

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	WARD UNIT 1-10
Doc ID	1662979

All Electric Logs Run

Sonic,
Dual induction
Dual Comp porosity
Microresistivity

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	WARD UNIT 1-10
Doc ID	1662979

Tops

Name	Top	Datum
Anhydrite	2668	589
Base	2695	562
Heebner	4025	-768
Lansing	4072	-815
Bkc	4409	-1152
Marmaton	4447	-1190
Fort Scott	4550	-1293
Cherokee	4565	-1308
Morrow	4730	-1473
Miss	4818	-1561
RTD	4828	-1571
LTD	4830	-1573



# **Geological Report**

American Warrior, Inc.

## **Ward Unit #1-10**

1347' FNL & 2554' FWL

Sec. 10, T12s, R36w

Logan County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Ward Unit #1-10  
1347' FNL & 2554' FWL  
Sec. 10, T12s, R36w  
Logan County, Kansas  
API # 15-109-21649-00-00

Drilling Contractor: Duke Drilling Rig #5

Geologist: Austin Garner

Spud Date: July 15, 2022

Completion Date: July 25, 2015

Elevation 3247' G.L.  
3258' K.B.

Directions: From Winona, KS, at the intersection of Hwy 40 and Bellview Ave. Go 3.8 miles SW on Hwy 40 trail road on North side of Hwy 40. Follow trail road North and West into.

Casing: 395' 8 5/8" #24 Surface Casing

Samples: EST 3700' to RTD 10' Wet & Dry

Drilling Time: None

Electric Logs: Pioneer Energy Services "D. Schmidt"  
Full Sweep

Drillstem Tests: Three-Trilobite Testing "Nathan Aneas"

Problems: None

## **Formation Tops**

**Ward Unit #1-10**

**Sec. 10, T12s, R36w**

**1347' FNL & 2554' FWL**

<b>Anhydrite</b>	<b>2668' +589</b>
<b>Base</b>	<b>2695' +562</b>
<b>Heebner</b>	<b>4025' -768</b>
<b>Lansing</b>	<b>4072' -815</b>
<b>BKc</b>	<b>4409' -1152</b>
<b>Marmaton</b>	<b>4447' -1190</b>
<b>Fort Scott</b>	<b>4550' -1293</b>
<b>Cherokee</b>	<b>4565' -1308</b>
<b>Morrow</b>	<b>4730' -1473</b>
<b>Miss</b>	<b>4818' -1561</b>
<b>RTD</b>	<b>4828' -1571</b>
<b>LTD</b>	<b>4830' -1573</b>



## Drill Stem Tests

Trilobite Testing

“Nathan Aneas”

### DST #1

#### Topeka

Interval (3610' - 3672') Anchor Length 62'

IHP -1732 #

IFP - 15" – WSB 19-23 #

ISI - 30" – No Return 994 #

FFP - 15" – No Blow 24-26 #

FSIP - 30" - No Return 903 #

FHP - 1591 #

BHT - 114° F

Recovery: 5' Mud

### DST #2

#### Lower Topeka

Interval (3696' – 3781') Anchor Length 85'

IHP -1867 #

IFP - 15" – 2.5" blow 55-81 #

ISI - 30" - No Return 1080 #

FFP - 30" – 2.5" blow 91-132 #

FSIP - 60" - No Return 1087 #

FHP -1656 #

BHT - 117° F

Recovery: 177' Mud

### DST #3

#### Lansing 'A'

Interval (4000' – 4078') Anchor Length 78'

IHP -2061 #

IFP - 15" – BOB in 2 min 219-498 #

ISI - 30" - No Return 1171 #

FFP - 15" - BOB in 2 min 547-742 #

FSIP - 30" - No Return 1168 #

FHP - 1905 #

BHT - 126° F

Recovery: 1445' W, 118' MW

## Structural Comparison

	American Warrior, Inc. Ward Unit #1-10 Sec. 10, T12s, R36w 1347' FNL & 2554' FWL		Mull Drilling Co Andrews #1 Sec. 15, T12s, R36w 1650' FSL & 990' FEL		Fossil Resources LLC Nelson #3 Sec 33, T12s, R36w 330' FNL & 776' FWL
<b>Formation</b>					
Heebner	4025' -768	+16	3955' -784	-58	3848' -710
Lansing	4072' -815	+13	3999' -828	-61	3892' -754
Stark	NA	NA	4243' -1072	NA	4142' -1004
BKC	4409' -1152	NA	NA	-43	4247' -1109
Marmaton	4447' -1190	NA	NA	-44	4284' -1146
Pawnee	NA	NA	NA	NA	4347' -1209
Fort Scott	4550' -1293	+32	4496' -1325	-43	4388' -1250
Cherokee	4565' -1308	+49	4528' -1357	-42	4404' -1266
Morrow	4730' -1473	NA	NA	-60	4551' -1413
Miss	4818' -1561	+16	4748' -1577	-62	4637' -1499

### Summary

The location for the Ward Unit #1-10 well was found via 3-D seismic survey. The new well ran structurally lower than expected. Three drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Ward Unit #1-10 well.

Respectfully submitted:

Kevin Timson  
Geologist  
American Warrior, Inc.



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 P.O. Box 399  
 Garden City, KS 67486  
 ATTN: Austin Garner

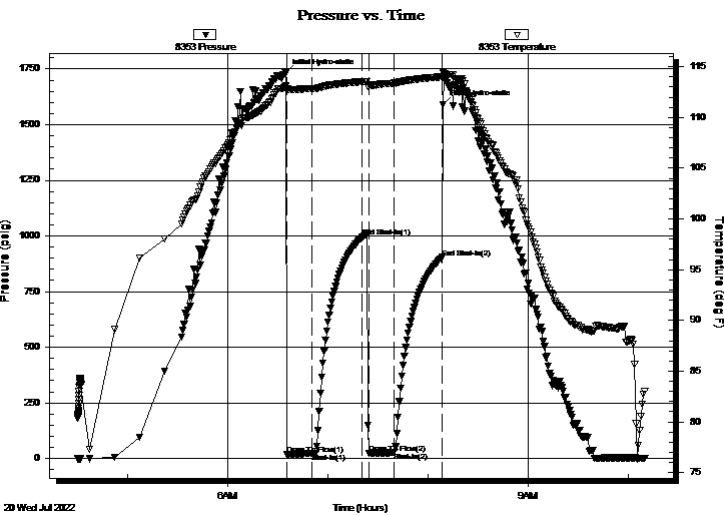
**10-12S-36W Logan,KS**  
**Ward Unit #1-10**  
 Job Ticket: 67271 **DST#: 1**  
 Test Start: 2022.07.20 @ 04:30:00

## GENERAL INFORMATION:

Formation: **Topeka**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:35:30  
 Time Test Ended: 10:09:45  
 Interval: **3610.00 ft (KB) To 3672.00 ft (KB) (TVD)**  
 Total Depth: 3672.00 ft (KB) (TVD)  
 Hole Diameter: 7.87 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Nathan Aneas  
 Unit No: 71  
 Reference Elevations: 3257.00 ft (KB)  
 3246.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8353 Inside**  
 Press@RunDepth: 26.42 psig @ 3611.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.07.20 End Date: 2022.07.20 Last Calib.: 2022.07.20  
 Start Time: 04:30:01 End Time: 10:09:45 Time On Btm: 2022.07.20 @ 06:34:45  
 Time Off Btm: 2022.07.20 @ 08:09:00

**TEST COMMENT:** 15:IF- Weak surface blow , built to 1/4 inch in 10 min, final blow is 1/2 inch  
 30:IS- No blow back  
 15:FF- No blow  
 30:FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.68	113.12	Initial Hydro-static
1	18.53	112.79	Open To Flow (1)
16	22.89	112.85	Shut-In(1)
46	993.50	113.53	End Shut-In(1)
50	24.06	113.23	Open To Flow (2)
65	26.42	113.38	Shut-In(2)
94	903.43	114.01	End Shut-In(2)
95	1591.44	114.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%M	0.02

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

**10-12S-36W Logan,KS**  
**Ward Unit #1-10**  
Job Ticket: 67271      **DST#: 1**  
Test Start: 2022.07.20 @ 04:30:00

## 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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 2.00 inches			

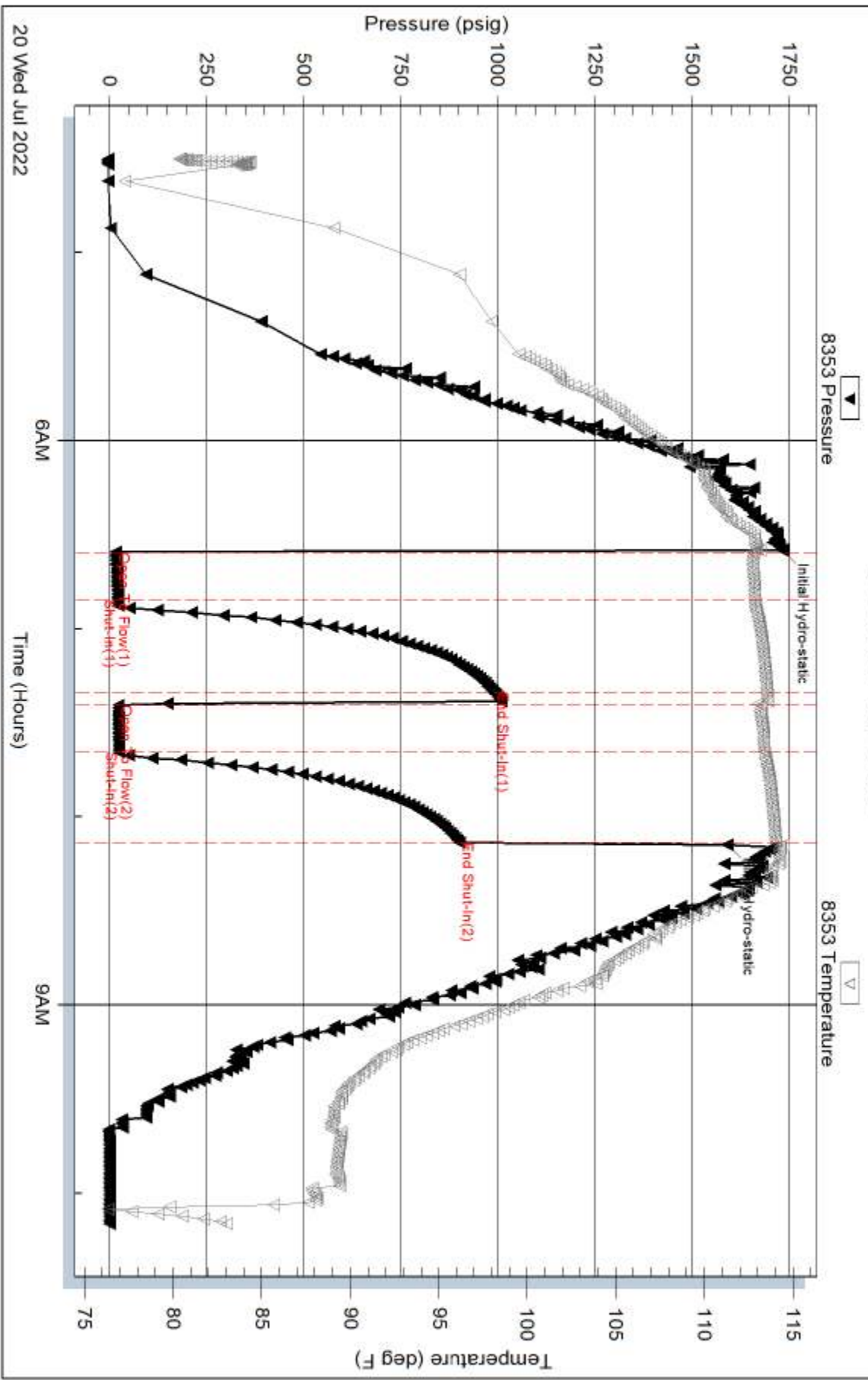
## Recovery Information

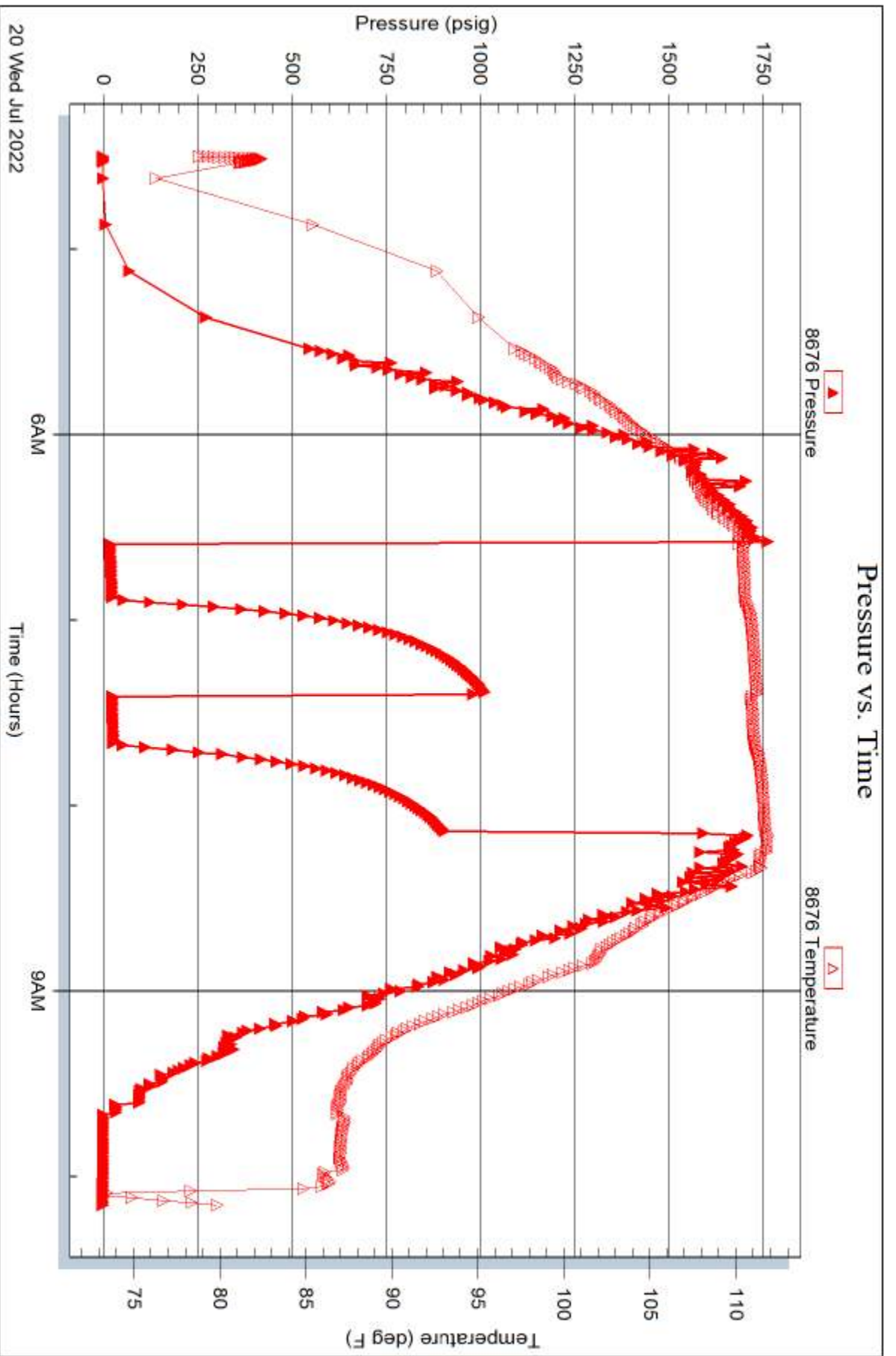
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%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:

### Pressure vs. Time







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

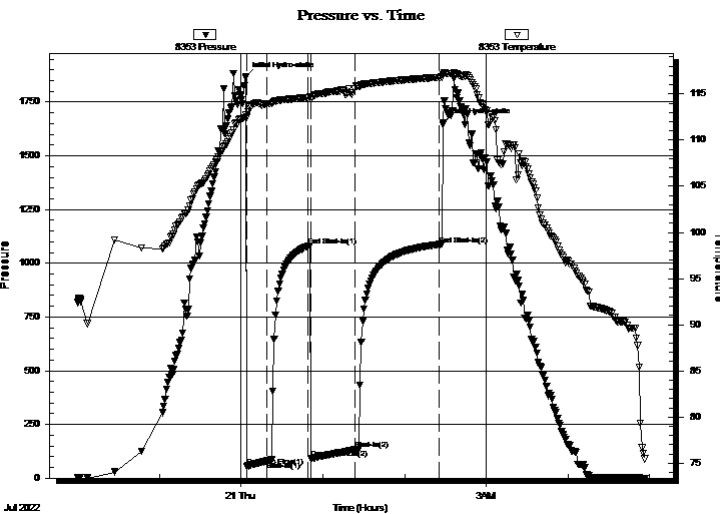
**10-12S-36W Logan, KS**  
**Ward Unit #1-10**  
Job Ticket: 67272 **DST#: 2**  
Test Start: 2022.07.20 @ 22:00:00

## GENERAL INFORMATION:

Formation: **Lower Topeka**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:04:15  
Time Test Ended: 04:57:00  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Nathan Aneas  
Unit No: 71  
Interval: **3696.00 ft (KB) To 3781.00 ft (KB) (TVD)**  
Reference Elevations: 3257.00 ft (KB)  
Total Depth: 3781.00 ft (KB) (TVD) 3246.00 ft (CF)  
Hole Diameter: 7.87 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 8353 Inside**  
Press@RunDepth: 132.35 psig @ 3697.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2022.07.20 End Date: 2022.07.21 Last Calib.: 2022.07.21  
Start Time: 22:00:01 End Time: 04:57:00 Time On Btm: 2022.07.21 @ 00:03:30  
Time Off Btm: 2022.07.21 @ 02:28:30

**TEST COMMENT:** 15:IF- Weak surface blow , built to 2 inches in 10 min, final blow is 2 1/2 inches  
30:IS- No blow back  
30:FF- Weak surface blow , built to 1 inch in 10 min, final blow is 2 1/2 inches  
60:FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1867.29	112.72	Initial Hydro-static
1	55.21	112.48	Open To Flow (1)
16	80.83	113.93	Shut-In(1)
46	1080.32	114.63	End Shut-In(1)
48	90.69	114.52	Open To Flow (2)
80	132.35	115.57	Shut-In(2)
142	1087.27	116.80	End Shut-In(2)
145	1655.62	117.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
177.00	Mud 100%M	0.87

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 P.O. Box 399  
 Garden City, KS 67486  
 ATTN: Austin Garner

**10-12S-36W Logan, KS**  
**Ward Unit #1-10**  
 Job Ticket: 67272      **DST#: 2**  
 Test Start: 2022.07.20 @ 22:00:00

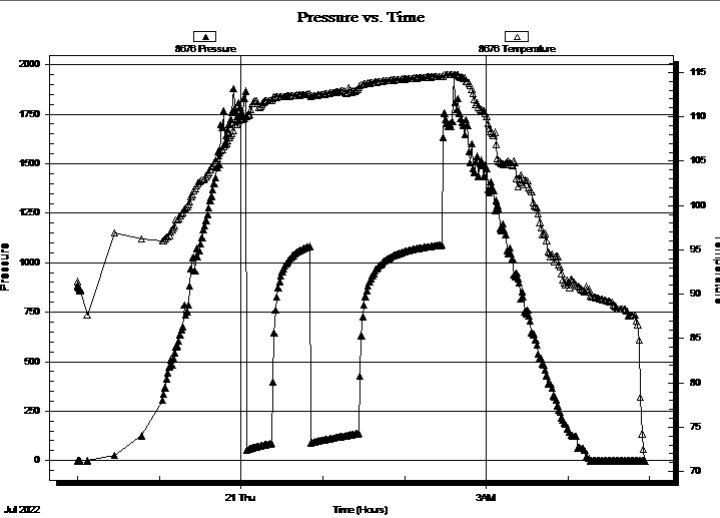
**GENERAL INFORMATION:**

Formation: **Lower Topeka**  
 Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 00:04:15      Tester: Nathan Aneas  
 Time Test Ended: 04:57:00      Unit No: 71  
**Interval: 3696.00 ft (KB) To 3781.00 ft (KB) (TVD)**      Reference Elevations: 3257.00 ft (KB)  
 Total Depth: 3781.00 ft (KB) (TVD)      3246.00 ft (CF)  
 Hole Diameter: 7.87 inches Hole Condition: Fair      KB to GR/CF: 11.00 ft

**Serial #: 8676 Outside**

Press@RunDepth:      psig @      3697.00 ft (KB)      Capacity:      8000.00 psig  
 Start Date:      2022.07.20      End Date:      2022.07.21      Last Calib.:      2022.07.21  
 Start Time:      22:00:01      End Time:      04:57:00      Time On Btm:  
    Time Off Btm:

**TEST COMMENT:** 15:IF- Weak surface blow , built to 2 inches in 10 min, final blow is 2 1/2 inches  
 30:IS- No blow back  
 30:FF- Weak surface blow , built to 1 inch in 10 min, final blow is 2 1/2 inches  
 60:FS- No blow back



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
177.00	Mud 100%M	0.87

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

**10-12S-36W Logan,KS**  
**Ward Unit #1-10**  
Job Ticket: 67272      **DST#: 2**  
Test Start: 2022.07.20 @ 22:00:00

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 2.00 inches			

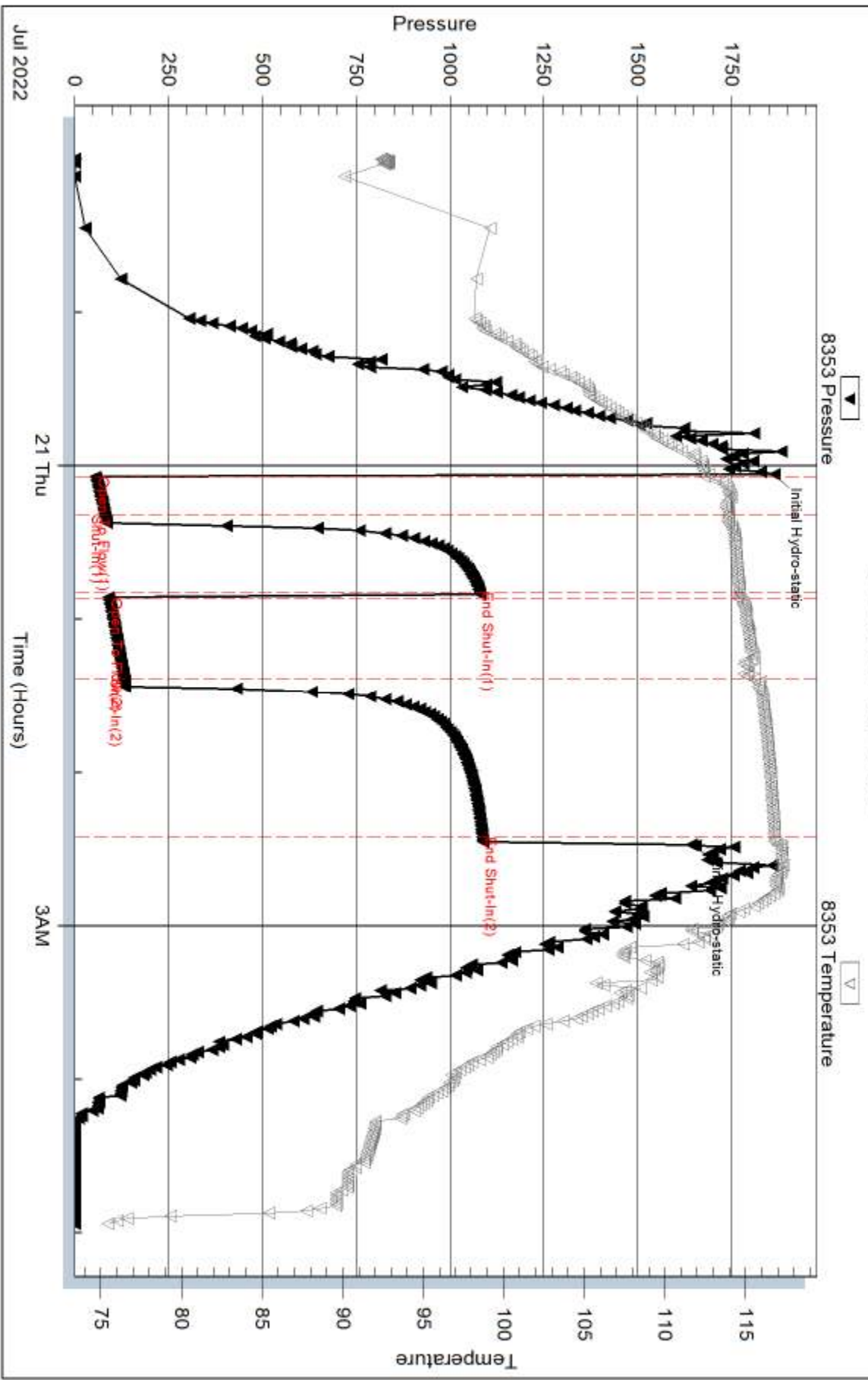
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
177.00	Mud 100%M	0.870

Total Length: 177.00 ft      Total Volume: 0.870 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

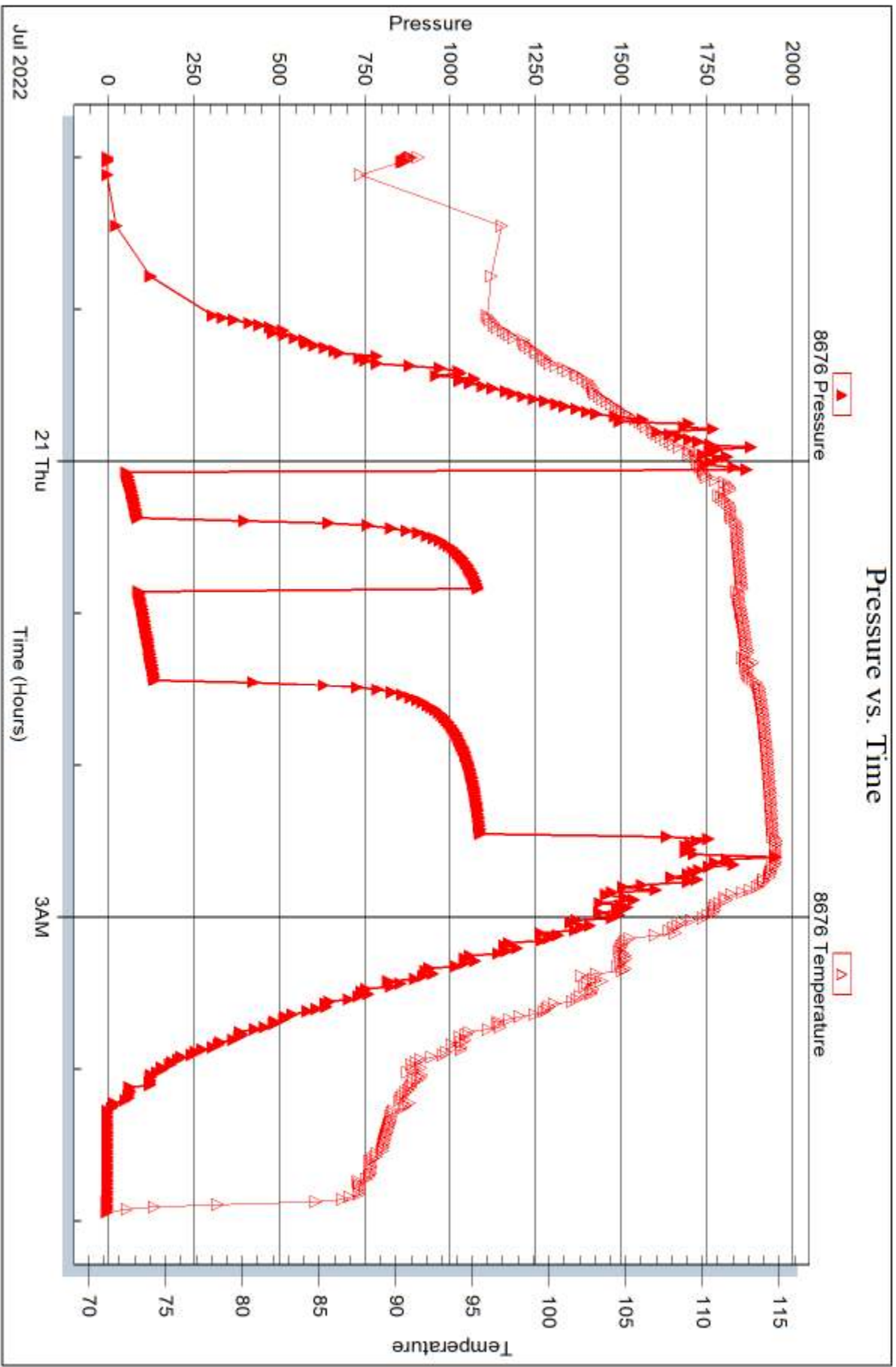


Serial #: 8676

Outside American Warrior Inc

Ward Unit #1-10

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 67272

Printed: 2022.07.21 @ 07:05:25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

**10-12S-36W Logan,KS**

**Ward Unit #1-10**

Job Ticket: 67273

**DST#: 3**

Test Start: 2022.07.22 @ 04:35:00

## GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:48:30

Time Test Ended: 11:16:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

**Interval: 4000.00 ft (KB) To 4078.00 ft (KB) (TVD)**

Reference Elevations: 3257.00 ft (KB)

Total Depth: 4078.00 ft (KB) (TVD)

3246.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8353**

**Inside**

Press@RunDepth: 742.41 psig @ 4001.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.07.22

End Date:

2022.07.22

Last Calib.:

2022.07.22

Start Time: 04:35:01

End Time:

11:16:00

Time On Btm:

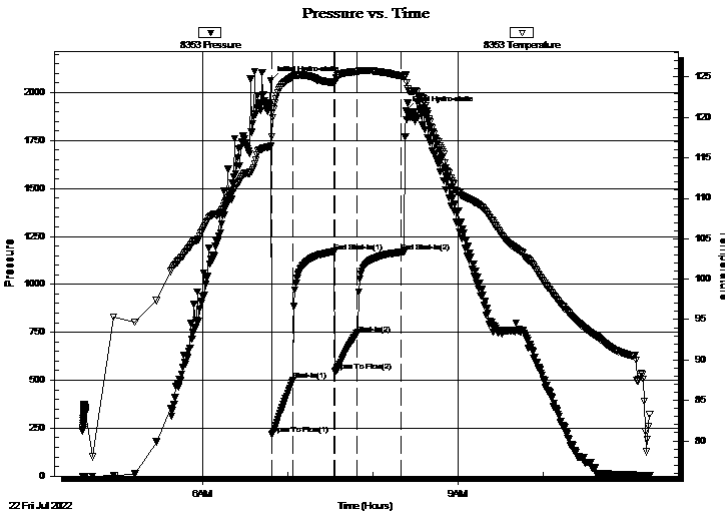
2022.07.22 @ 06:47:45

Time Off Btm:

2022.07.22 @ 08:23:15

**TEST COMMENT:** 15:IF- Strong surface blow , BOB in 2 min, final blow is 93.81 inches  
30:IS- No blow back  
15:FF- Strong surface blow , BOB in 2 min, final blow is 71.38 inches  
30:FS- No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.58	116.45	Initial Hydro-static
1	219.10	117.66	Open To Flow (1)
16	498.36	125.03	Shut-In(1)
45	1171.31	124.29	End Shut-In(1)
46	546.75	124.42	Open To Flow (2)
61	742.41	125.66	Shut-In(2)
93	1168.43	125.12	End Shut-In(2)
96	1905.03	125.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	MW 95%W 5%M	0.58
1445.00	W 100%W	19.73

## Gas Rates

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

\* Recovery from multiple tests



# DRILL STEM TEST REPORT

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

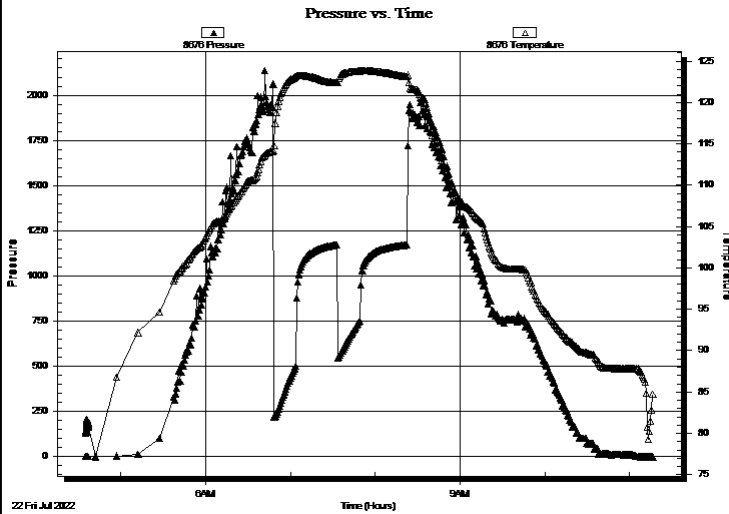
**10-12S-36W Logan, KS**  
**Ward Unit #1-10**  
Job Ticket: 67273      **DST#: 3**  
Test Start: 2022.07.22 @ 04:35:00

## GENERAL INFORMATION:

Formation: **Lansing A**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 06:48:30      Tester: Nathan Aneas  
Time Test Ended: 11:16:00      Unit No: 71  
**Interval: 4000.00 ft (KB) To 4078.00 ft (KB) (TVD)**      Reference Elevations: 3257.00 ft (KB)  
Total Depth: 4078.00 ft (KB) (TVD)      3246.00 ft (CF)  
Hole Diameter: 7.87 inches Hole Condition: Fair      KB to GR/CF: 11.00 ft

**Serial #: 8676      Outside**  
Press@RunDepth:      psig @ 4001.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.07.22      End Date: 2022.07.22      Last Calib.: 2022.07.22  
Start Time: 04:35:01      End Time: 11:16:15      Time On Btm:  
Time Off Btm:

TEST COMMENT: 15:IF- Strong surface blow , BOB in 2 min, final blow is 93.81 inches  
30:IS- No blow back  
15:FF- Strong surface blow , BOB in 2 min, final blow is 71.38 inches  
30:FS- No blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	MW 95%W 5%M	0.58
1445.00	W 100%W	19.73

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
P.O. Box 399  
Garden City, KS 67486  
ATTN: Austin Garner

**10-12S-36W Logan,KS**  
**Ward Unit #1-10**  
Job Ticket: 67273      **DST#: 3**  
Test Start: 2022.07.22 @ 04:35:00

## 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:	21000 ppm
Viscosity: 73.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.29 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	MW 95%W 5%M	0.580
1445.00	W 100%W	19.732

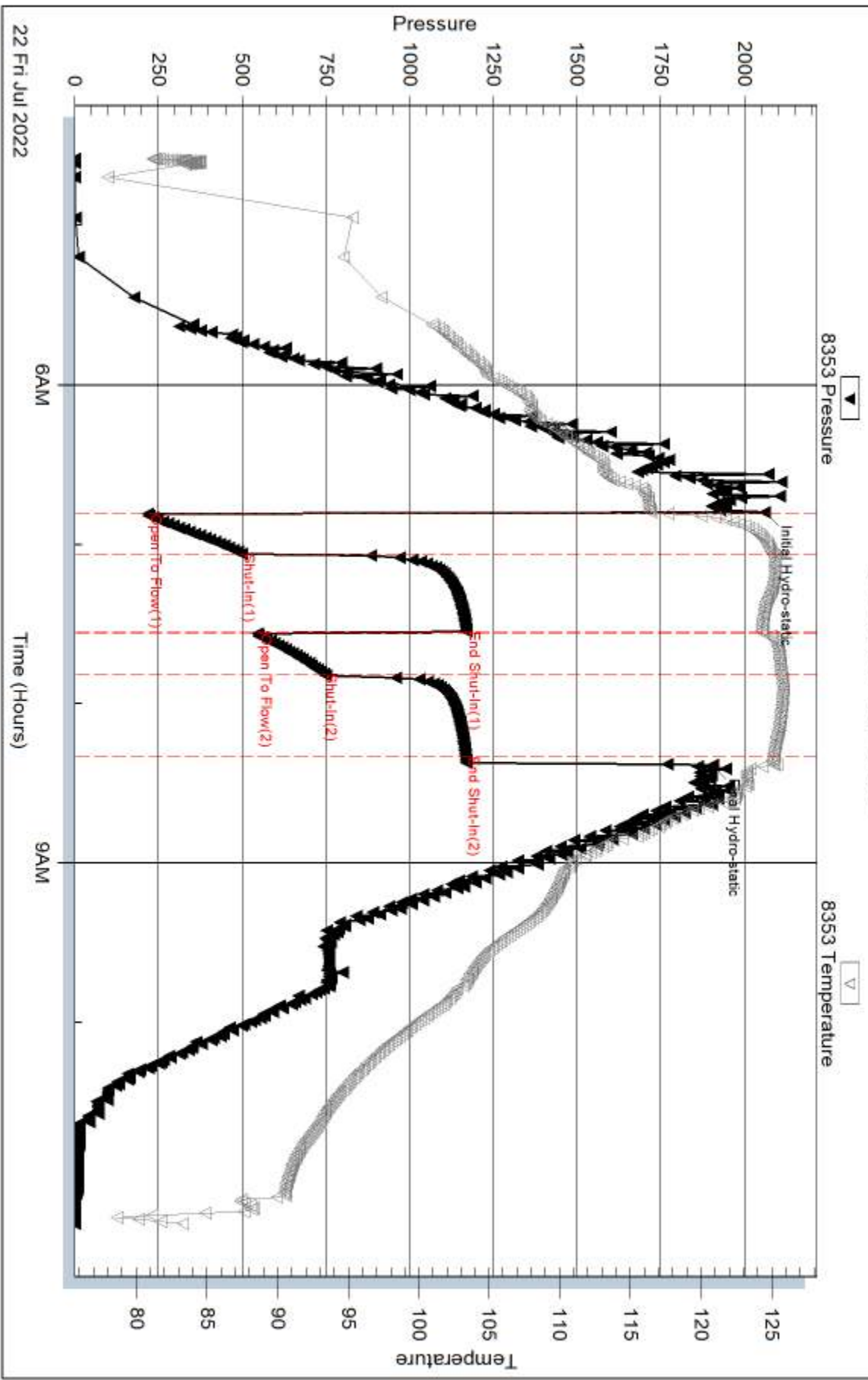
Total Length: 1563.00 ft      Total Volume: 20.312 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time



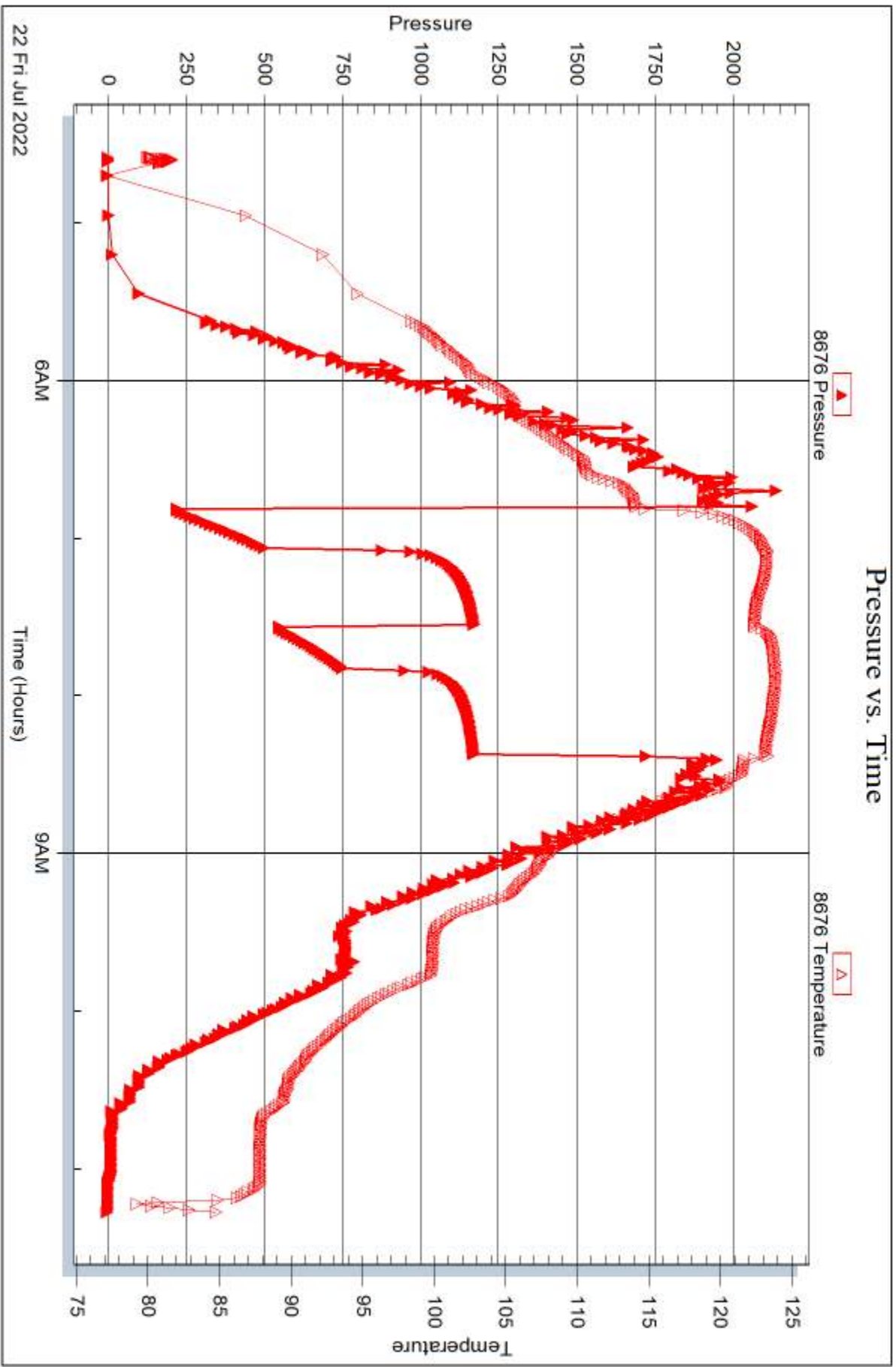


Serial #: 8676

Outside American Warrior Inc

Ward Unit #1-10

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 67273

Printed: 2022.07.22 @ 13:26:37

LOCATION Hogstonks  
FOREMAN Walt Dink

### FIELD TICKET & TREATMENT REPORT CEMENT



DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-25-02		Ward Unit # 1-10	10	125	36W	Larson
CUSTOMER	Winona					
MAILING ADDRESS	American Wellco, Inc					
	3210					
	M.S.					
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			103	Cory D.		
			800-850	Jon Sweet		

JOB TYPE PTA HOLE SIZE 1 1/8 HOLE DEPTH 4815 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_  
 REMARKS: Safety Meetings, Rig up on Duke #5, Plug as ordered

2700' - 50 SKs  
1675' - 100 SKs  
450' - 50 SKs  
40' 10 SKs  
15 SKs in MLT  
30 SKs in R.H  
255 SKs 60lb pump, 4% Cel, 1/4 # Flo Seal  
Work Job  
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	1,500.00	1,500.00
	35	MILEAGE	7.15	250.25
	10.97	Ton Mileage Delivery	1.25	671.41
	255	SKs bito-weight Blend V	16.99	4,080.00
	64	# Flo Seal	3.00	192.00
				6,694.60
				- 1,350.00
				5,344.60
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION Juan Cervantes TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

