



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co.
125 N Market STE 1000
Wichita, KS 67202
ATTN: Bill Klaver

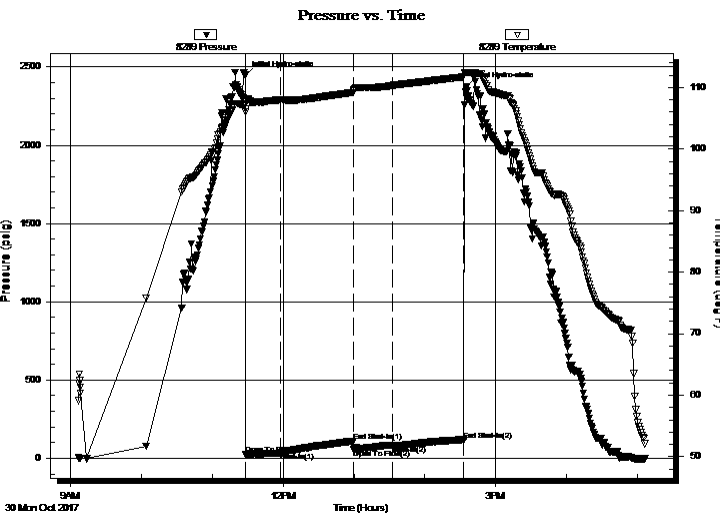
23/25S/21W Ford, KS
Hubbell #2
Job Ticket: 64103 **DST#: 5**
Test Start: 2017.10.30 @ 09:07:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: 2322.00 ft (KB)
Time Tool Opened: 11:28:20
Time Test Ended: 17:06:15
Interval: **4704.00 ft (KB) To 4752.00 ft (KB) (TVD)**
Total Depth: 4752.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 75
Reference Elevations: 2322.00 ft (KB)
2310.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8289 Inside
Press@RunDepth: 84.47 psig @ 4712.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.10.30 End Date: 2017.10.30 Last Calib.: 1899.12.30
Start Time: 09:07:02 End Time: 17:06:15 Time On Btm: 2017.10.30 @ 11:28:05
Time Off Btm: 2017.10.30 @ 14:35:24

TEST COMMENT: IF: .5 inches in 5 min, died 22 min.
IS: No blow back
FF: No blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2446.83	107.22	Initial Hydro-static
1	26.80	105.98	Open To Flow (1)
30	37.80	108.00	Shut-In(1)
92	109.65	109.21	End Shut-In(1)
92	53.68	109.51	Open To Flow (2)
125	84.47	110.30	Shut-In(2)
185	116.85	111.72	End Shut-In(2)
188	2372.19	112.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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



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FLUID SUMMARY

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125 N Market STE 1000
Wichita, KS 67202

Hubbell #2

Job Ticket: 64103

DST#: 5

ATTN: Bill Klaver

Test Start: 2017.10.30 @ 09:07:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

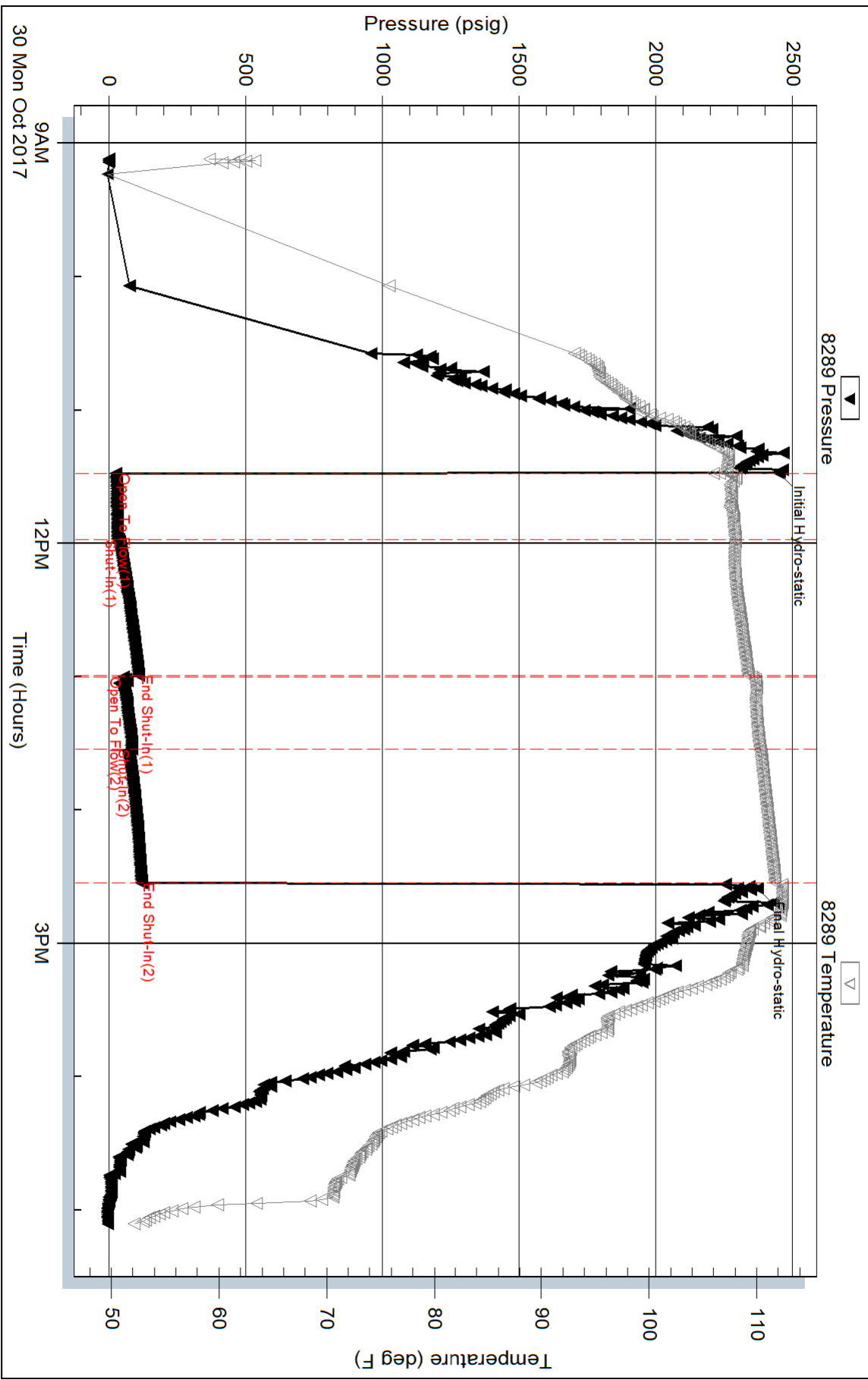
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 6672

Outside Woodsey Operating Co.

Hubbell #2

DST Test Number: 5

