

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) (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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CHARGE TO: **AMERICAN WARRIOR INC.**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET **33749**

PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO. 1-23	LEASE LAUGHOFER	COUNTY/PARISH MEADE	STATE Ks	CITY	DATE 8-7-2021	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRIG #5	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 8 5/8" SURFACE	WELL PERMIT NO.		WELL LOCATION S/PURVIS, KS	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 112	100		MI		6.00	600.00
576D		1			PUMP CHARGE - DEEP SURFACE	1		JOB	1751 FT	1500.00	1500.00
221		1			LIQUID KCL	2		GAL		25.00	50.00
281		1			MUD FLUSH	500		GAL		1.50	750.00
400		1			GUIDE SHOE	1		EA	8 5/8"	250.00	250.00
401		1			INSERT FLOAT w/ AUTO FELL	1		EA	"	210.00	210.00
403		1			CEMENT BASKET	0		EA	"	350.00	
409		1			TURBOLIZERS	3		EA	"	110.00	330.00
410		1			TOP PLUG	1		EA	"	130.00	130.00
194		1			PLUG CONTAINER RENTAL	1		JOB		300.00	300.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED **8-7-2021** TIME SIGNED **1530** A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL #1	4120.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	18426.25
WE UNDERSTOOD AND MET YOUR NEEDS?				TAX Meade	22546.25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	1163.63
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					23709.88
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR **WAYNE WILSON** APPROVAL **Robert D Rank**

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 33749

CUSTOMER: AMERICAN WARRIOR INC
WELL: LANGHOFER 1-23
DATE: 8-7-2021
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
330		1				SWEET MILK - DENSITY STANDARD	700	SKS			18.00	12600.00
276		1				FLOCELE	175	UBS			3.00	525.00
290		1				D-ADR	10	GAL			42.00	420.00
581		1				SERVICE CHARGE					2.00	1400.00
583		1				MILEAGE CHARGE					1.00	3481.25

CONTINUATION TOTAL 18426.25

CHART NO.	TIME	RATE (BPM)	WELL NO.	LEASE	JOB TYPE	DESCRIPTION OF OPERATION AND MATERIALS	PUMPS		PRESSURE (PSI)	CASING
							T	C		
AMERICAN WARRIOR TX	1-23		LANGHOFER		8 5/8 SURFACE					ON LOCATION
	1600	0300								
	0200									START 8 5/8" CASING IN WELL
										TD - 1749' SET @ 1748
										TP - 1751' 8 5/8" # 23
										ST - 40'
										TURBOLOGS - 1, 5, 20
										CAT BIT
	0545									DROP BALL - CIRCULATE
	0615	6	12					300		PUMP 500 GAL MUDFLUSH
	0617	6	20					300		PUMP 20 BBS KCL-FLUSH
	0630	6	72					300		MAX CEMENT - 150 SKS SMD @ 11.8 PPG
		5	134							350 SKS SMD @ 12.5 PPG
		4	32							100 SKS SMD @ 13.5 PPG
		4	26					100		100 SKS SMD @ 14.5 PPG
										WASH OUT PUMP LINES
	0745									RELEASE 8 5/8" TOP PLUG
	0750	6 1/2	0							DISPLACE PLUG
		6 1/2	105					500		
	0805	5	109.5					800		PLUG DOWN
	0810							OK		RELEASE PSZ - HELD
										CIRCULATED 50 SKS CEMENT TO PZT
										WASH TRUCK
	0900									JOB COMPLETE THANK YOU
										WAYNE GARDON, KERRY, DUSTY



CHARGE TO: American Warrior Inc.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET **33643**

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City</u>	WELL/PROJECT NO. <u>1-23</u>	LEASE <u>Longhofer</u>	COUNTY/PARISH <u>Meade</u>	STATE <u>KS</u>	CITY	DATE <u>8-23-21</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke</u>	RIG NAME/NO. <u># 5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.		
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String 5 1/2"</u>	WELL PERMIT NO.	WELL LOCATION <u>Plains 6S, 1E, S into</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>		<u>1</u>			MILEAGE <u>Truck # 112</u>			<u>125</u>	<u>mi</u>	<u>6.00</u>	<u>750.00</u>
<u>578</u>		<u>1</u>			<u>pump charge</u>			<u>1</u>	<u>Job</u>	<u>1500.00</u>	<u>1500.00</u>
<u>403</u>		<u>1</u>			<u>CMT Basket</u>	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>EA</u>	<u>275.00</u>	<u>275.00</u>
<u>406</u>		<u>1</u>			<u>Latch Down plug + Baffle</u>	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>EA</u>	<u>250.00</u>	<u>250.00</u>
<u>407</u>		<u>1</u>			<u>Insect Float Shoe w/ auto fill</u>	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>EA</u>	<u>325.00</u>	<u>325.00</u>
<u>409</u>		<u>1</u>			<u>Turbolizers</u>	<u>5 1/2</u>	<u>in</u>	<u>10</u>	<u>EA</u>	<u>90.00</u>	<u>900.00</u>

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED 8-24-21 TIME SIGNED 8:15 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	<u>1</u>	<u>4000.00</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					<u>2</u>	<u>8162.50</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				Total		<u>12162.50</u>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>Meade</u>		<u>598.24</u>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL		<u>12760.74</u>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Proctor Shears APPROVAL Calvin D Ronda

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-23-21

PAGE NO. 1

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		LEASE	JOB TYPE	TICKET NO.	DESCRIPTION OF OPERATION AND MATERIALS
				T	C				
8-23	19:00					1-23	Longhofer	33643	
									ON Location 5 1/2" 15.5 lb/ft
									RTD=6300' LTD=6296'
									TP=6273' SJ=4250'
									Turbo=1, 3, 6, 9, 11, 15, 18, 21, 24, 27
									Basket= 18
8-24	00:00								Start 5 1/2" 15.5 lb/ft Csg in well
	05:00								Drop ball - Circulate
	06:10	4	12		✓				300 Pump 500 gal Mud Flush
	06:25	4	20		✓				300 Pump 20 bbl KCL Spacer
	06:25	1	7-5"						75 Plug RH, MH (30, 20)
	06:35	4	45"		✓				200 Mix 175 sks of STD at 14.9 ppg
	07:00								Wash pump lines
									Drop latch top plug
	07:05	6 1/2	0		✓				200 Start displacement
		6 1/2	117		✓				300 - lift pressure
		6 1/2	147		✓				900 - max lift pressure
	07:25		148.25		✓				1800 land latch down plug
									re release PSI "Hold"
	07:30								Wash up truck #112
	08:00								Job Complete
									225 sks std - 2% gel, 10% salt,
									3/4% Halad 322, 1/4 lb Floccul
									Thanks,
									Preston, Gideon, Kirby

Geological Report

American Warrior, Inc.

Langhofer #1-23

1849' FSL & 1382' FWL

Sec. 23, T33s, R30w

Meade County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Langhofer #1-23
1849' FSL & 1382' FWL
Sec. 23, T33s, R30w
Meade County, Kansas
API # 15-119-21459-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: August 5, 2021

Completion Date: August 23, 2021

Elevation 2709' G.L.
2720' K.B.

Directions: From the East side of Plains, KS at intersection of Hwy 54 and Road 5. Go South 6 miles on Road 5 to V Road. Go East 1 mile on V Road and ingress South into.

Casing: 1748' 8 5/8" #23 Surface Casing
6261' 5 1/2" #15.5 Production Casing

Samples: 4350' to RTD 10' Wet & Dry

Drilling Time: 4200' to RTD

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

Drillstem Tests: Two-Trilobite Testing "Brandon Turley"

Problems: Rig broke down several times.

Formation Tops
Langhofer #1-23
Sec. 23, T33s, R30w
1849' FSL & 1382' FWL

Heebner	4421' -1701
Lansing	4587' -1867
Marmaton	5202' -2482
Morrow	5724' -3004
St. Gen	6084' -3364
RTD	6300' -3580
LTD	6296' -3576

Sample Zone Descriptions

Novinger (5267',-2547): Covered in DST #1
 Limestone Tan. Sub crystalline. Very good oomoldic and oolycastic porosity. Very light oil with no visible shows. Very good florescence with bleeding gas and oil from rocks. Strong odor. 8700 unit gas kick.

Morrow (5810',-3090): Covered in DST #2
 Sandstone Gray. Medium grain. Glauconitic. Well rounded and well sorted. Poor intercrystalline porosity. Fair stain. Fair saturation. Show of free oil when broken. Dull to fair florescence. Poor to fair odor. 300 unit gas kick.

Chester (6066',-3346): Not Tested
 Sandstone off white. Medium to coarse grain. Well rounded and well sorted. Fair intercrystalline porosity. Fair dead oil stain. Poor saturation. Very slight show of free oil when broken. No odor. Unknown gas kick.

Drill Stem Tests
Trilobite Testing
“Brandon Turley”

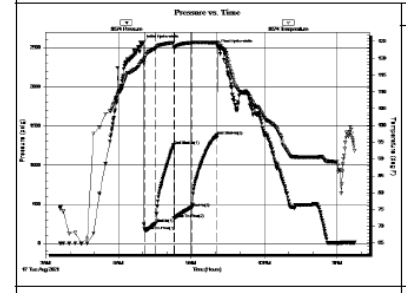
DST #1

Novinger

Interval (5224' – 5282') Anchor 58'

IHP - 2563 #
 IFP - 30" – BOB in 30 seconds 164-261 #
 ISI - 45" – BOB in 3 min 1254 #
 FFP - 45" – BOB in 1 min GTS 319-463 #
 FSIP - 60" – BOB in 2 min 1382 #
 FHP - 2504 #
 BHT - 124° F

Recovery: 83' OCM (10% Oil)
 441' GOCWM (20% Oil, 10% Water)
 128' GOCMW (10% Oil, 50% Water)
 128' OCMW (5% Oil, 85% Water)
 126' MCW



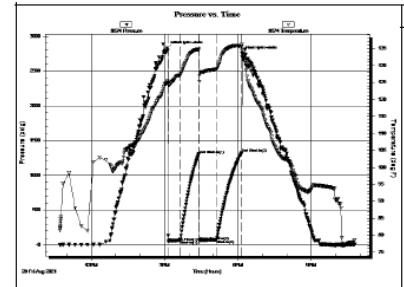
DST #2

Morrow

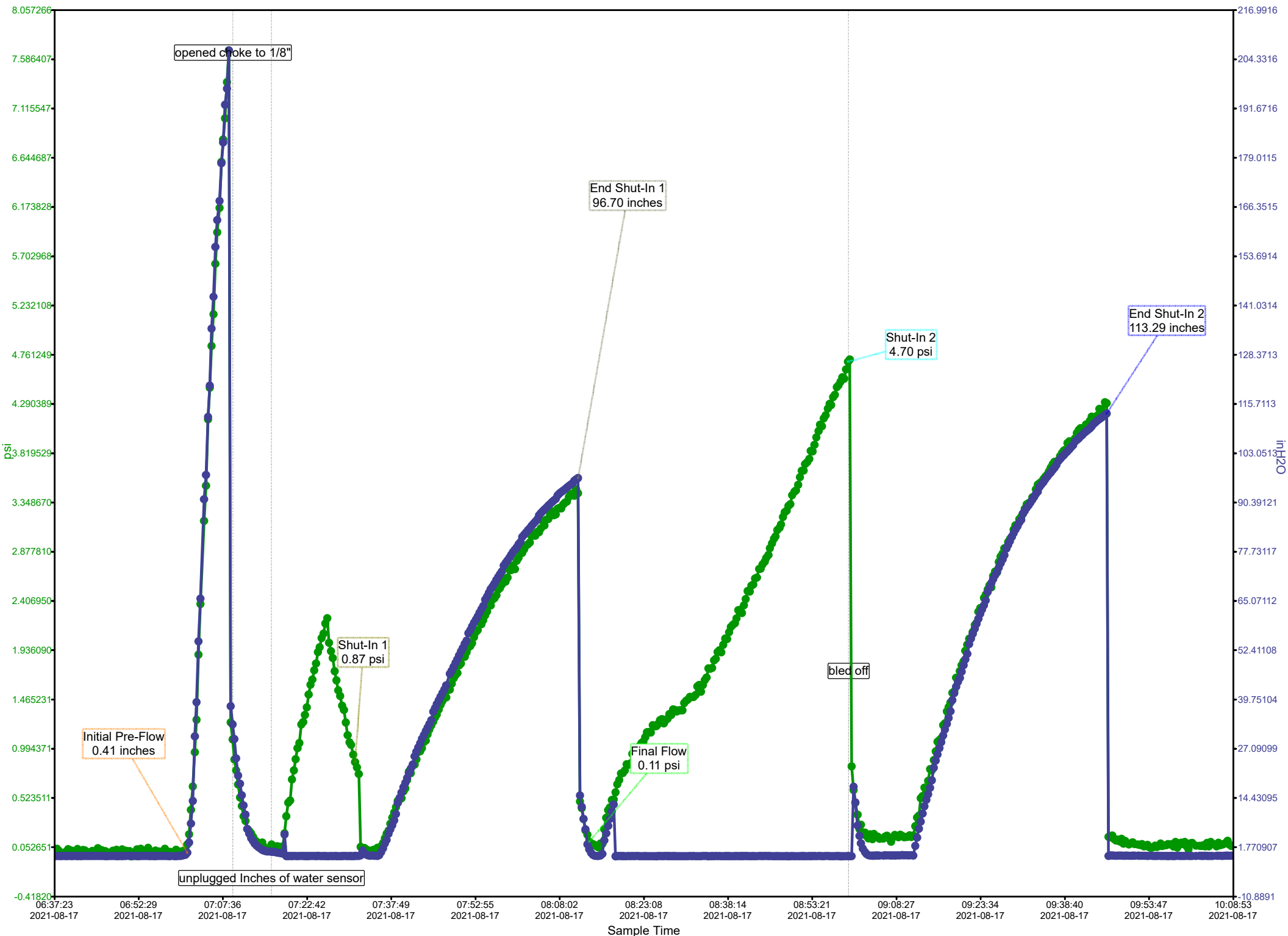
Interval (5715' – 5840') Anchor 125'

IHP - 2826 #
 IFP - 30" -- BOB in 1 min 43-67 #
 ISI - 45" -- No Return 1302 #
 FFP - 45" -- BOB GTS in 2 min 62-76 #
 FSIP - 60" -- No Return 1319 #
 FHP - 2748 #
 BHT - 135° F

Recovery: 132' Mud



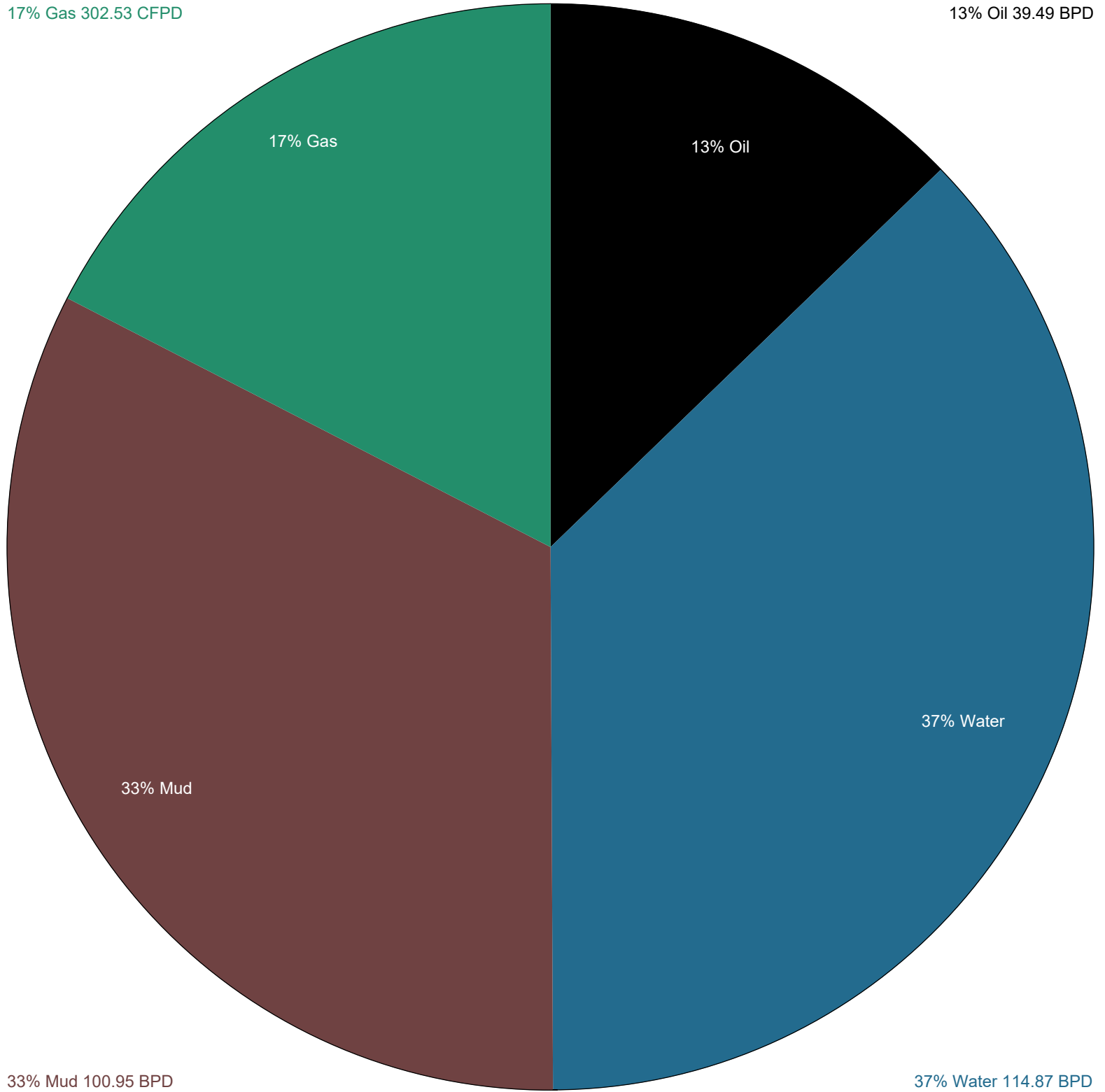
American Warrior, Inc - Langhofer #1-23 - DST #1



Calculated Recovery Analysis - American Warrior, Inc - Langhofer #1-23 - DST #1

17% Gas 302.53 CFPD

13% Oil 39.49 BPD



13% Oil

17% Gas

37% Water

33% Mud

33% Mud 100.95 BPD

37% Water 114.87 BPD



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

23-33-30 Meade, Ks
Langhofer 1-23
Job Ticket: 67470 **DST#: 1**
Test Start: 2021.08.17 @ 03:35:52

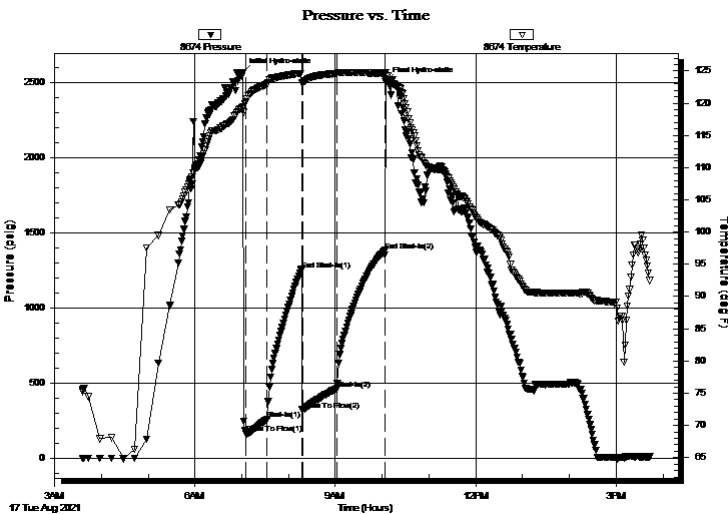
GENERAL INFORMATION:

Formation: **Novingor**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:04:52
Time Test Ended: 15:42:52
Interval: **5224.00 ft (KB) To 5282.00 ft (KB) (TVD)**
Total Depth: 5282.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2720.00 ft (KB)
2710.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 463.50 psig @ 5225.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.08.17 End Date: 2021.08.17 Last Calib.: 2021.08.17
Start Time: 03:35:57 End Time: 15:42:52 Time On Btm: 2021.08.17 @ 07:01:22
Time Off Btm: 2021.08.17 @ 10:04:22

TEST COMMENT: IF: BOB in 30 sec. Gas to surface in 17 min.
IS: BOB in 3 min. 96
FF: BOB in 1 min.
FS: BOB in 2 min. 113 30-45-45-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2563.03	119.41	Initial Hydro-static
4	164.18	120.11	Open To Flow (1)
31	261.43	122.97	Shut-In(1)
75	1254.70	124.64	End Shut-In(1)
77	319.93	123.10	Open To Flow (2)
121	463.50	124.62	Shut-In(2)
182	1382.53	124.62	End Shut-In(2)
183	2504.73	124.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 95%w 5%m	1.77
128.00	ocmw 5%o 85%w 10%m	1.80
128.00	gocmw 20%g 10%o 50%w 20%m	1.80
441.00	gocw m 30%g 20%o 10%w 40%m	6.19
83.00	ocm 10%o 90%m	1.16

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

23-33-30 Meade, Ks
Langhofer 1-23
Job Ticket: 67470 **DST#: 1**
Test Start: 2021.08.17 @ 03:35:52

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 11000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2200.00 ppm		
Filter Cake: 1.00 inches		

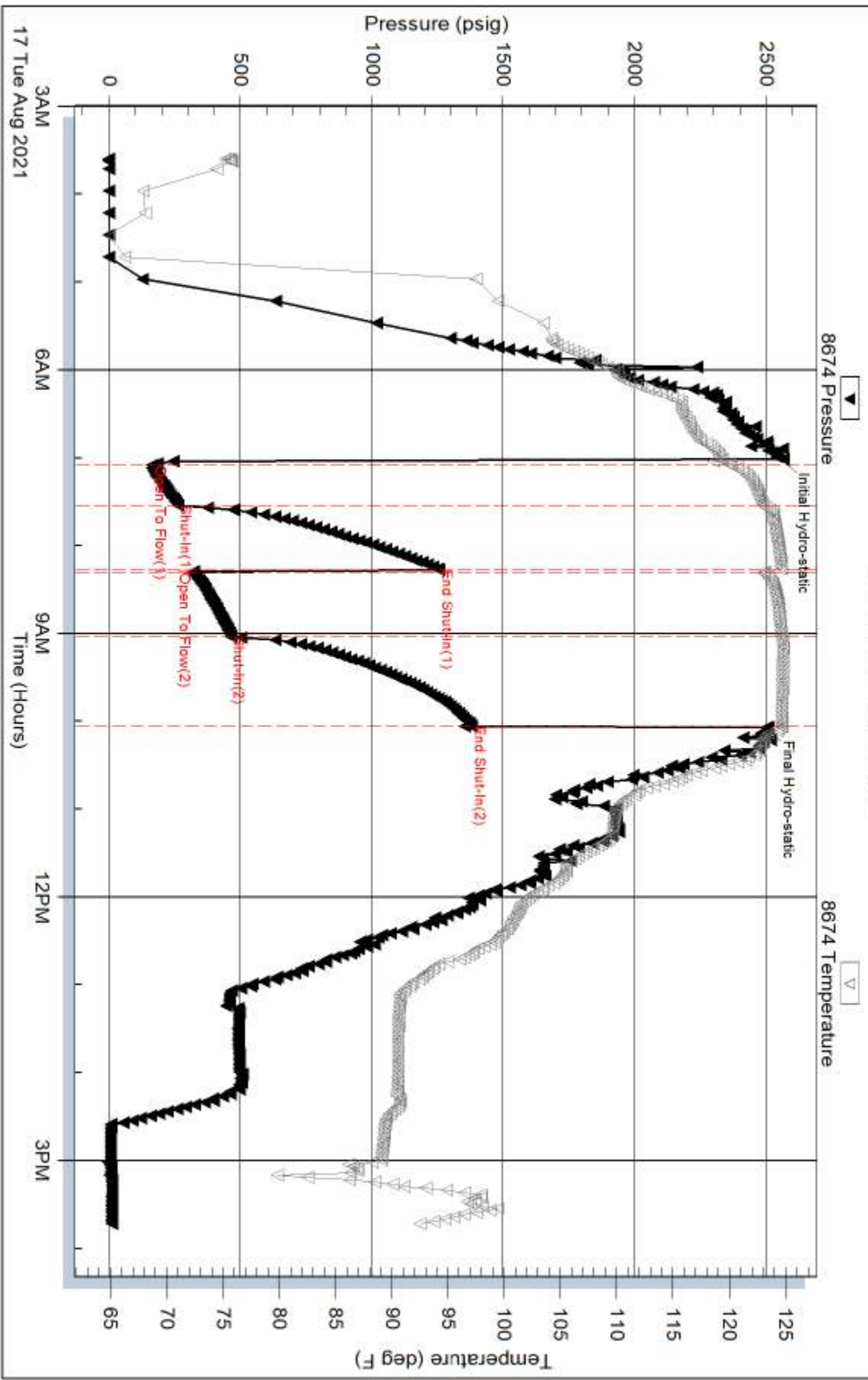
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 95%w 5%m	1.767
128.00	ocmw 5%o 85%w 10%m	1.796
128.00	gocmw 20%g 10%o 50%w 20%m	1.796
441.00	gocw m 30%g 20%o 10%w 40%m	6.186
83.00	ocm 10%o 90%m	1.164

Total Length: 906.00 ft Total Volume: 12.709 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .46@86=11000

Pressure vs. Time



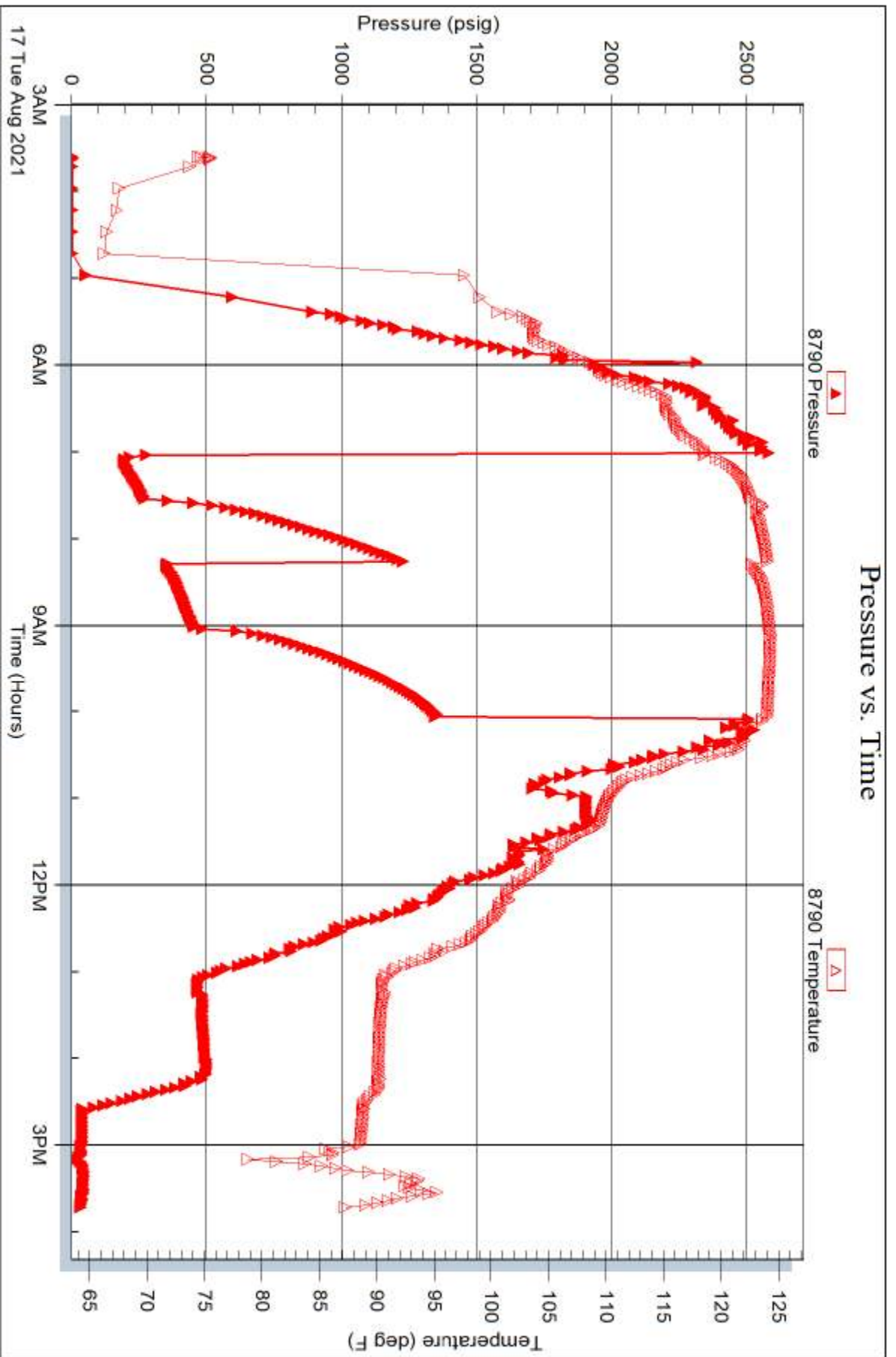
Serial #: 8790

Inside

American Warrior Inc

Langhofer 1-23

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67470

Printed: 2021.08.17 @ 16:21:06



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Langhofer #1-23

23-33s-30w Meade,KS

Start Date: 2021.08.17 @ 03:35:52

End Date: 2021.08.17 @ 15:42:52

Job Ticket #: 67470 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.23 @ 16:27:52

American Warrior Inc
23-33s-30w Meade,KS
Langhofer #1-23
DST # 1
Novinger
2021.08.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

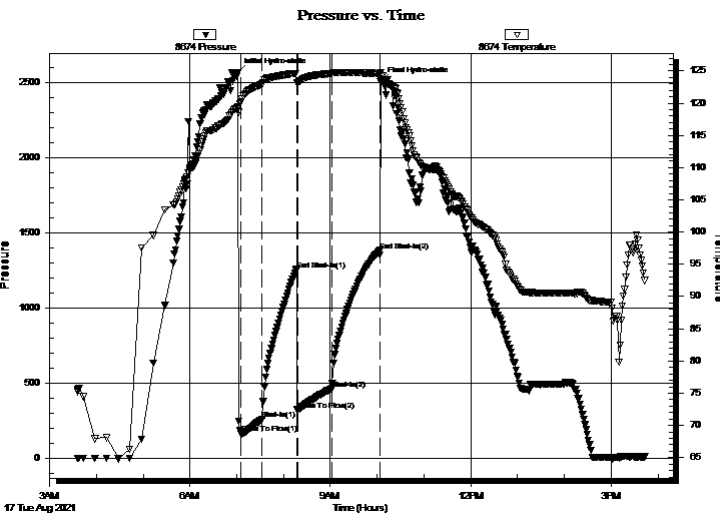
23-33s-30w Meade, KS
Langhofer #1-23
 Job Ticket: 67470 **DST#: 1**
 Test Start: 2021.08.17 @ 03:35:52

GENERAL INFORMATION:

Formation: **Novinger**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:04:52
 Time Test Ended: 15:42:52
 Interval: **5224.00 ft (KB) To 5282.00 ft (KB) (TVD)**
 Total Depth: 5282.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2720.00 ft (KB)
 2710.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 463.50 psig @ 5225.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.08.17 End Date: 2021.08.17 Last Calib.: 2021.08.17
 Start Time: 03:35:57 End Time: 15:42:52 Time On Btm: 2021.08.17 @ 07:01:22
 Time Off Btm: 2021.08.17 @ 10:04:22

TEST COMMENT: IF: BOB in 30 sec. Gas to surface in 17 min.
 IS: BOB in 3 min. 96"
 FF: BOB in 1 min.
 FS: BOB in 2 min. 113 30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2563.03	119.41	Initial Hydro-static
4	164.18	120.11	Open To Flow (1)
31	261.43	122.97	Shut-In(1)
75	1254.70	124.64	End Shut-In(1)
77	319.93	123.10	Open To Flow (2)
121	463.50	124.62	Shut-In(2)
182	1382.53	124.62	End Shut-In(2)
183	2504.73	124.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 95%w 5%m	1.77
128.00	ocmw 5%o 85%w 10%m	1.80
128.00	gocmw 20%g 10%o 50%w 20%m	1.80
441.00	gocw m 30%g 20%o 10%w 40%m	6.19
83.00	ocm 10%o 90%m	1.16

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

23-33s-30w Meade, KS
Langhofer #1-23
Job Ticket: 67470 **DST#: 1**
Test Start: 2021.08.17 @ 03:35:52

Tool Information

Drill Pipe:	Length: 5204.00 ft	Diameter: 3.80 inches	Volume: 73.00 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 73.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	5224.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			5195.00	
Shut In Tool	5.00			5200.00	
Hydraulic tool	5.00			5205.00	
Jars	5.00			5210.00	
EM Tool	3.00			5213.00	
Safety Joint	2.00			5215.00	
Packer	5.00			5220.00	30.00 Bottom Of Top Packer
Packer	4.00			5224.00	
Stubb	1.00			5225.00	
Recorder	0.00	8790	Inside	5225.00	
Recorder	0.00	8674	Outside	5225.00	
Perforations	20.00			5245.00	
Change Over Sub	1.00			5246.00	
Drill Pipe	32.00			5278.00	
Change Over Sub	1.00			5279.00	
Bullnose	3.00			5282.00	58.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

23-33s-30w Meade,KS
Langhofer #1-23
Job Ticket: 67470 **DST#: 1**
Test Start: 2021.08.17 @ 03:35:52

Mud and Cushion Information

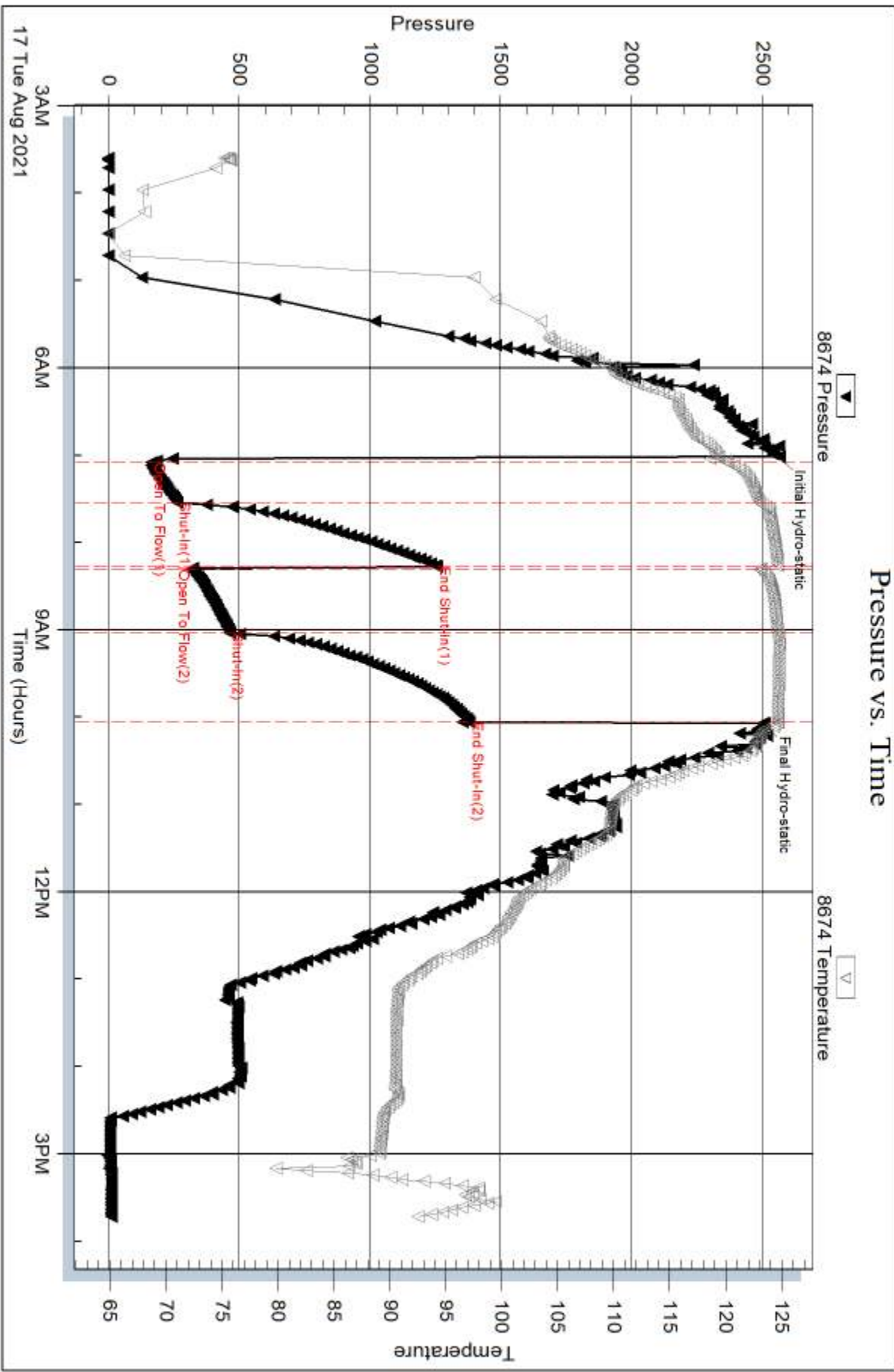
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 11000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 95%w 5%m	1.767
128.00	ocmw 5%o 85%w 10%m	1.796
128.00	gocmw 20%g 10%o 50%w 20%m	1.796
441.00	gocw m 30%g 20%o 10%w 40%m	6.186
83.00	ocm 10%o 90%m	1.164

Total Length: 906.00 ft Total Volume: 12.709 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .46@86=11000



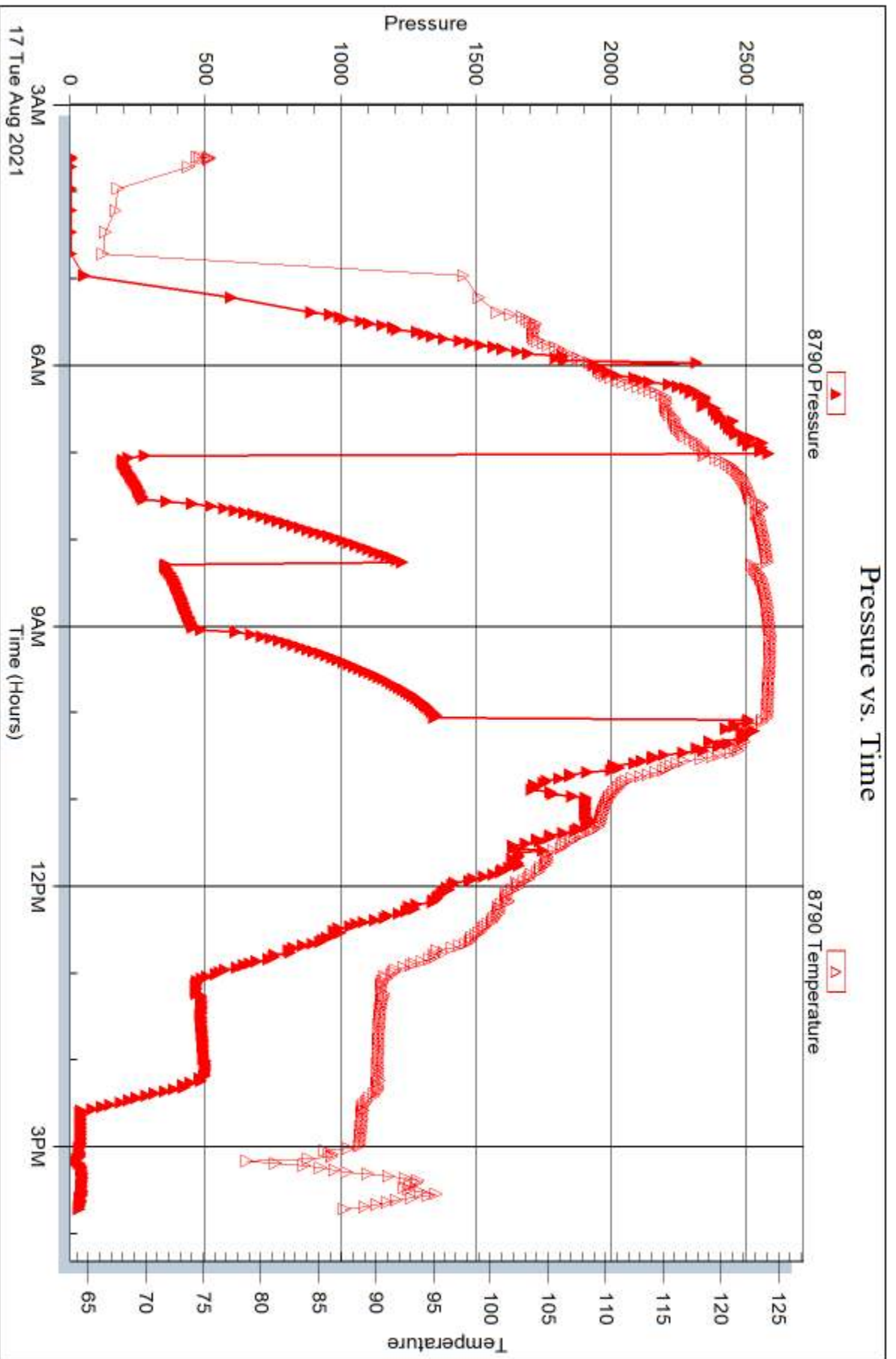
Serial #: 8790

Inside

American Warrior Inc

Langhofer #1-23

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67470

Printed: 2021.08.23 @ 16:27:53



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Langhofer #1-23

23-33s-30w Meade,KS

Start Date: 2021.08.20 @ 10:43:18

End Date: 2021.08.20 @ 22:46:48

Job Ticket #: 67471 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.23 @ 16:22:56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

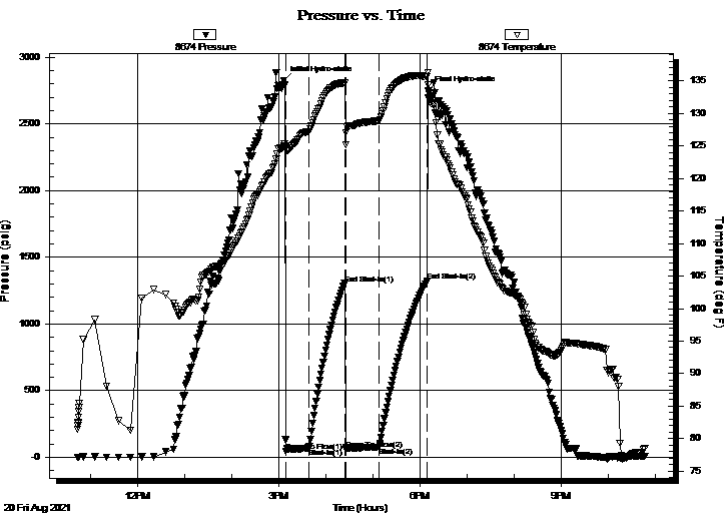
23-33s-30w Meade, KS
Langhofer #1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:08:48
Time Test Ended: 22:46:48
Interval: **5715.00 ft (KB) To 5840.00 ft (KB) (TVD)**
Total Depth: 5840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2720.00 ft (KB)
2710.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 76.11 psig @ 5716.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20
Start Time: 10:43:23 End Time: 22:46:48 Time On Btm: 2021.08.20 @ 15:05:48
Time Off Btm: 2021.08.20 @ 18:10:18

TEST COMMENT: IF: BOB in 1 min. 244"
IS: No return.
FF: BOB Gas to surface in 2 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2826.33	125.09	Initial Hydro-static
3	43.87	124.57	Open To Flow (1)
32	67.02	127.24	Shut-In(1)
78	1302.28	134.68	End Shut-In(1)
80	62.24	127.06	Open To Flow (2)
122	76.11	128.87	Shut-In(2)
183	1319.81	135.67	End Shut-In(2)
185	2748.58	134.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
132.00	mud 100%m	0.74

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.79	9.19
Last Gas Rate	0.13	17.31	11.13
Max. Gas Rate	0.13	17.31	11.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

23-33s-30w Meade,KS
Langhofer #1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

Tool Information

Drill Pipe:	Length: 5582.00 ft	Diameter: 3.80 inches	Volume: 78.30 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 78.90 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	95000.00 lb
Depth to Top Packer:	5715.00 ft			Final	95000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	93.00 ft				
Tool Length:	123.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			5686.00	
Shut In Tool	5.00			5691.00	
Hydraulic tool	5.00			5696.00	
Jars	5.00			5701.00	
EM Tool	3.00			5704.00	
Safety Joint	2.00			5706.00	
Packer	5.00			5711.00	30.00 Bottom Of Top Packer
Packer	4.00			5715.00	
Stubb	1.00			5716.00	
Recorder	0.00	8790	Inside	5716.00	
Recorder	0.00	8674	Outside	5716.00	
Perforations	24.00			5740.00	
Change Over Sub	1.00			5741.00	
Drill Pipe	63.00			5804.00	
Change Over Sub	1.00			5805.00	
Bullnose	3.00			5808.00	93.00 Bottom Packers & Anchor
Total Tool Length:	123.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

23-33s-30w Meade, KS
Langhofer #1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1950.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
132.00	mud 100%m	0.740

Total Length: 132.00 ft Total Volume: 0.740 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

23-33s-30w Meade, KS
Langhofer #1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

Gas Rates Information

Temperature: 130 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

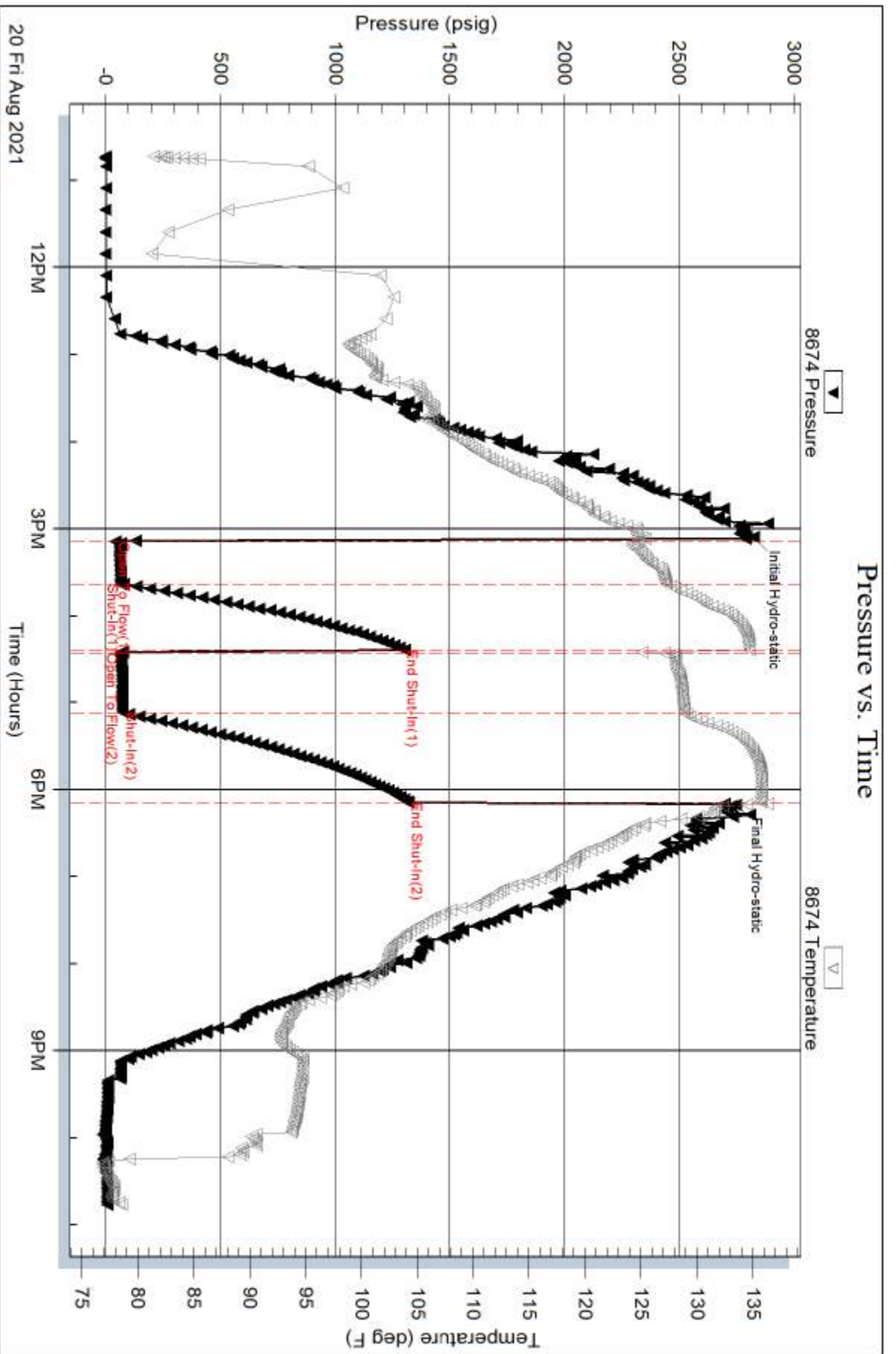
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
-	15	0.13	11.79	9.19
2	25	0.13	13.88	9.93
2	35	0.13	15.81	10.60
2	45	0.13	17.31	11.13

Serial #: 8674

Outside American Warrior Inc

Langhofer #1-23

DST Test Number: 2



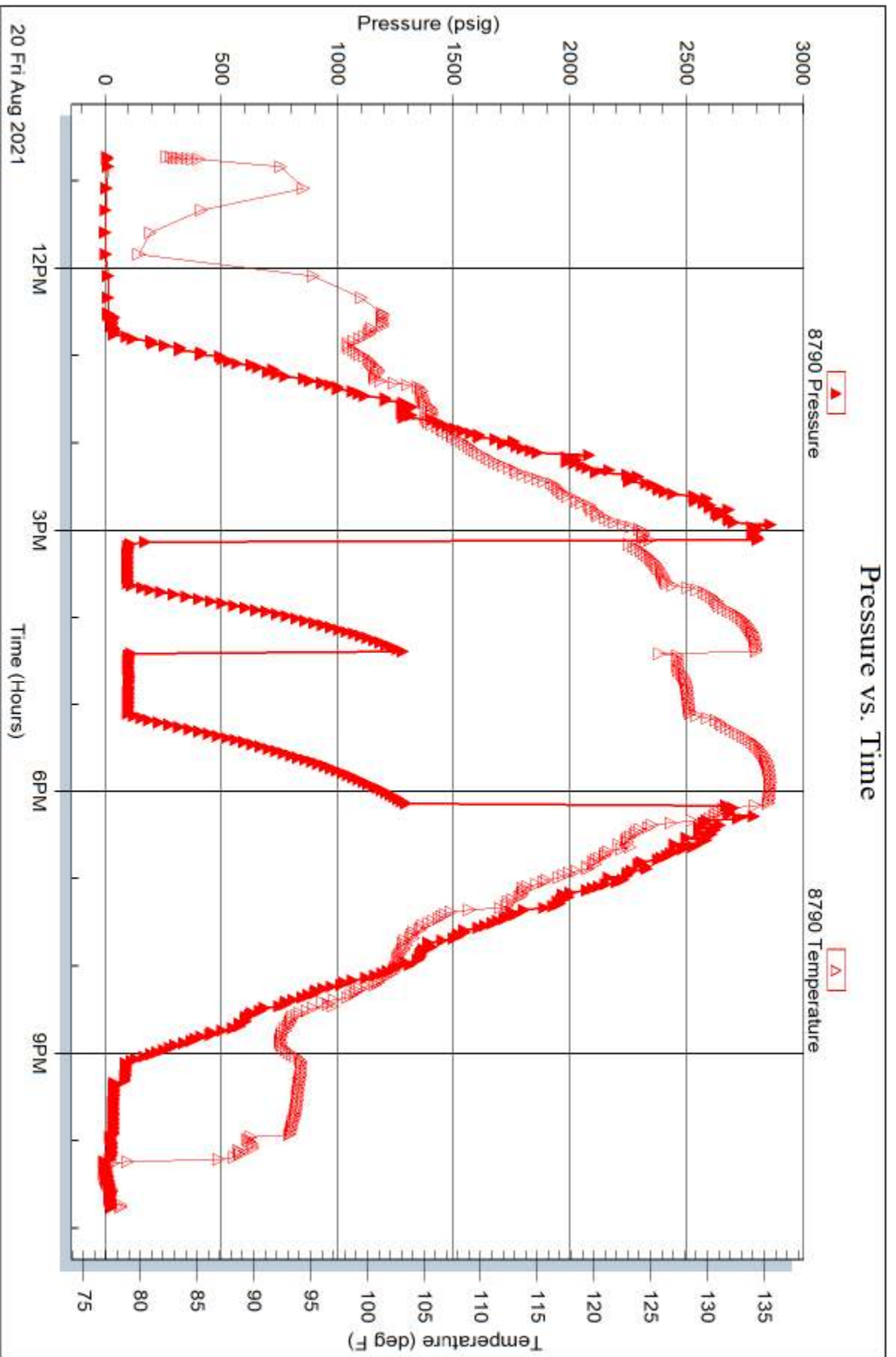
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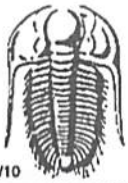
Inside

American Warrior Inc

Langhofer #1-23

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67470

Well Name & No. Langhofer 1-23 Test No. 1 Date 8-16-21
 Company American Warrior Inc Elevation 2720 KB 2710 GL
 Address P.O. Box 399 Garden city, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 5
 Location: Sec. 23 Twp 33 Rge. 30 Co. Meade State KS

Interval Tested 5224 5282 Zone Tested Nowinger
 Anchor Length 58 Drill Pipe Run 5204 Mud Wt. 9.2
 Top Packer Depth 5219 Drill Collars Run — Vis 47
 Bottom Packer Depth 5224 Wt. Pipe Run — WL 9.2
 Total Depth 5282 Chlorides 2200 ppm System LCM 2
 Blow Description IF! BoB in 30 sec, 695 to surface in 17 mins.
IS! BoB in 3 min, 96"
FF! BoB in 1 min.
FF! BoB in 2 mins.

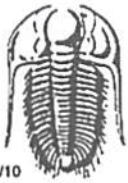
Rec	Feet of	%gas	%oil	%water	%mud
<u>83</u>	<u>0cm</u>	<u>10</u>		<u>90</u>	
<u>544</u>	<u>90cwm</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>40</u>
<u>128</u>	<u>90cmw</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>20</u>
<u>128</u>	<u>0cmw</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>126</u>	<u>mcw</u>		<u>95</u>	<u>5</u>	

Rec Total 1091 BHT 124 Gravity — API RW 40.46 @ 86 °F Chlorides 1000 ppm

(A) Initial Hydrostatic <u>2563</u>	<input checked="" type="checkbox"/> Test <u>1550</u>	T-On Location <u>23:15</u>
(B) First Initial Flow <u>164</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>3:35</u>
(C) First Final Flow <u>261</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>7:01</u>
(D) Initial Shut-In <u>1254</u>	<input checked="" type="checkbox"/> Circ Sub <u>50.00</u>	T-Pulled <u>10:01</u>
(E) Second Initial Flow <u>319</u>	<input checked="" type="checkbox"/> Hourly Standby <u>5.5-550.00</u>	T-Out <u>15:44</u>
(F) Second Final Flow <u>463</u>	<input checked="" type="checkbox"/> Mileage <u>234 - 292.50</u>	Comments _____
(G) Final Shut-In <u>1382</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2504</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input checked="" type="checkbox"/> Ruined Packer <u>335</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>685</u>
	<input type="checkbox"/> Accessibility _____	Total <u>3452.50</u>
	Sub Total <u>2767.50</u>	MP/DST Disc't _____

Approved By _____ Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67471

Well Name & No. Langhofer 1-23 Test No. 2 Date 8-20-21
 Company American Warrior Inc Elevation 2720 KB 2710 GL
 Address _____
 Co. Rep / Geo. Kevin Timson Rig Duke 5
 Location: Sec. 23 Twp 33 Rge. 30 Co. Merde State KS

Interval Tested 5715 5840 Zone Tested Marrow
 Anchor Length _____ 125 Drill Pipe Run 5582 Mud Wt. 9.2
 Top Packer Depth _____ 570 Drill Collars Run -122 Vis 48
 Bottom Packer Depth _____ 5815 Wt. Pipe Run _____ WL 7.6
 Total Depth _____ 5840 Chlorides 1950 ppm System LCM 2

Blow Description #F: BOB in 1 min. 244"
IS: No return,
FF: BOB. Gas to surface in 2 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>132</u>	<u>Mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

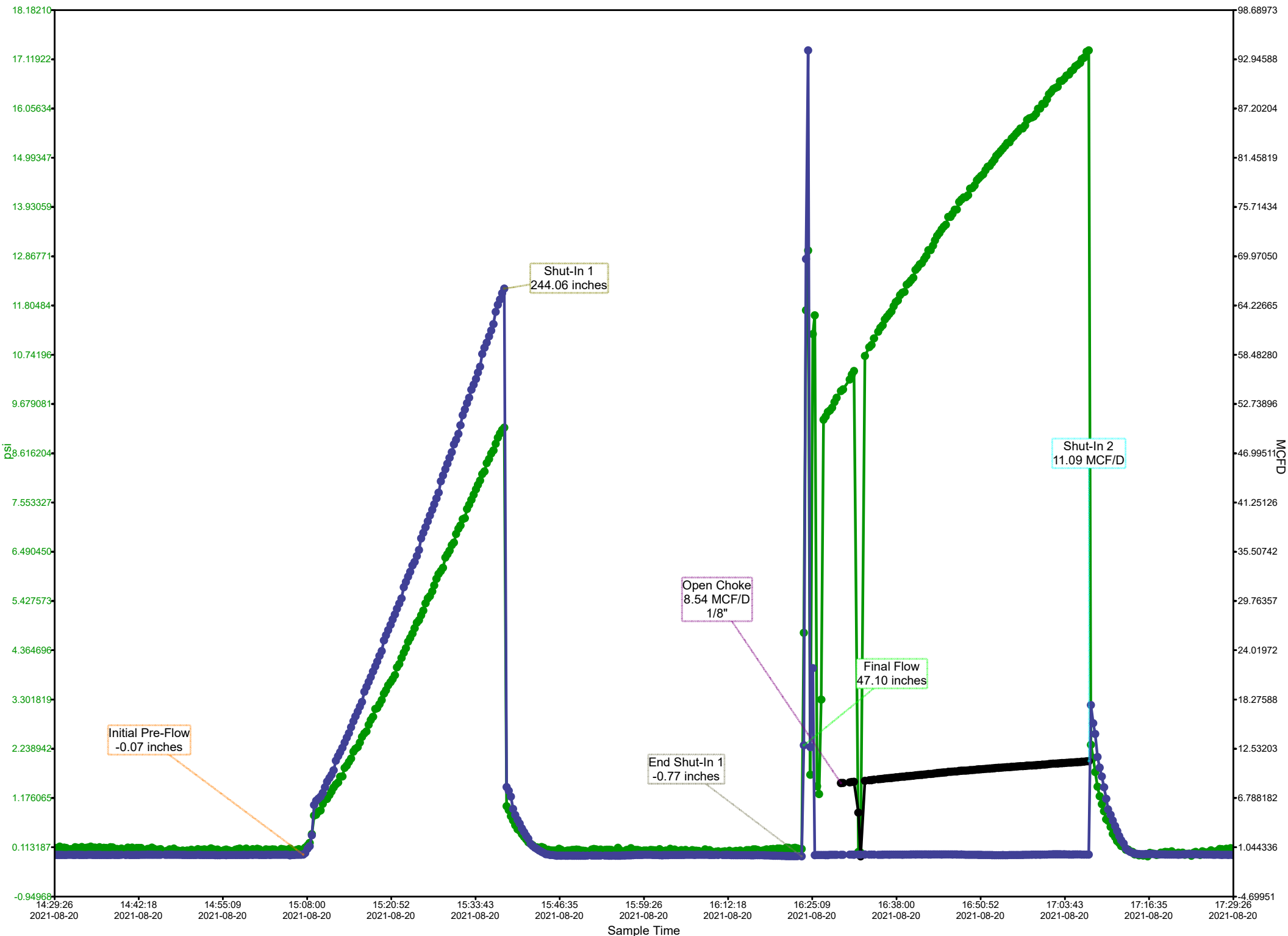
Rec Total 132 BHT 135 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2826 Test 1550 T-On Location 8:05
 (B) First Initial Flow 43 Jars 250 T-Started 10:43
 (C) First Final Flow 67 Safety Joint 75 T-Open 15:08
 (D) Initial Shut-In 1302 Circ Sub N/C T-Pulled 18:08
 (E) Second Initial Flow 62 Hourly Standby 3.75h 375 T-Out 22:45
 (F) Second Final Flow 76 Mileage 234-x2 292.50 Comments logged 8-22-21
 (G) Final Shut-In 1319 Sampler _____ 292.50 at 14:00
 (H) Final Hydrostatic 2748 Straddle _____ 695 sample sent 80
 Shale Packer _____ EM Tool 350
 Extra Packer _____ Ruined Shale Packer _____
 Extra Recorder _____ Ruined Packer _____
 Day Standby x2 2d 16.25h Extra Copies _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 2835.00
 Sub Total 1341.67+800+350
 Total 5406.67
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

American Warrior, Inc - Langhofer #1-23 - DST #2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

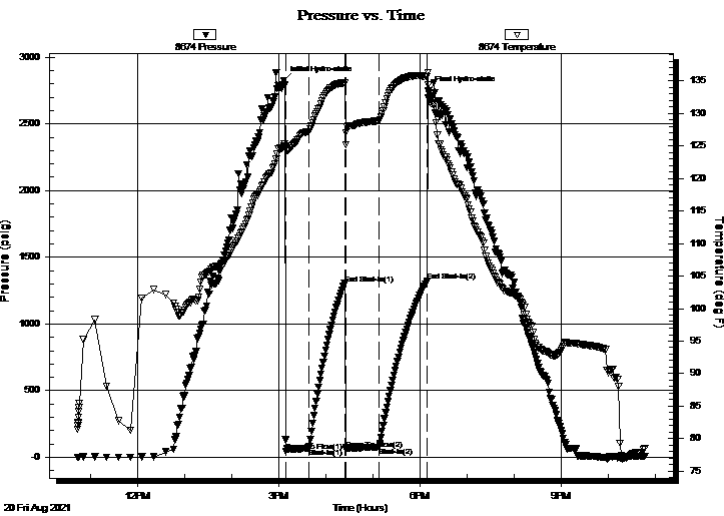
23-33-30 Meade, Ks
Langhofer 1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:08:48
Time Test Ended: 22:46:48
Interval: **5715.00 ft (KB) To 5840.00 ft (KB) (TVD)**
Total Depth: 5840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2720.00 ft (KB)
2710.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 76.11 psig @ 5716.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20
Start Time: 10:43:23 End Time: 22:46:48 Time On Btm: 2021.08.20 @ 15:05:48
Time Off Btm: 2021.08.20 @ 18:10:18

TEST COMMENT: IF: BOB in 1 min. 244"
IS: No return.
FF: BOB Gas to surface in 2 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2826.33	125.09	Initial Hydro-static
3	43.87	124.57	Open To Flow (1)
32	67.02	127.24	Shut-In(1)
78	1302.28	134.68	End Shut-In(1)
80	62.24	127.06	Open To Flow (2)
122	76.11	128.87	Shut-In(2)
183	1319.81	135.67	End Shut-In(2)
185	2748.58	134.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
132.00	mud 100%m	0.74
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.79	9.80
Last Gas Rate	0.13	15.81	10.60
Max. Gas Rate	0.13	15.81	10.60



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

23-33-30 Meade, Ks
Langhofer 1-23
Job Ticket: 67471 **DST#: 2**
Test Start: 2021.08.20 @ 10:43:18

Mud and Cushion Information

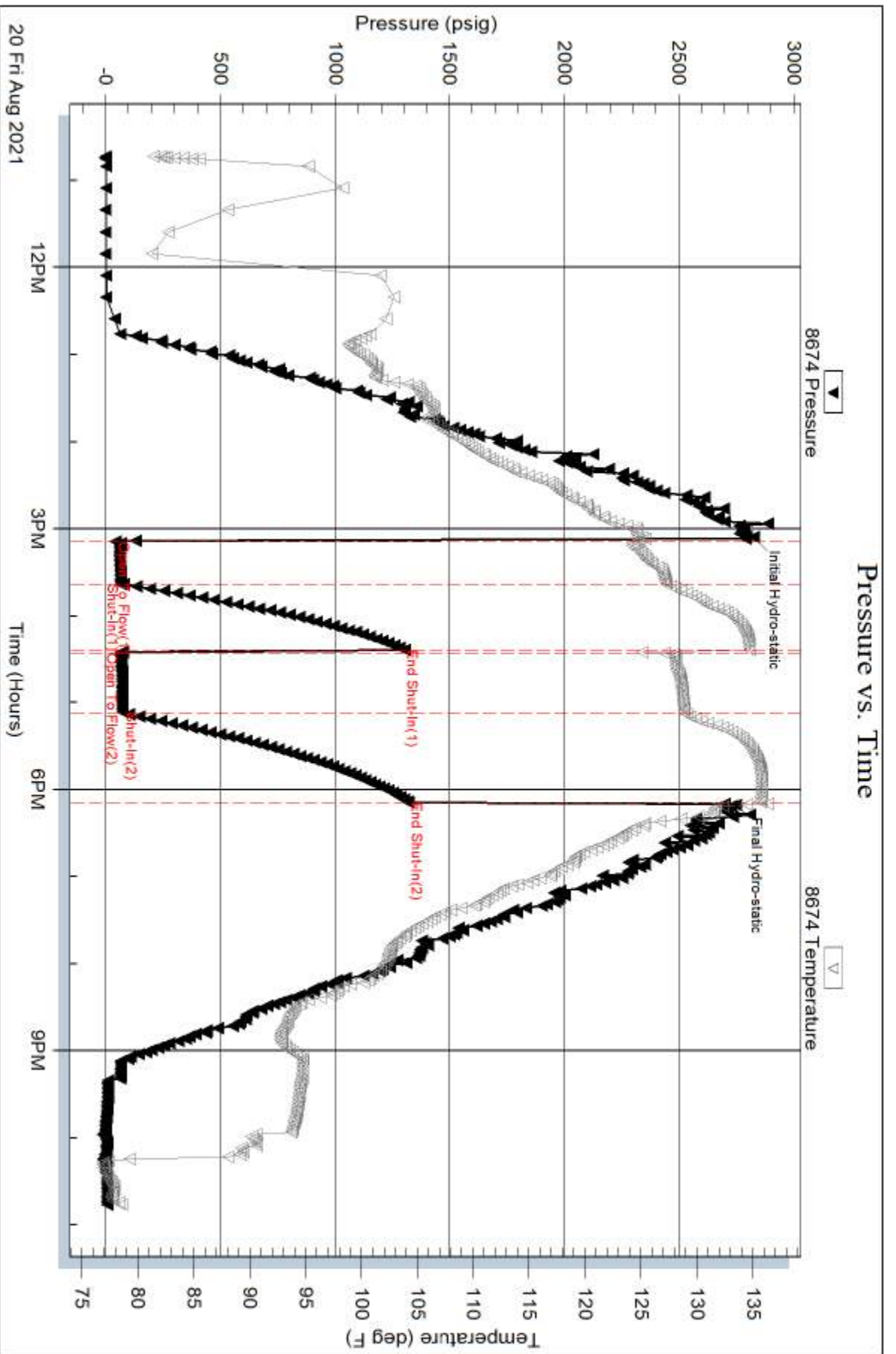
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1950.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
132.00	mud 100%m	0.740
0.00	GTS	0.000

Total Length: 132.00 ft Total Volume: 0.740 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



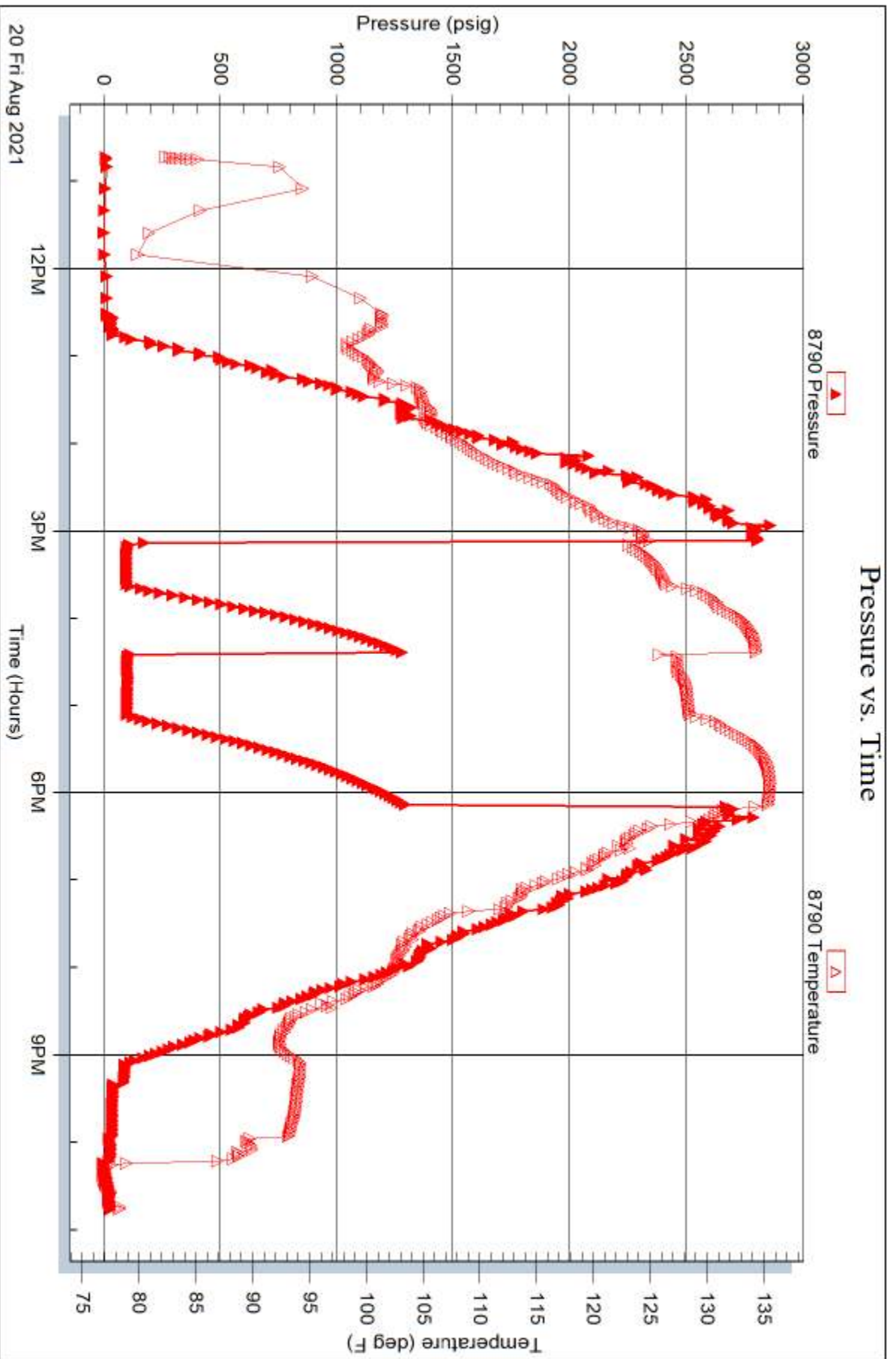
Serial #: 8790

Inside

American Warrior Inc

Langhofer 1-23

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67471

Printed: 2021.08.21 @ 03:09:44