



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

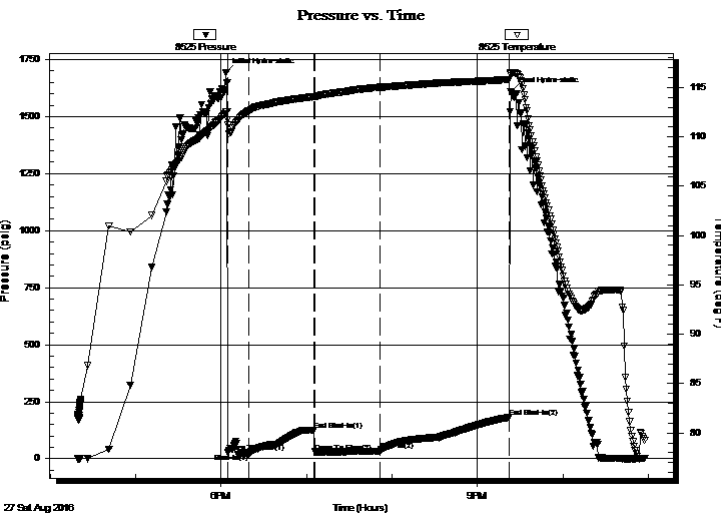
1-31S-3W Sumner
JB Hare 1
Job Ticket: 55411 **DST#: 1**
Test Start: 2016.08.27 @ 16:19:14

GENERAL INFORMATION:

Formation: **Swope**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:04:44
Time Test Ended: 22:57:44
Interval: **3292.00 ft (KB) To 3320.00 ft (KB) (TVD)**
Total Depth: 3320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1301.00 ft (KB)
1290.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8525 Inside
Press@RunDepth: 35.37 psig @ 3293.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.27 End Date: 2016.08.27 Last Calib.: 2016.08.27
Start Time: 16:19:15 End Time: 22:57:44 Time On Btm: 2016.08.27 @ 18:03:29
Time Off Btm: 2016.08.27 @ 21:23:29

TEST COMMENT: IF: Fair Blow , Built to 7 1/2 inches
IS: 1/2 inch Blow Back
FF: Fair Blow , Built to 10 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.41	112.49	Initial Hydro-static
2	26.47	111.75	Open To Flow (1)
16	22.05	112.59	Shut-In(1)
62	123.93	114.07	End Shut-In(1)
63	30.04	114.04	Open To Flow (2)
109	35.37	115.03	Shut-In(2)
199	182.58	115.80	End Shut-In(2)
200	1607.67	116.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	486 GIP	0.00
10.00	SOSM - 1%O +99%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

1-31S-3W Sumner
JB Hare 1
Job Ticket: 55411 **DST#: 1**
Test Start: 2016.08.27 @ 16:19:14

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	486 GIP	0.000
10.00	SOSM - 1%O +99%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:

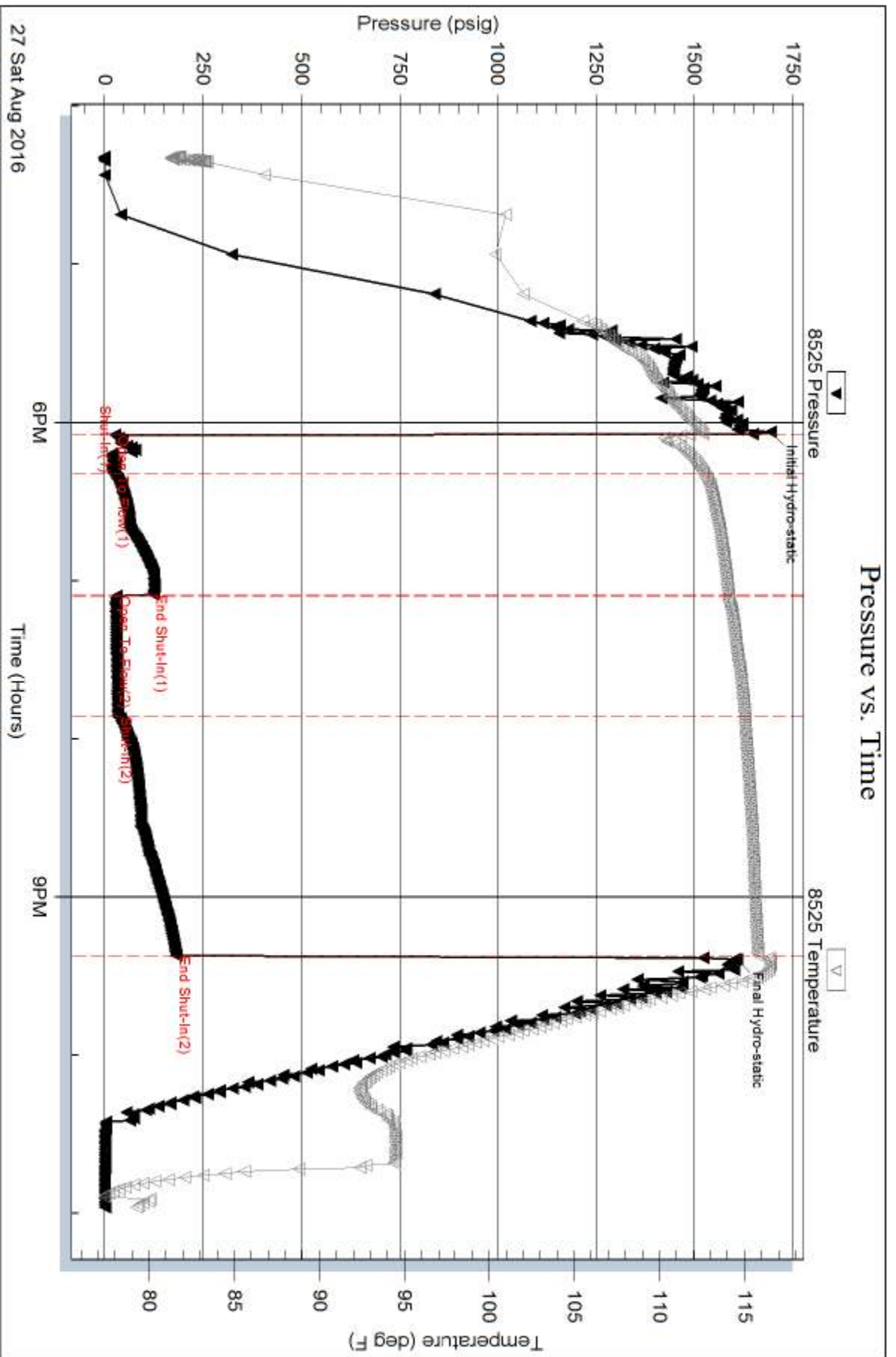
Serial #: 8525

Inside

Herman L Loeb

JB Here 1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55A11

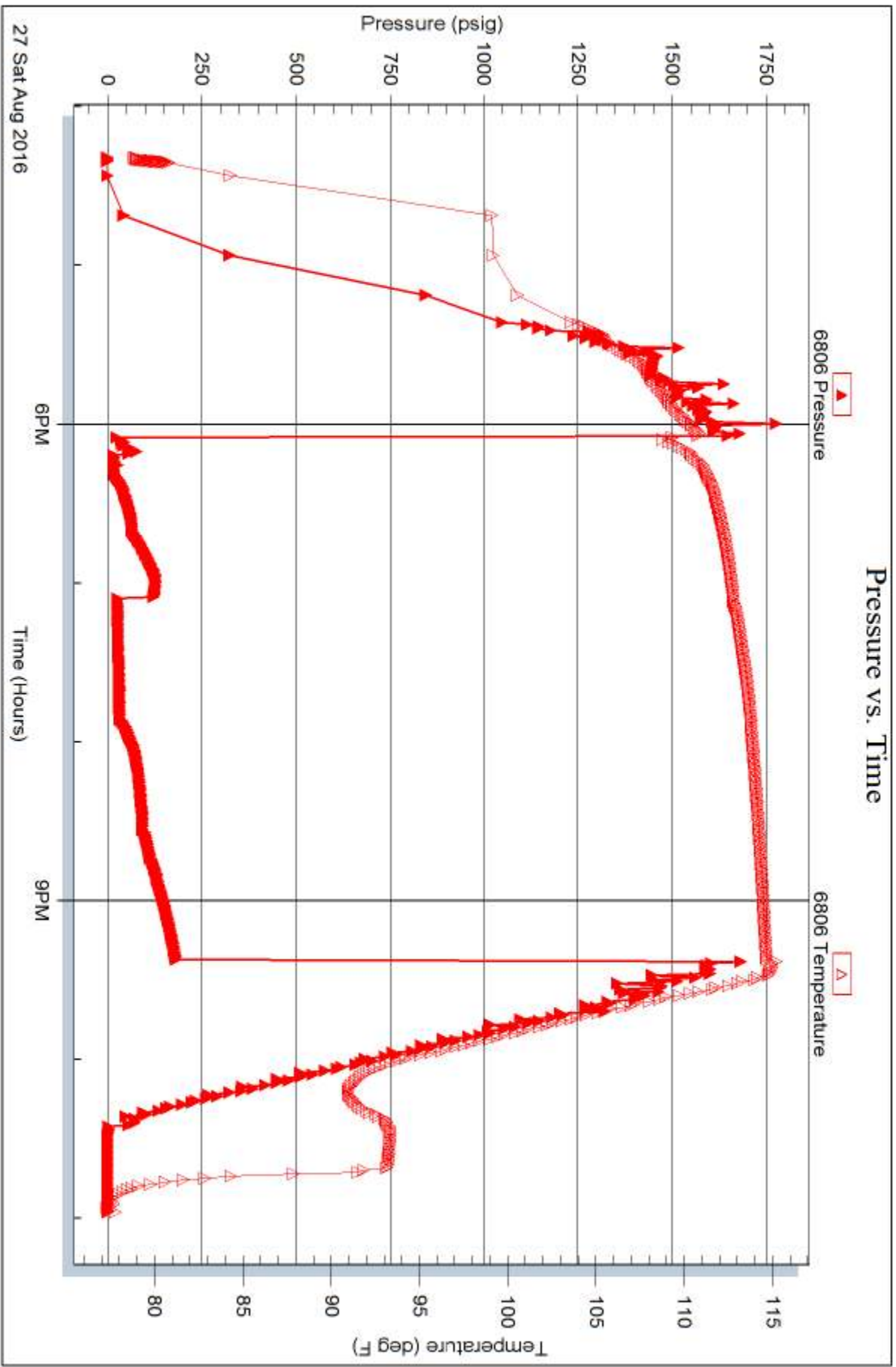
Printed: 2016.08.28 @ 07:34:03

Serial #: 6806

Outside Herman L Loeb

JB Hare 1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55A11

Printed: 2016.08.28 @ 07:34:03