



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67856
 ATTN: Jason Alm

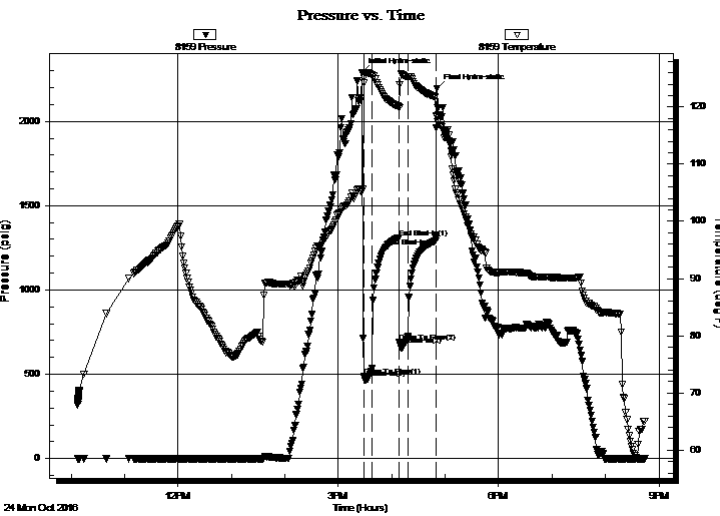
12-20S-21W Ness
Hinnergardt 12 Unit
 Job Ticket: 57959 **DST#: 1**
 Test Start: 2016.10.24 @ 10:07:15

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:28:45
 Time Test Ended: 20:44:00
 Interval: **4361.00 ft (KB) To 4372.00 ft (KB) (TVD)**
 Total Depth: 4372.00 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: 22398.00 ft (KB)
 2230.00 ft (CF)
 KB to GR/CF: 20168.00 ft

Serial #: 8159 Inside
 Press@RunDepth: 723.79 psig @ 4362.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.24 End Date: 2016.10.24 Last Calib.: 2016.10.24
 Start Time: 10:07:16 End Time: 20:44:00 Time On Btm: 2016.10.24 @ 15:26:30
 Time Off Btm: 2016.10.24 @ 16:50:45

TEST COMMENT: IF: Strong Blow , BOB in 1 minute
 IS: Blow Back Built to 2 inches
 FF: Strong Blow , BOB in 45 seconds
 FS: 1 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.56	105.27	Initial Hydro-static
3	490.00	124.19	Open To Flow (1)
12	532.45	125.64	Shut-In(1)
42	1310.67	120.03	End Shut-In(1)
42	691.73	119.84	Open To Flow (2)
52	723.79	125.22	Shut-In(2)
83	1308.77	121.70	End Shut-In(2)
85	2194.29	118.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1700.00	Oil	23.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, KS 67856
ATTN: Jason Alm

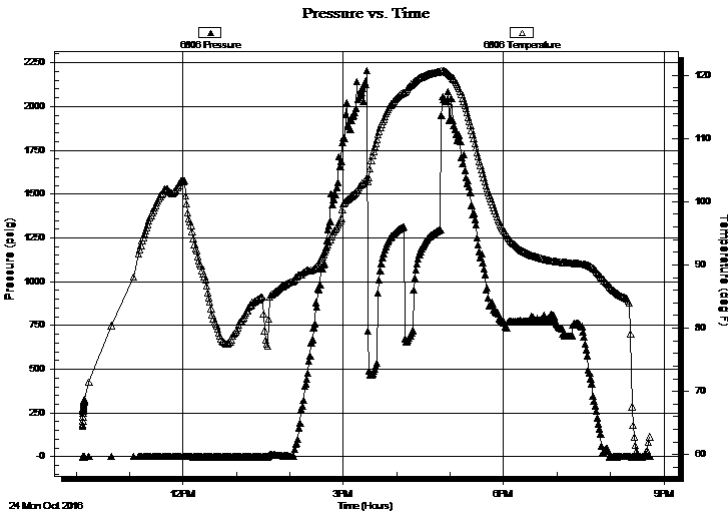
12-20S-21W Ness
Hinnergardt 12 Unit
Job Ticket: 57959 **DST#: 1**
Test Start: 2016.10.24 @ 10:07:15

GENERAL INFORMATION:

Formation:	Mississippi				
Deviated:	No	Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened:	15:28:45			Tester:	Leal Cason
Time Test Ended:	20:44:00			Unit No:	74
Interval:	4361.00 ft (KB) To	4372.00 ft (KB) (TVD)		Reference Elevations:	22398.00 ft (KB)
Total Depth:	4372.00 ft (KB) (TVD)				2230.00 ft (CF)
Hole Diameter:	7.88 inches			Hole Condition:	Good
				KB to GR/CF:	20168.00 ft

Serial #: 6806	Outside				
Press@RunDepth:	psig @	4362.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2016.10.24	End Date:	2016.10.24	Last Calib.:	2016.10.24
Start Time:	10:07:16	End Time:	20:44:00	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Strong Blow , BOB in 1 minute
IS: Blow Back Built to 2 inches
FF: Strong Blow , BOB in 45 seconds
FS: 1 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1700.00	Oil	23.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67856
ATTN: Jason Alm

12-20S-21W Ness
Hinnergardt 12 Unit
Job Ticket: 57959 **DST#: 1**
Test Start: 2016.10.24 @ 10:07:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5200.00 ppm		
Filter Cake: 0.02 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1700.00	Oil	23.564

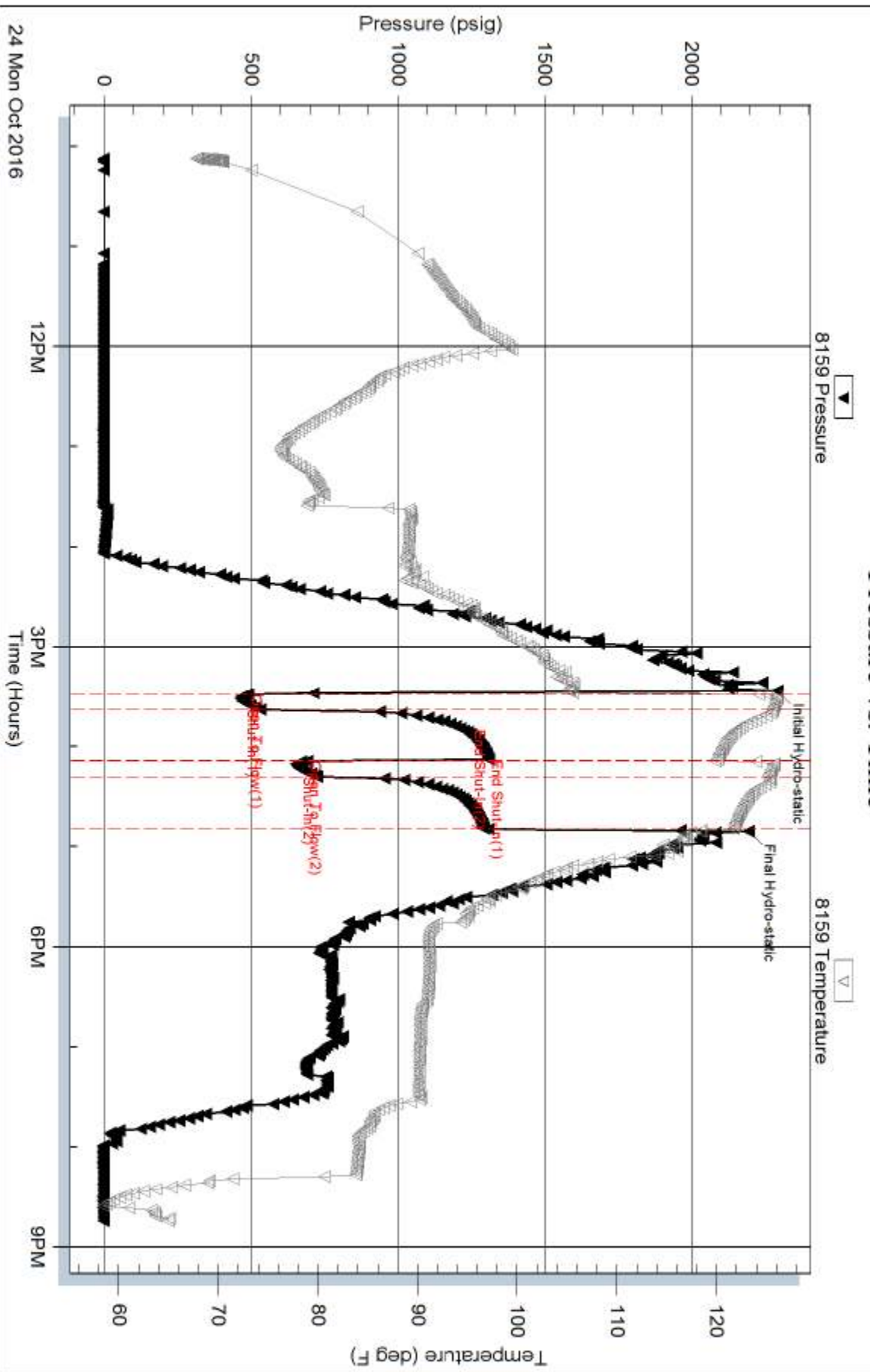
Total Length: 1700.00 ft Total Volume: 23.564 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity w as 34.8 @ 78 degrees

Pressure vs. Time



Serial #: 6806

Outside American Warrior Inc

Hinnergardt 12 Unit

DST Test Number: 1

