

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](mailto: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	HUBIN 3-10
Doc ID	1656926

Tops

Name	Top	Datum
Anhydrite	1500	850
Base	1536	814
Heebner	3887	-1537
Lansing	3949	-1599
Bkc	4330	-1980
Marmaton	4355	-2005
Fort Scott	4493	-2143
Cherokee	4517	-2167
Miss Warsaw	4586	-2236
RTD	4725	-2375
LTD	4652	-2302



# **Geological Report**

**American Warrior, Inc.**

**Hubin #3-10**

**1333' FSL & 1692' FWL**

**Sec. 10, T23s, R23w**

**Hodgeman County, Kansas**



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Hubin #3-10  
1333' FSL & 1692' FWL  
Sec. 10, T23s, R23w  
Hodgeman County, Kansas  
API # 15-083-22010-0000

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Kevin Timson

Spud Date: June 27, 2022

Completion Date: July 3, 2022

Elevation 2337' G.L.  
2350' K.B.

Directions: From the south side of Jetmore, KS. Go East .7 miles on L Rd. Go 1 miles South on 219 Rd. Go 2 miles East on K Rd. North into on West side of tank batteries.

Casing: 311' 8 5/8" #24 Surface Casing  
1587' Port Collar  
4718' 5 1/2" #15.5 Production Casing

Samples: 4300' to RTD 10' Wet & Dry

Drilling Time: 4300' to RTD

Electric Logs: Midwest Wireline "D. Schmidt"  
Stack-Micro

Drillstem Tests: One-Trilobite Testing "Eric Burgess"

Problems: Hit bridge at 4652' with logging tool.

**Formation Tops**  
**Hubin #3-10**  
**Sec. 10, T23s, R23w**  
**1333' FSL & 1692' FWL**

<b>Anhydrite</b>	<b>1500' +850</b>
<b>Base</b>	<b>1536' +814</b>
<b>Heebner</b>	<b>3887' -1537</b>
<b>Lansing</b>	<b>3949' -1599</b>
<b>Bkc</b>	<b>4330' -1980</b>
<b>Marmaton</b>	<b>4355' -2005</b>
<b>Fort Scott</b>	<b>4493' -2143</b>
<b>Cherokee</b>	<b>4517' -2167</b>
<b>Miss Warsaw</b>	<b>4586' -2236</b>
<b>RTD</b>	<b>4725' -2375</b>
<b>LTD</b>	<b>4652' -2302</b>

**Sample Zone Descriptions**

**Miss Warsaw (4586',-2236): Covered in DST #1**

Dolomite Gray. Sub crystalline. Good vuggy and fair to good sucrosic porosity. Good stain, fair to good saturation, GSFO when broken. Fair to good odor. 30 unit gas kick. Good full cut florescence.

**Drill Stem Tests**  
**Trilobite Testing**  
**“Eric Burgess”**

**DST #1**

**Miss Warsaw**

Interval (4535' – 4617') Anchor 82'

IHP - 2295 #

IFP - 30" – WSB

41-62 #

ISI - 30" – No return

424 #

FFP - 30" – WSB built to 1"

71-84 #

FSIP - 45" - No return

419 #

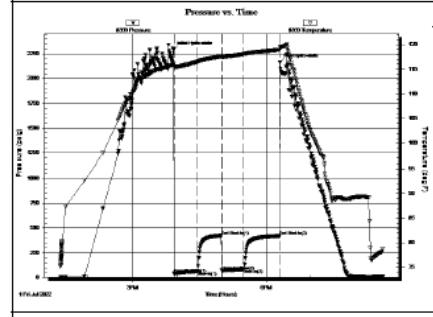
FHP - 2163 #

BHT - NA

Recovery: 5' Oil

60' OCM (45% Oil)

60' OCM (25% Oil)



**Structural Comparison**

Formation	American Warrior, Inc Hubin #3-10 Sec 10, T23s, R23w 1333' FSL & 1692' FWL		American Warrior Inc Hubin #1-10 Sec 10, T23s, R23w 1394' FSL & 2240' FWL		American Warrior, Inc. Hubin #2-10 B Sec 10, T23s, R23w 455' FSL & 2220' FWL
Heebner	3887' -1537	-2	3890' -1535	-2	3863' -1534
Lansing	3949' -1599	-1	3953' -1598	-1	3927' -1598
BKc	4330' -1980	-3	4332' -1977	-5	4304' -1975
Marmaton	4355' -2005	-3	4357' -2002	-6	4328' -1999
Fort Scott	4493' -2143	-5	4493' -2138	-6	4466' -2137
Cherokee	4517' -2167	-5	4517' -2162	-5	4491' -2162
Miss War.	4586' -2236	-13	4578' -2223	-13	4552' -2223



## **Summary**

The location for the Hubin #3-10 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted, which recovered commercial amounts of oil from the Miss Warsaw formation. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the Hubin #3-10 well.

### **Recommended Perforations**

<b>Primary</b>	<b>Warsaw</b>	<b>(4607' to 4617')</b>
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Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.





**QUASAR ENERGY SERVICES, INC.**

3288 FM 51  
 Gainesville, Texas 76240  
 Office: 940-612-3336  
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2J

6/27/22  
 CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> AMERICAN WARRIOR			<b>Well Name:</b> HUBIN 3-10		
<b>Type Job:</b> SURFACE			<b>AFE #:</b>		
<b>CASING DATA</b>					
<b>Size:</b>	8 5/8	<b>Grade:</b>	j55	<b>Weight:</b>	24
<b>Casing Depths</b>	Top: 0	<b>Bottom:</b>	313.43		
<b>Drill Pipe:</b>	Size: 0	<b>Weight:</b>	0		
<b>Tubing:</b>	Size: 0	<b>Weight:</b>	0	<b>Grade:</b>	0
<b>Open Hole:</b>	Size: 12 1/4	<b>T.D. (ft):</b>	313	<b>TD (ft):</b>	313
<b>Perforations</b>	From (ft):	To:	<b>Packer Depth(ft):</b>		

<b>CEMENT DATA</b>					
<b>Spacer Type:</b>					
<b>Amt.</b>	Sks Yield		ft <sup>3</sup> /sk	Density (PPG)	
<b>LEAD:</b>					Excess
<b>Amt.</b>	Sks Yield		ft <sup>3</sup> /sk	Density (PPG)	
<b>TAIL:</b>	CLASS A 2%GY, 2%SMS, 2%CaCl, 1/4#POLY				Excess
<b>Amt.</b>	175	Sks Yield	1.82	ft <sup>3</sup> /sk	Density (PPG) 13.3
<b>WATER:</b>					
<b>Lead:</b>	gals/sk:	Tail:	9.75	gals/sk:	40.6
				<b>Total (bbls):</b>	40.6
<b>Pump Trucks Used:</b>	210-DP11				
<b>Bulk Equipment:</b>	229 660-23				
<b>Disp. Fluid Type:</b>	FRESH	<b>Amt. (Bbls.):</b>	18.6	<b>Weight (PPG):</b>	8.3
<b>Mud Type:</b>				<b>Weight (PPG):</b>	

**COMPANY REPRESENTATIVE:** \_\_\_\_\_ **EMILIO** **CEMENTER:** Chad Hinz

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
1600						ON LOC, SAFTEY MTG, R.U.
1649	180				5	START MIXING
1703	0			56.7	2	START DISPLACEMENT, WASHUP
1709	60			18.5		SHUT DOWN, SHUT IN WELL
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!



TICKET 35450

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

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Hays, KS  
 2. Ness City, KS  
 3.  
 4.

WELL/PROJECT NO. 3-10  
 LEASE Hublin Unit  
 COUNTY/PARISH Hodgeman  
 RIG NAME/NO.  
 STATE KS  
 CITY  
 DELIVERED TO  
 ORDER NO. 07/28/22  
 OWNER Same

TICKET TYPE SERVICE  
 SERVICE  
 SALES  
 CONTRACTOR Co Tools  
 WELL TYPE  
 WELL CATEGORY Development  
 JOB PURPOSE Part Collar  
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	30	mi			7.00	210.00
576D		1			Pump Charge - Part Collar	1	EA			1600.00	1600.00
290		1			D-4ir	2	gal			42.00	84.00
104		1			Part Collar Rental Tool	1	EA			250.00	250.00
330		2			Swift Multi Density Std	155	SKS			19.50	3022.50
276		2			Flecele	39	lbs			3.00	117.00
581		2			Service Charge Cement	175	SKS			2.00	350.00
582		2			Minimum Drayage Charge	1	EA			350.00	350.00

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.

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

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO  
 WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO  
 ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5,983.50  
 TOTAL 6244.01

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

SWIFT OPERATOR: [Signature]  
 APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 07/08/22 PAGE NO. 1

CUSTOMER American Warrior Inc WELL NO. 3-10 LEASE Hubin Unit JOB TYPE Port Collar TICKET NO. 35450

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

On location, set up trucks

2 3/8 x 5 1/2  
P.C. - 1587'

0900	1/2	5				1000	Test P.C. - Held Open P.C.
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0905	3 1/2	3				300	Injection Rate & check for blow
	3 1/2	6				300	Start water ahead, catch Circ
	3 1/2					300	Start cement
	3 1/2	65				600	Cement circulating, Raise wt
	3 1/2	75				700	Finish cement, Start Displacement
	3 1/2	5				500	Fin Displacement Shut Down Shut in

0930	1/2					1000	Close P.C. Test P.C. - Held
							Run 3 Its

	3	20				250	Reverse Out Wash up Rack up Job Complete
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10.20

Thanks  
Jon, Joe, Isaac

155 sacks Total  
20 sacks to pit

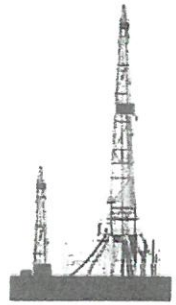
# QUASAR ENERGY SERVICES, INC.

3288 FM 51  
Gainesville, Texas 76240  
Office: 940-612-3336



Fax: 940-612-3336 | qesi@qeserve.com

FRACTURING | ACID | CEMENT | NITROGEN



<b>BID #:</b> 5692		<b>AFE#/PO#:</b> 0	
<b>TYPE / PURPOSE OF JOB:</b> LONG STRING		<b>SERVICE POINT:</b> Liberal, KS	
<b>CUSTOMER:</b> American Warrior		<b>WELL NAME:</b> Hubin #3-10	
<b>ADDRESS:</b> PO Box 399		<b>LOCATION:</b> Jetmore, Ks.	
<b>CITY:</b> Garden City	<b>STATE:</b> Ks.	<b>ZIP:</b> 67846	<b>COUNTY:</b> Hodgeman
<b>STATE:</b> Ks.			
<b>DATE OF SALE:</b> 7/2/2022			

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
115	1000	L	Mile	Mileage - Pickup - Per Mile	\$5.31	\$ 610.65
230	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$8.30	\$ 1,909.00
1	5623	L	Per Well	Pumping Service Charge -2	\$3,307.50	\$ 3,307.50
1	6030	L	Per Well	Plug Container	\$330.75	\$ 330.75

**Subtotal for Pumping & Equipment Charges** \$ **6,157.90**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
50	5630	L	Per Sack	Cement - Class A	\$16.54	\$ 827.00
175	5640	L	Per Sack	Cement - Class H	\$19.85	\$ 3,473.75
1	4280	L	Each	Float Shoe (Blue) 5 1/2"	\$359.86	\$ 359.86
1	4370	L	Each	Latch Down Plug & Baffle 5 1/2"	\$859.95	\$ 859.95
1	4410	L	Each	Port Collar (F.O. Tool) Blue 5 1/2"	\$3,969.00	\$ 3,969.00
8	4450	L	Each	Centralizers 5 1/2"	\$66.15	\$ 529.20
1	4470	L	Each	Cement Basket 5 1/2"	\$304.29	\$ 304.29
66	5710	L	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	\$11.25	\$ 742.50
2	5751	L	Per Gal.	C-41L Defoamer Liquid	\$46.31	\$ 92.62
350	5803	L	Per Lbs.	Tactical Blitz	\$2.51	\$ 878.50
1,650	5850	L	Per Lb.	Gypsum	\$1.00	\$ 1,650.00
420	5870	L	Per Gal.	Mud Flush	\$1.32	\$ 554.40
1,050	5890	L	Per Lb.	Salt	\$0.50	\$ 525.00

<b>MANHOURS:</b> 32	<b># WORKERS:</b> 3	<b>Subtotal for Material Charges</b>	<b>\$ 14,766.07</b>
<b>WORKERS</b>		<b>TOTAL</b>	<b>\$ 20,923.97</b>
Daniel Beck		<b>DISCOUNT: 15%</b>	<b>DISCOUNT \$ 3,138.60</b>
Danny McLane		<b>DISCOUNTED TOTAL \$ 17,785.37</b>	
Noel Leon			

**STAMPS & NOTES:**

As of 9/22/15 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.

**CUSTOMER SIGNATURE & DATE**

Signature: *X Emigdio Rojas* Date: **7-02-22**

\*All accounts are past due net 30 days following the date of invoice. A finance charge of 1-1/2% per month or 18% annual percentage rate will be charged on all past due accounts.

Print Name: *X Emigdio Rojas*

✓  
L



**QUASAR ENERGY SERVICES, INC.**

3288 FM 51  
 Gainesville, Texas 76240  
 Office: 940-612-3336  
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

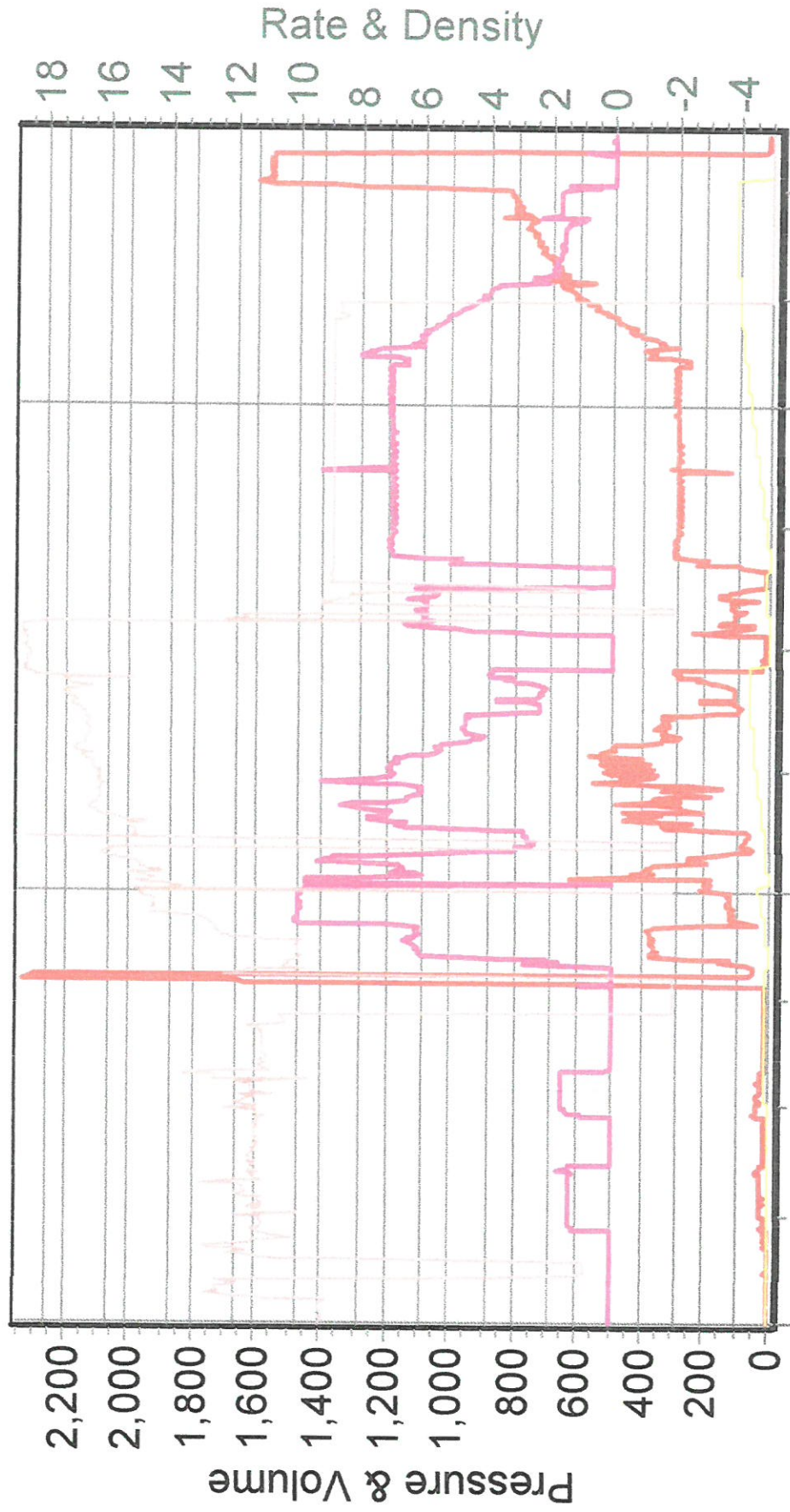
7/2/22

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> American Warrior				<b>Well Name:</b> Hubin 3-10			
<b>Type Job:</b> Cement- Production				<b>AFE #:</b>			
<b>CASING DATA</b>							
<b>Size:</b> 5 1/2		<b>Grade:</b> J-55		<b>Weight:</b> 15.5			
<b>Casing Depths</b>		<b>Top:</b>		<b>Bottom:</b> 4718.17			
<b>Drill Pipe:</b>		<b>Size:</b>		<b>Weight:</b>		<b>Packer:</b>	
<b>Open Hole:</b>		<b>Size:</b> 7 7/8		<b>T.D. (ft):</b>		<b>Hole:</b>	
<b>CEMENT DATA</b>							
<b>Spacer Type:</b>		10BBL MUD FLUSH, 5BBL H2O SPACER					
<b>Amt.</b>		<b>Sks Yield</b>	0	<b>ft<sup>3</sup>/sk</b>		<b>Density (PPG)</b>	
<b>LEAD:</b>		Class H: 10%Gyp.,10%Salt.,4%C-15.,2#/sk Tactical Blitz				Excess	
<b>Amt.</b>	175	<b>Sks Yield</b>	264.25	<b>ft<sup>3</sup>/sk</b>	1.51	<b>Density (PPG)</b>	14.81
<b>TAIL:</b>		Class A: 2% CC., 1/4# Celloflake				Excess	
<b>Amt.</b>	50	<b>Sks Yield</b>	58.5	<b>ft<sup>3</sup>/sk</b>	1.17	<b>Density (PPG)</b>	15.65
<b>WATER:</b>							
<b>Lead:</b>	175	<b>gals/sk:</b>	7.15	<b>Tail:</b>	50	<b>gals/sk:</b>	5.2
						<b>Total (bbls):</b>	36.0
<b>Pump Trucks Used:</b>		04, DPO3					
<b>Bulk Equipment:</b>		229, 660-23					
<b>Disp. Fluid Type:</b>		Water (Supplied)		<b>Amt. (Bbls.)</b>	111.3	<b>Weight (PPG):</b>	8.3
<b>COMPANY REPRESENTATIVE:</b> Emilio				<b>CEMENTER:</b> Daniel Beck			
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
	AM/PM	Casing	Tubing	ANNULUS	TOTAL		RATE
18:30						ON LOCATION & SAFETY MEETING	
22:30						RIG TO CIRCULATE	
22:38						PLUG RAT & MOUSE W/ 50SX @ 15.6#	
22:47						RIG TO PT	
22:56						PRESSURE TEST TO 2000PSI	
23:57	240				10	4.0	PUMP 10BBL MUD FLUSH
23:00	400				5	6.0	PUMP 5BBL SPACER
23:01	350				47.0	6.4	slurry PUMP 175SX LEAD @ 14.8#
23:14							SHUTDOWN / DROP PLUG / WP
23:19	280				10	7.1	DISPLACE
	280				20	7.0	
	290				30	7.0	
	290				40	7.0	
	290				50	7.0	
	290				60	7.0	
	290				70	7.0	
	330				80	6.5	
	460				90	5.7	
23:34	640				100	3.8	SLOW RATE TO 2.6BPM @ 650PSI
23:40	800				111.3	1.7	LAND PLUG / PRESSURE UP TO 1550PSI
23:42							RELEASE BACK --- FLOAT HELD
							JOB COMPLETE
<b>Company:</b> American Warrior				<b>Well Name:</b> Hubin 3-10			
<b>Type Job:</b> Cement- Production				<b>AFE #:</b>			
<b>Date:</b> 7/2/2022		CEMENTING JOB LOG		QUASAR ENERGY SERVICES, INC.   185-2			

# American Warrior Hubin 3-10



7/2/2022 9:35:35 PM 7/2/2022 9:59:15 PM 7/2/2022 10:25:56 PM





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
Po Box 359  
Garden City, Ks 67846  
ATTN: Kevin Timson

**10-23S-23W Hodgeman Ks**

**Hubin 3-10**

Job Ticket: 68415      **DST#: 1**  
Test Start: 2022.07.01 @ 13:23:02

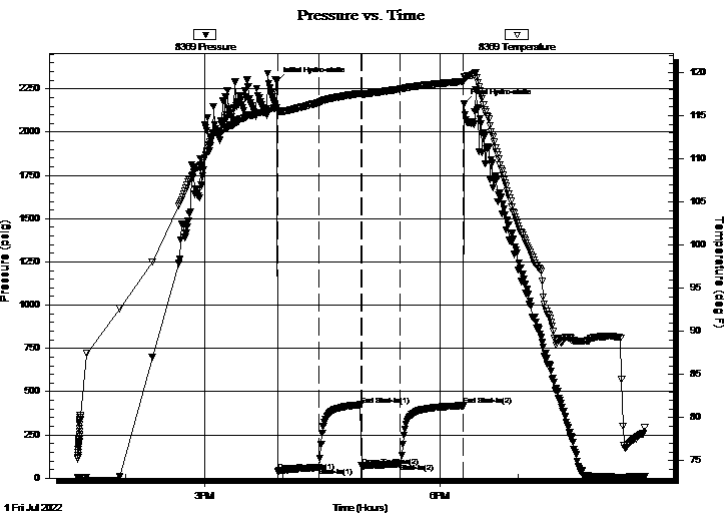
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:56:02  
Time Test Ended: 20:37:02  
Interval: **4535.00 ft (KB) To 4617.00 ft (KB) (TVD)**  
Total Depth: 4617.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Eric Burgess  
Unit No: 80  
Reference Elevations: 2350.00 ft (KB)  
2338.00 ft (CF)  
KB to GR/CF: 12.00 ft

## Serial #: 8369 Outside

Press@RunDepth: 84.11 psig @ 4540.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2022.07.01 End Date: 2022.07.01 Last Calib.: 2022.07.01  
Start Time: 13:23:03 End Time: 20:37:02 Time On Btm: 2022.07.01 @ 15:55:12  
Time Off Btm: 2022.07.01 @ 18:18:32

TEST COMMENT: IF:Weak Blow only surface bubbles (30)  
IS:No Blow Back(30)  
FF:Weak Building Blow built 1" in bucket (30)  
FS:No Blow Back (45)



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.32	115.94	Initial Hydro-static
1	41.26	115.51	Open To Flow (1)
33	62.00	116.51	Shut-In(1)
65	423.89	117.57	End Shut-In(1)
65	71.35	117.48	Open To Flow (2)
95	84.11	118.06	Shut-In(2)
143	419.27	118.95	End Shut-In(2)
144	2163.01	119.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 25%O 75%M	0.30
60.00	OCM 45%O 65%M	0.30
5.00	O 100%O	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
Po Box 359  
Garden City, Ks 67846  
ATTN: Kevin Timson

**10-23S-23W Hodgeman Ks**

**Hubin 3-10**

Job Ticket: 68415

**DST#: 1**

Test Start: 2022.07.01 @ 13:23:02

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:56:02

Time Test Ended: 20:37:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

**Interval: 4535.00 ft (KB) To 4617.00 ft (KB) (TVD)**

Total Depth: 4617.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2350.00 ft (KB)

2338.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: psig @ 4540.00 ft (KB)

Start Date: 2022.07.01

End Date:

2022.07.01

Start Time: 13:23:52

End Time:

20:38:11

Capacity: 8000.00 psig

Last Calib.:

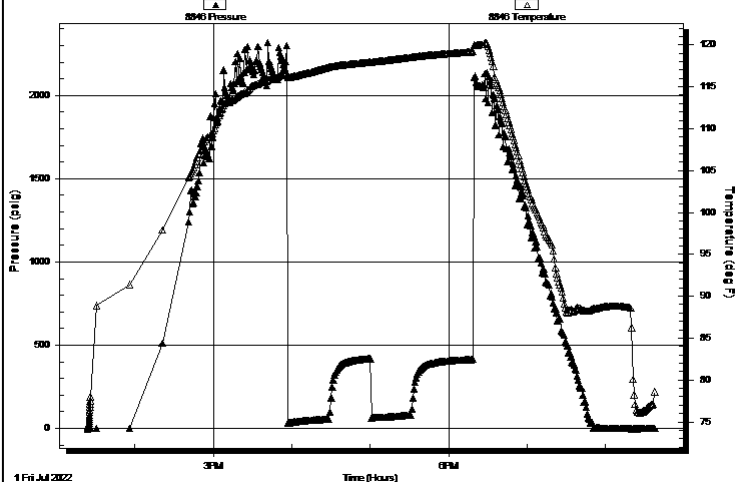
2022.07.01

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak Blow only surface bubbles (30)  
IS:No Blow Back(30)  
FF:Weak Building Blow built 1" in bucket (30)  
FS:No Blow Back (45)

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 25% O 75% M	0.30
60.00	OCM 45% O 65% M	0.30
5.00	O 100% O	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior Inc.

**10-23S-23W Hodgeman Ks**

Po Box 359  
Garden City, Ks 67846

**Hubin 3-10**

Job Ticket: 68415

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2022.07.01 @ 13:23:02

### 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:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	OCM 25%O 75%M	0.295
60.00	OCM 45%O 65%M	0.295
5.00	O 100%O	0.025

Total Length: 125.00 ft      Total Volume: 0.615 bbl

Num Fluid Samples: 0

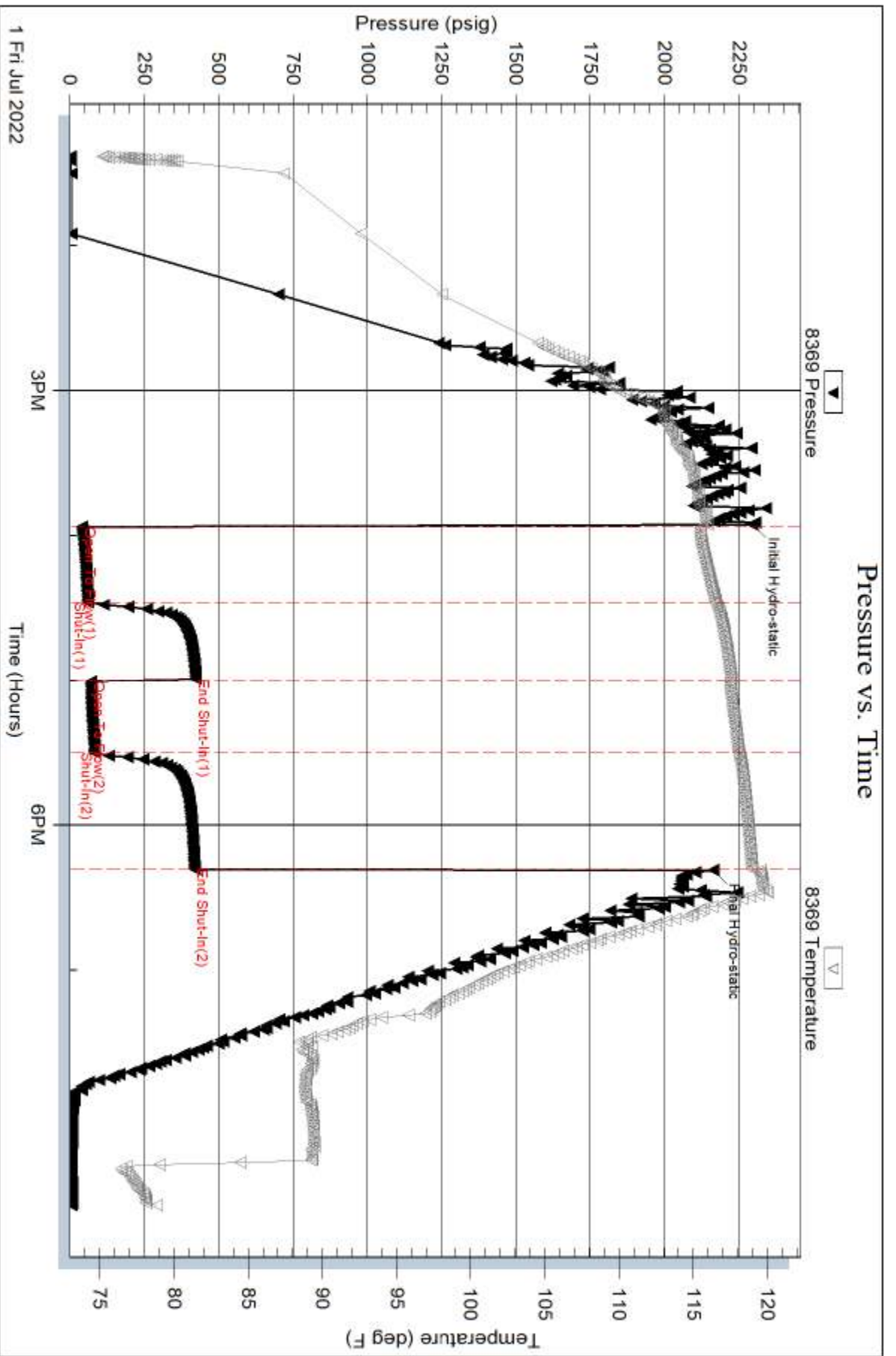
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



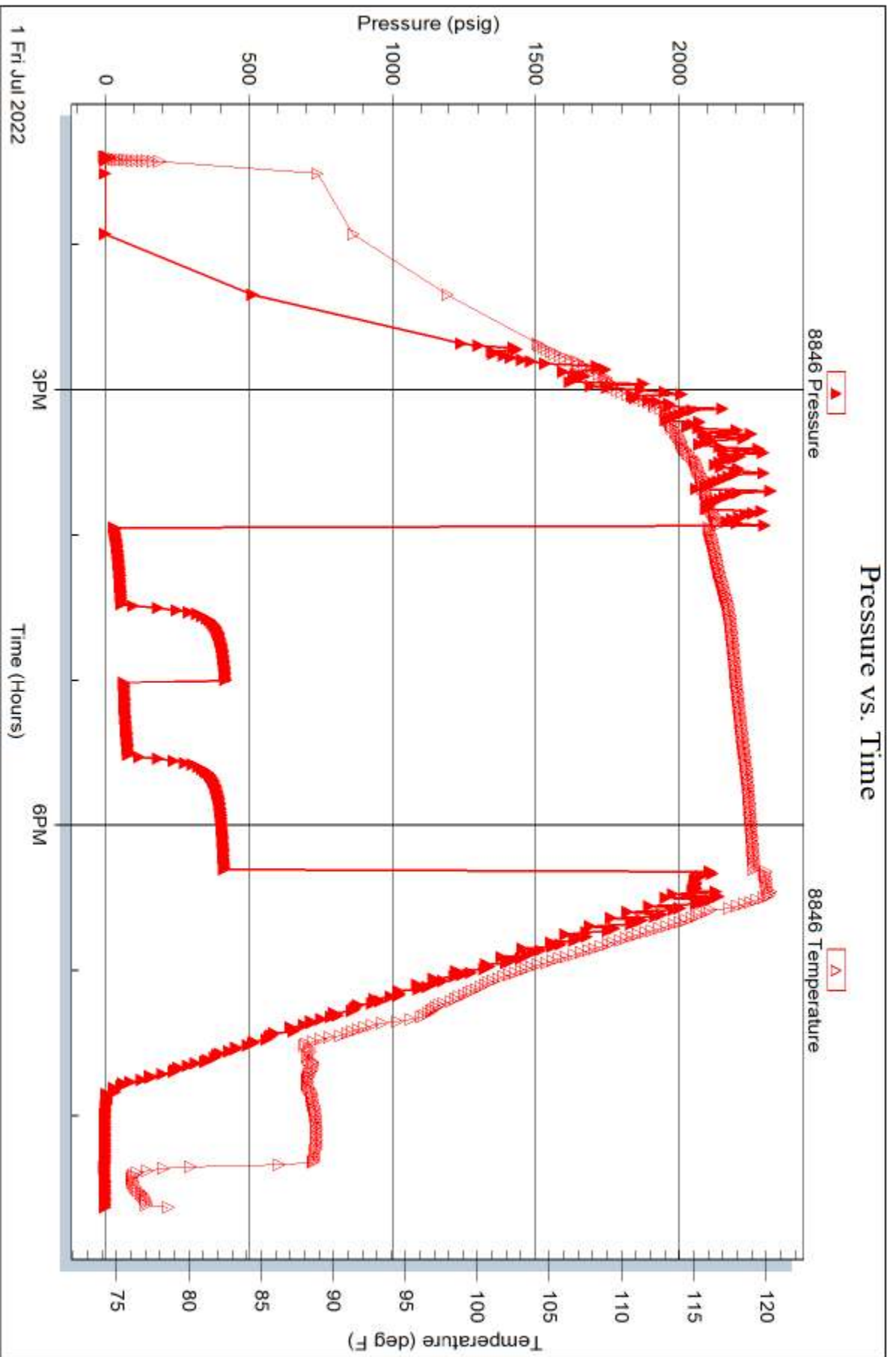
Serial #: 8846

Inside

American Warrior Inc.

Hubin 3-10

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68415

Printed: 2022.07.01 @ 22:47:18