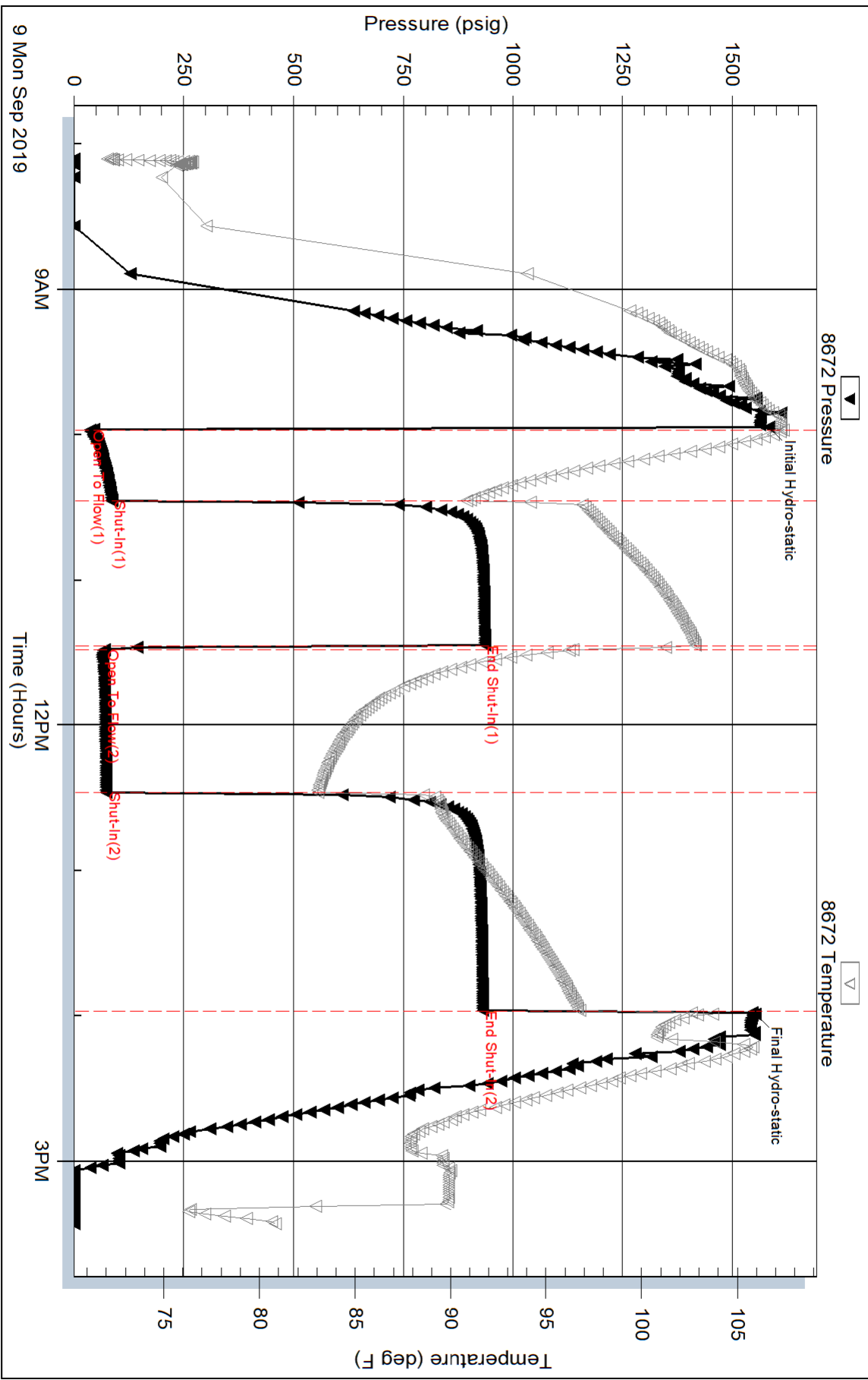
Gas Rates Information

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	10	0.38	26.00	148.00
1	20	0.38	38.00	139.20
1	30	0.38	47.00	172.17
2	10	0.50	28.00	188.88
2	20	0.50	29.00	195.63
2	30	0.50	30.00	202.37
2	40	0.50	30.00	202.37
2	50	0.50	31.00	209.12
2	60	0.50	31.00	209.12

Pressure vs. Time



Serial #: 6751

Outside Woodsey Operating Co

Stucky 1

DST Test Number: 1

