



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hutchinson Oil Co  
PO Box 521  
Derby, KS 67037  
ATTN: Jeff Burk

**5-23S-12W Stafford**

**Hitz 2**

Job Ticket: 55417

**DST#: 4**

Test Start: 2016.09.19 @ 02:25:27

## GENERAL INFORMATION:

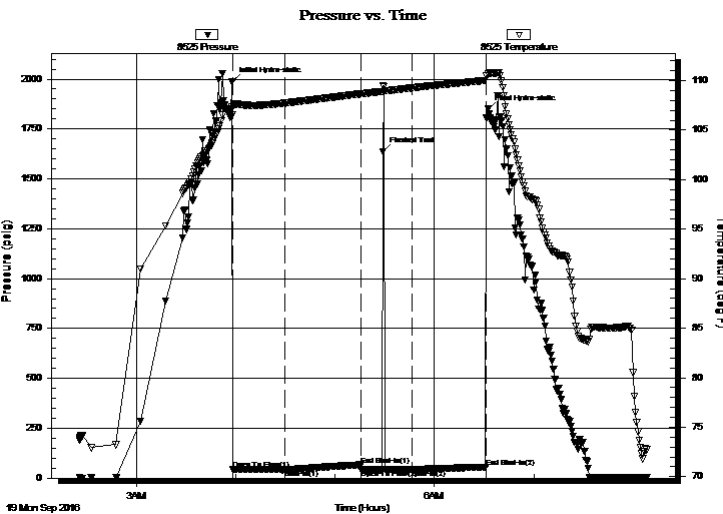
Formation: **Simpson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:57:57  
 Time Test Ended: 08:08:42  
 Interval: **3718.00 ft (KB) To 3750.00 ft (KB) (TVD)**  
 Total Depth: 3750.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 1849.00 ft (KB)  
 1844.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8525

Inside

Press@RunDepth: 41.87 psig @ 3719.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.09.19 End Date: 2016.09.19 Last Calib.: 2016.09.19  
 Start Time: 02:25:28 End Time: 08:08:42 Time On Btm: 2016.09.19 @ 03:57:42  
 Time Off Btm: 2016.09.19 @ 06:32:12

TEST COMMENT: IF: Weak 3 1/2 inch Blow  
 IS: No Blow Back  
 FF: Weak Surface Blow, Died Immediately, Flushed Tool, No Blow  
 FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.47	107.33	Initial Hydro-static
1	42.23	106.56	Open To Flow (1)
32	41.77	107.73	Shut-In(1)
78	66.99	108.66	End Shut-In(1)
78	42.11	108.66	Open To Flow (2)
91	1636.58	109.47	Flushed Tool
109	41.87	109.27	Shut-In(2)
154	55.23	110.02	End Shut-In(2)
155	1849.42	110.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.42

## Gas Rates

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

\* Recovery from multiple tests





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**FLUID SUMMARY**

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**Hitz 2**

Job Ticket: 55417

**DST#: 4**

ATTN: Jeff Burk

Test Start: 2016.09.19 @ 02:25:27

## 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: 55.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

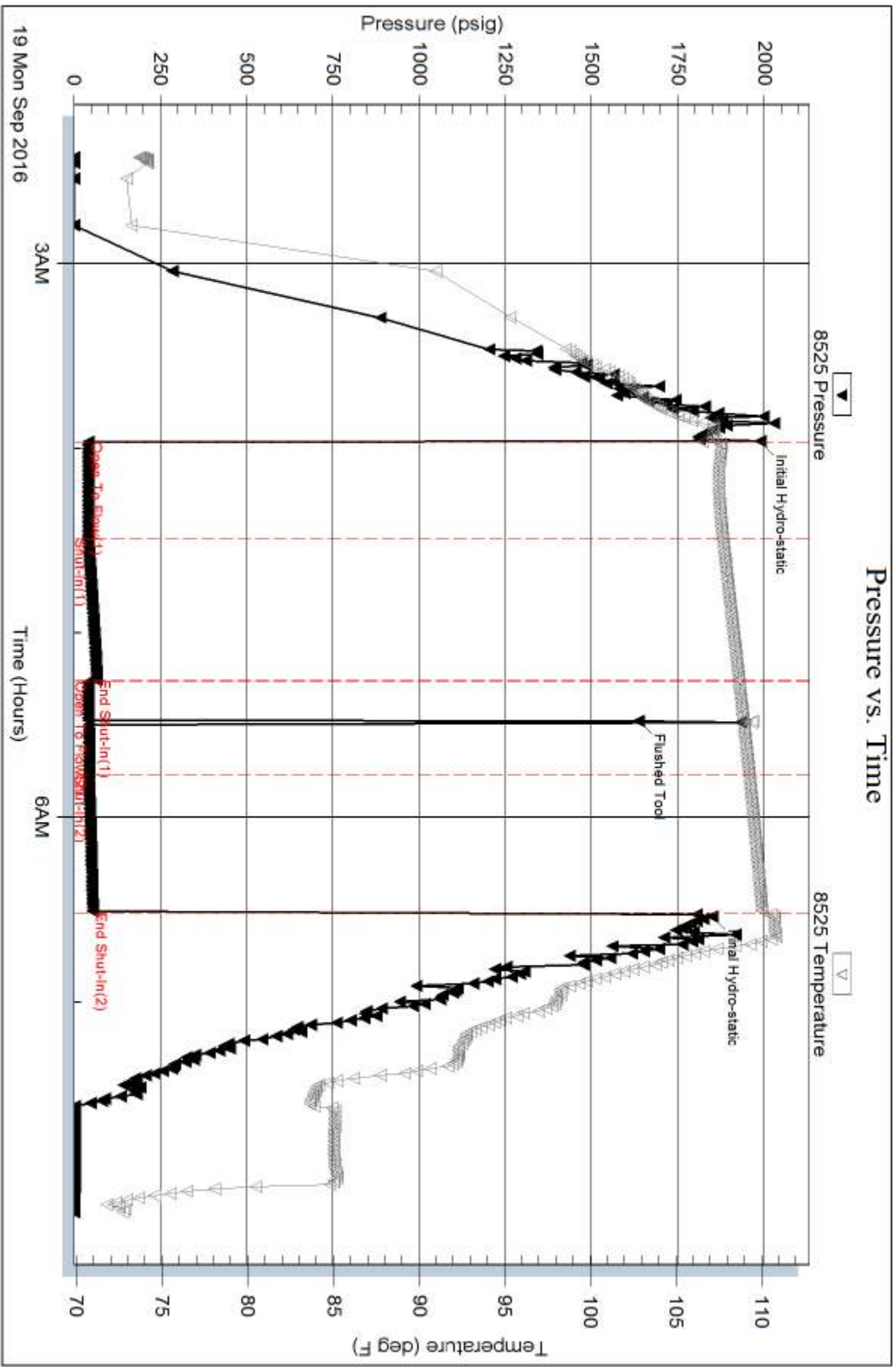
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

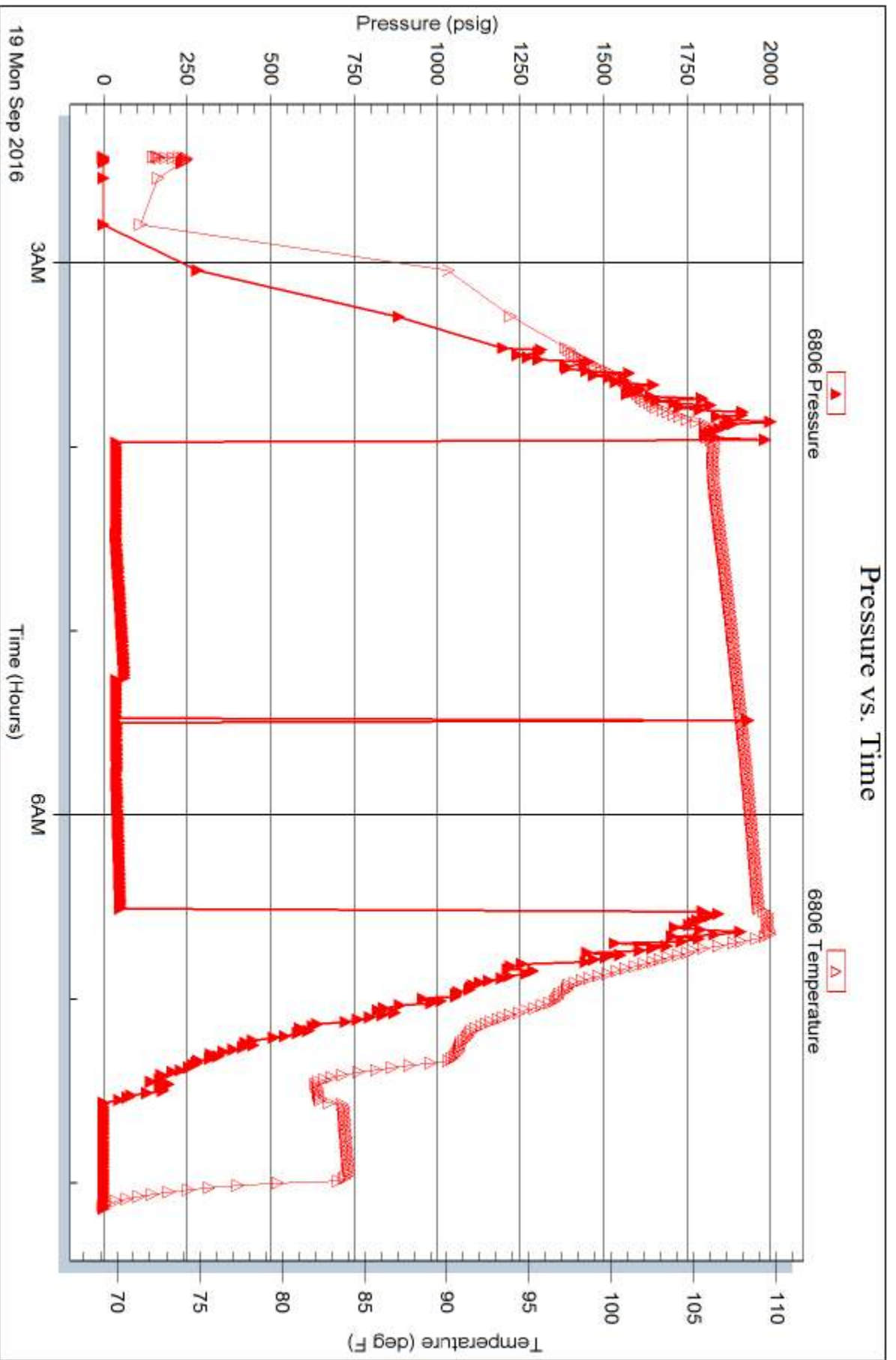


Serial #: 6806

Outside Hutchinson Oil Co

Hitz 2

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 55A17

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