

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 Recompletion Date \_\_\_\_\_ 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) (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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Services, Inc.

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

TICKET 27378

WELL PROJECT NO. 8-103  
LEASE Hobbs  
COUNTY/PARISH Hodgeman  
RIG NAME/NO. Rig # 5  
STATE OK  
CITY  
DATE 8-11-78  
OWNER  
ORDER NO.  
WELL LOCATION

PAGE 1 OF 3

1. *Hays Ks* 2. *Ness City Ks* 3. *Ness City Ks* 4. *development*

TICKET TYPE:  SERVICE  SALES  
WELL TYPE: *0.1*  
CONTRACTOR: *Ness Drilling*  
WELL CATEGORY: *development*  
JOB PURPOSE: *Long String*

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					30 mi	1	mi	1	mi	5.00	150.00	
578					Pump Charge - Long String	1	EA	1	EA	1300.00	1300.00	
290					A-Air	2	EA	2	EA	42.00	84.00	
221					Liquid Kci	2	EA	2	EA	25.00	50.00	
281					Mud Flush	500	EA	500	EA	1.50	750.00	
402					Centrolizer	9	EA	9	EA	40.00	360.00	
403					Pement Basket	2	EA	2	EA	225.00	450.00	
404					Port Collar	1	EA	1	EA	250.00	250.00	
406					Letch Down Plug & Baffle	1	EA	1	EA	250.00	250.00	
407					Insert E-bar shoe w/ Auto Fill	1	EA	1	EA	325.00	325.00	
419					Rotating Head Rental	1	EA	1	EA	200.00	200.00	

**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

TOTAL 11180.08

SWIFT OPERATOR: *David Edgerton* APPROVAL: \_\_\_\_\_

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

Thank You!



*Sawman, Inc.*

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

CUSTOMER  
*American Blanner*

WELL  
*Hibbs 2-10B*

DATE  
*9-11-18*

TICKET No. *27378*

TICKET CONTINUATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			
<i>325</i>		<i>2</i>				<i>Standard Cement</i>	<i>175</i>	<i>SKS</i>				<i>13.00</i>	<i>2275.00</i>
<i>284</i>		<i>2</i>				<i>Calscal</i>	<i>8</i>	<i>SKS</i>				<i>35.00</i>	<i>280.00</i>
<i>285</i>		<i>2</i>				<i>Salt</i>	<i>950</i>	<i>lbs</i>				<i>20.00</i>	<i>1900.00</i>
<i>292</i>		<i>2</i>				<i>Holad - 322</i>	<i>100</i>	<i>lbs</i>				<i>8.00</i>	<i>800.00</i>
<i>276</i>		<i>2</i>				<i>Fluore</i>	<i>45</i>	<i>lbs</i>				<i>2.50</i>	<i>112.50</i>
<i>582</i>		<i>2</i>				<i>Minimum Drayage</i>	<i>1</i>	<i>EA</i>				<i>250.00</i>	<i>250.00</i>
<i>581</i>		<i>2</i>				<i>Minimum Cement</i>	<i>175</i>	<i>SKS</i>				<i>1.75</i>	<i>306.75</i>
<i>582</i>		<i>2</i>				<i>Minimum Drayage</i>	<i>1</i>	<i>EA</i>				<i>250.00</i>	<i>250.00</i>
<i>581</i>		<i>2</i>				<i>Minimum Cement</i>	<i>175</i>	<i>SKS</i>				<i>1.75</i>	<i>306.75</i>

CONTINUATION TOTAL

*4213.75*

JOB LOG

SWIFT Services, Inc.

DATE 8-11-18 PAGE NO.

CUSTOMER American Warrior WELL NO. 2-10 B LEASE Hubin JOB TYPE Long String TICKET NO. 27378

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							On location
								Rtd 4650 Centralizers- 1,2,3,4,5,7,9,11, 75 Baskets- 2# 76 PC - 81 @ 14 1/2'
	2215							Start Pumping Csg
	120							Break Circ on Bottom
	140	2.5	8			0		Plug Rat Hole - 30 sts cmt
		2.5	4			0		Plug mouse hole - 20 sts cmt
		6	12			300		Pump Mudflush - 500 gal
	150	6	20			300		Pump tool spacer
		5	30			200		pump cmt 125 sts @ 15.5 rpm
								Drop plug - Wash pump & lines
	205	6	0			150		Start Disp
	225	5	110			600		land plug lift psi - 600# land psi - 1500#
	230							Release Psi - Dry
								Thanks David, Zach & Kirby

# GLOBAL OIL FIELD SERVICES, LLC

3159X

REMIT TO  
24 S. Lincoln  
Russell, KS 67665

SERVICE POINT:  
Russell, KS

DATE	8-3-18	SEC.	10	TWP.	23	RANGE	23W	CALLED OUT	5pm	ON LOCATION	9pm	JOB START	11 pm	JOB FINISH	11:45 pm	STATE	KS	COUNTY	Hodgeman
LEASE	Hugins	WELL #	2-10B	LOCATION	5 1/2 mi S of JF track, KS					OLD OR NEW	(CIRCLE ONE)								

CONTRACTOR	Duke Drilling Rig #5
TYPE OF JOB	SURFACE
HOLE SIZE	12 1/4
CASING SIZE	8 5/8
TUBING SIZE	2 3/8
DEPTH	265.44
DEPTH	11 1/2 X4
TOOL	DEPTH
MINIMUM	DEPTH
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	20'
PERFS	
DISPLACEMENT	15 1/2 BBL
EQUIPMENT	
PUMP TRUCK	CEMENTER <i>Bona</i>
	HELPER <i>Jason</i>
BULK TRUCK	# 417
BULK TRUCK	# 379
BULK TRUCK	DRIVER <i>Kris</i>
	DRIVER

REMARKS:  
 Run 12 1/2 STS 8 5/8 CASING, BREAK CIRC  
 MY 195 SX, WASH UP + DISPLACE W/ 1 1/2 BBL  
 H<sub>2</sub>O. SHUT IN @ 200 PSI, CEMENT DIA CEMENT

CHARGE TO: *American Warrior*

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Oil Field Services, LLC  
 You are hereby requested to rent cementing equipment and furnish cement and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
 SIGNATURE *Alfonso Adonez*

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED *195 SX COM 3% OIL 2% GEL*

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
HANDLING	@	
MILEAGE	@	
TOTAL		

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
TOTAL	

PLUG & FLOAT EQUIPMENT

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
TOTAL	

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_

IF PAID IN 30 DAYS \_\_\_\_\_

**GENERAL TERMS AND CONDITIONS**

**DEFINITIONS:** In these terms and conditions, "GOS" shall mean Global Oil Field Services, L.L.C. and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract; "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

**TERMS:** Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to GOS before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or the option of GOS, refunded directly to CUSTOMER. For purpose of this paragraph, GOS and CUSTOMER agrees that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and per attorney's fees.

**PRICES AND TAXES:** All merchandise listed in GOS's current price schedules are F.O.B. GOS's local station is subject to change without notice. All prices are exclusive of any federal, state, local or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by GOS shall be added to the quoted price charged to CUSTOMER.

**TOWING CHARGES:** GOS will make a reasonable attempt to get to and from each job site using its own equipment. Should GOS be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by GOS, will be charged to and paid by CUSTOMER.

**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay GOS for the expenses incurred by GOS as a result of the cancellation.

**DEAD HAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set for in GOS's current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

**SERVICE CONDITIONS AND LIABILITIES:**

1. GOS carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond GOS's control, GOS shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless GOS, its officers, agents and employees, from and against any and all claims or suits for:
  - A. Damage to property or for bodily injury, sickness, disease, or death, brought by any person including CUSTOMER and/or the well owner; and
  - B. Oil spill, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with GOS's performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of GOS or its employees.
2. With respect to any of GOS's tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to GOS at the landing, CUSTOMER shall either recover the lost item without cost to GOS or reimburse GOS the current replacement cost of the item unless the loss or damage results from the sole negligence of GOS or its employees.
3. GOS does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:**

1. GOS warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. GOS's obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, as its option, for any merchandise which is determined by GOS to be defective. THIS IS THE SOLE WARRANTY OF GOS AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESSED OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. CUSTOMERS sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and GOS shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
2. More specifically:
  - A. Nothing in this contract shall be construed as a warranty by GOS of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
  - B. Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by GOS or any interpretation of tests, meter readings, chart information, analysis or research, or recommendations made by GOS, unless the facts, information or data furnished by GOS or its employees in the preparation or furnishing of such work done or merchandise used, sold, or furnished under this contract.
  - C. Work done by GOS shall be under the direct supervision and control of the CUSTOMER or his agent and GOS will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**10-23S-23W Hodgeman, KS**  
**Hubin #2-10B**  
Job Ticket: 63135      **DST#: 1**  
Test Start: 2018.08.10 @ 08:27:14

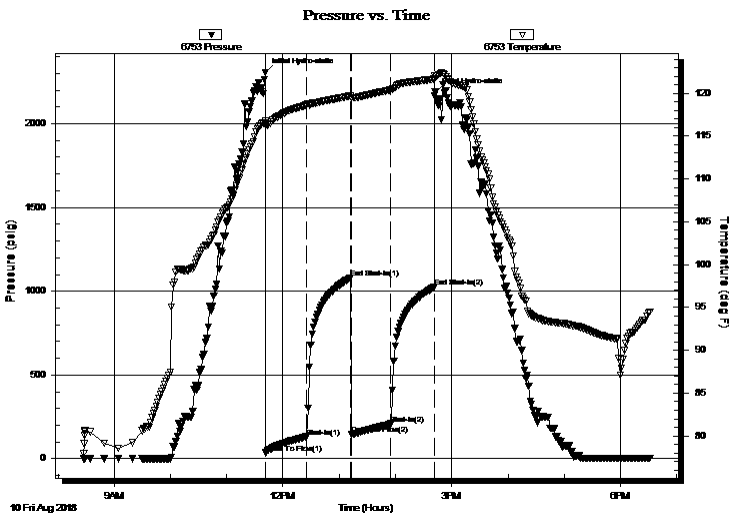
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 11:41:44      Tester: Brannan Lonsdale  
Time Test Ended: 18:32:14      Unit No: 73  
**Interval: 4506.00 ft (KB) To 4579.00 ft (KB) (TVD)**      Reference Elevations: 2329.00 ft (KB)  
Total Depth: 4579.00 ft (KB) (TVD)      2321.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 6753      Outside**  
Press@RunDepth: 204.43 psig @ 4507.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.08.10      End Date: 2018.08.10      Last Calib.: 2018.08.10  
Start Time: 08:27:19      End Time: 18:32:14      Time On Btm: 2018.08.10 @ 11:41:14  
Time Off Btm: 2018.08.10 @ 14:42:14

TEST COMMENT: 45- IF- BOB 42mins  
45- IS- No blow  
45- FF- BOB 42mins  
45- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.20	116.74	Initial Hydro-static
1	34.39	116.26	Open To Flow (1)
44	130.29	118.64	Shut-In(1)
91	1077.69	119.69	End Shut-In(1)
92	144.15	119.46	Open To Flow (2)
134	204.43	120.38	Shut-In(2)
180	1023.50	121.65	End Shut-In(2)
181	2188.15	121.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM, 20%O 80%M	0.89
330.00	CGO, 20%G 80%O	1.62
0.00	90' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**10-23S-23W Hodgeman, KS**  
**Hubin #2-10B**  
Job Ticket: 63135      **DST#: 1**  
Test Start: 2018.08.10 @ 08:27:14

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:41:44  
Time Test Ended: 18:32:14  
Interval: **4506.00 ft (KB) To 4579.00 ft (KB) (TVD)**  
Total Depth: 4579.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brannan Lonsdale  
Unit No: 73  
Reference Elevations: 2329.00 ft (KB)  
2321.00 ft (CF)  
KB to GR/CF: 8.00 ft

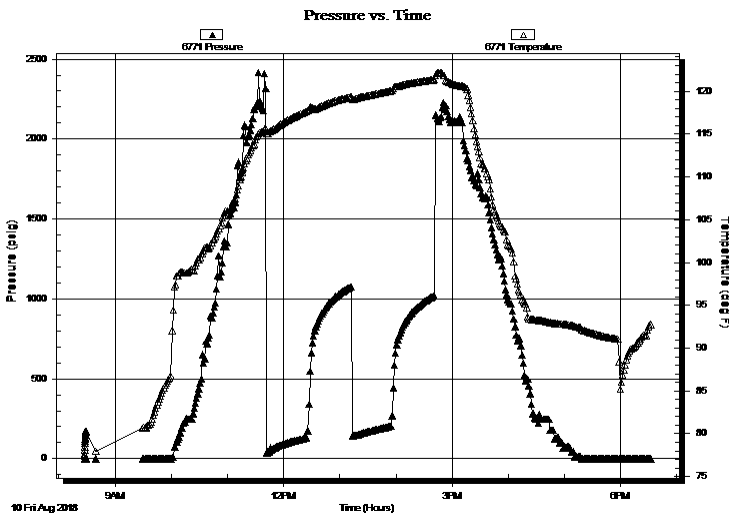
## Serial #: 6771

Inside

Press@RunDepth: psig @ 4507.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2018.08.10 End Date: 2018.08.10 Last Calib.: 2018.08.10  
Start Time: 08:27:25 End Time: 18:32:14 Time On Btm:  
Time Off Btm:

TEST COMMENT: 45- IF- BOB 42mins  
45- IS- No blow  
45- FF- BOB 42mins  
45- FS- No blow

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM, 20%O 80%M	0.89
330.00	CGO, 20%G 80%O	1.62
0.00	90' GIP	0.00

## 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**

3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**Hubin #2-10B**

Job Ticket: 63135

**DST#: 1**

Test Start: 2018.08.10 @ 08:27:14

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	OCM, 20%O 80%M	0.885
330.00	CGO, 20%G 80%O	1.623
0.00	90' GIP	0.000

Total Length: 510.00 ft

Total Volume: 2.508 bbl

Num Fluid Samples: 0

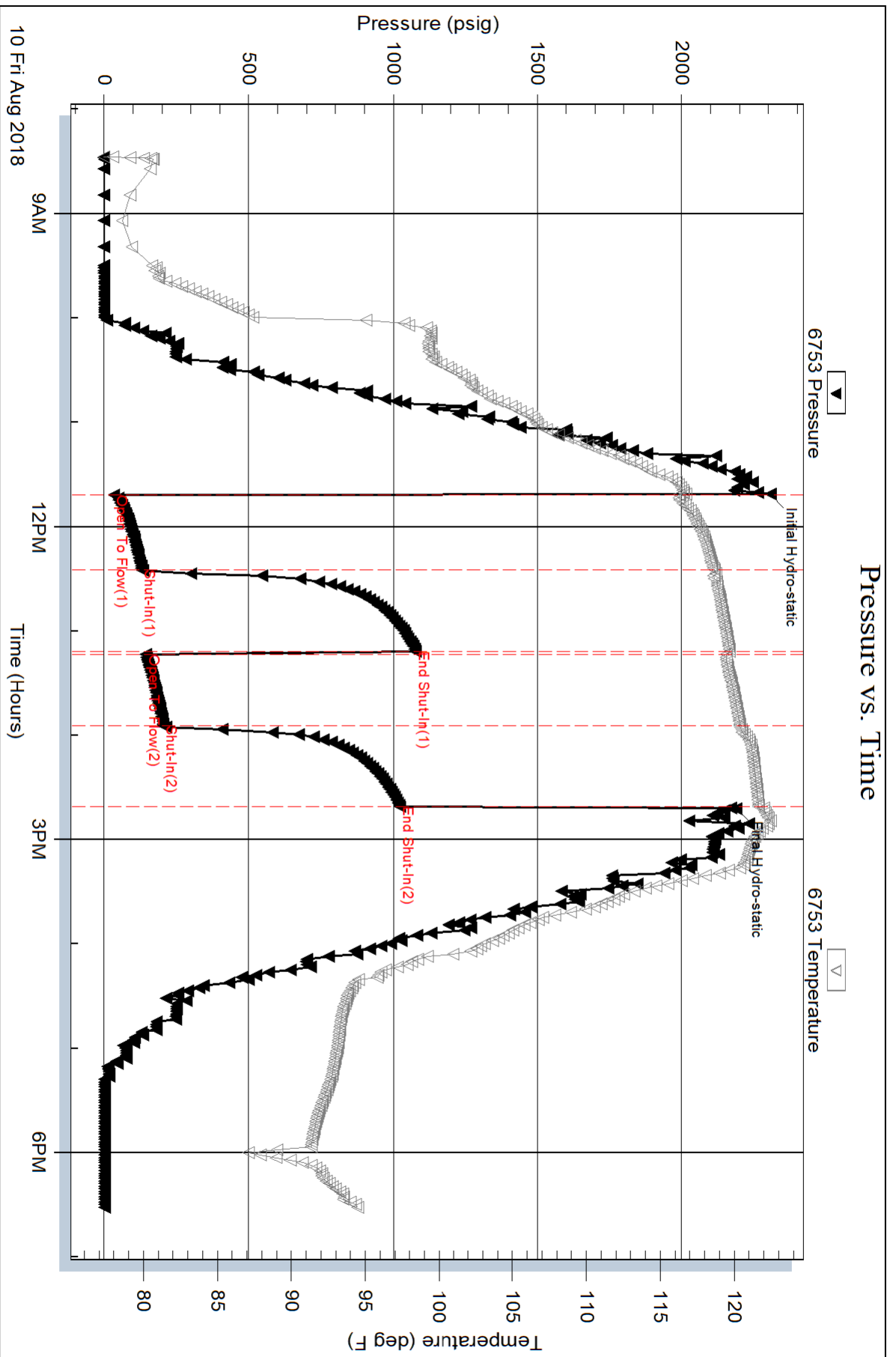
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



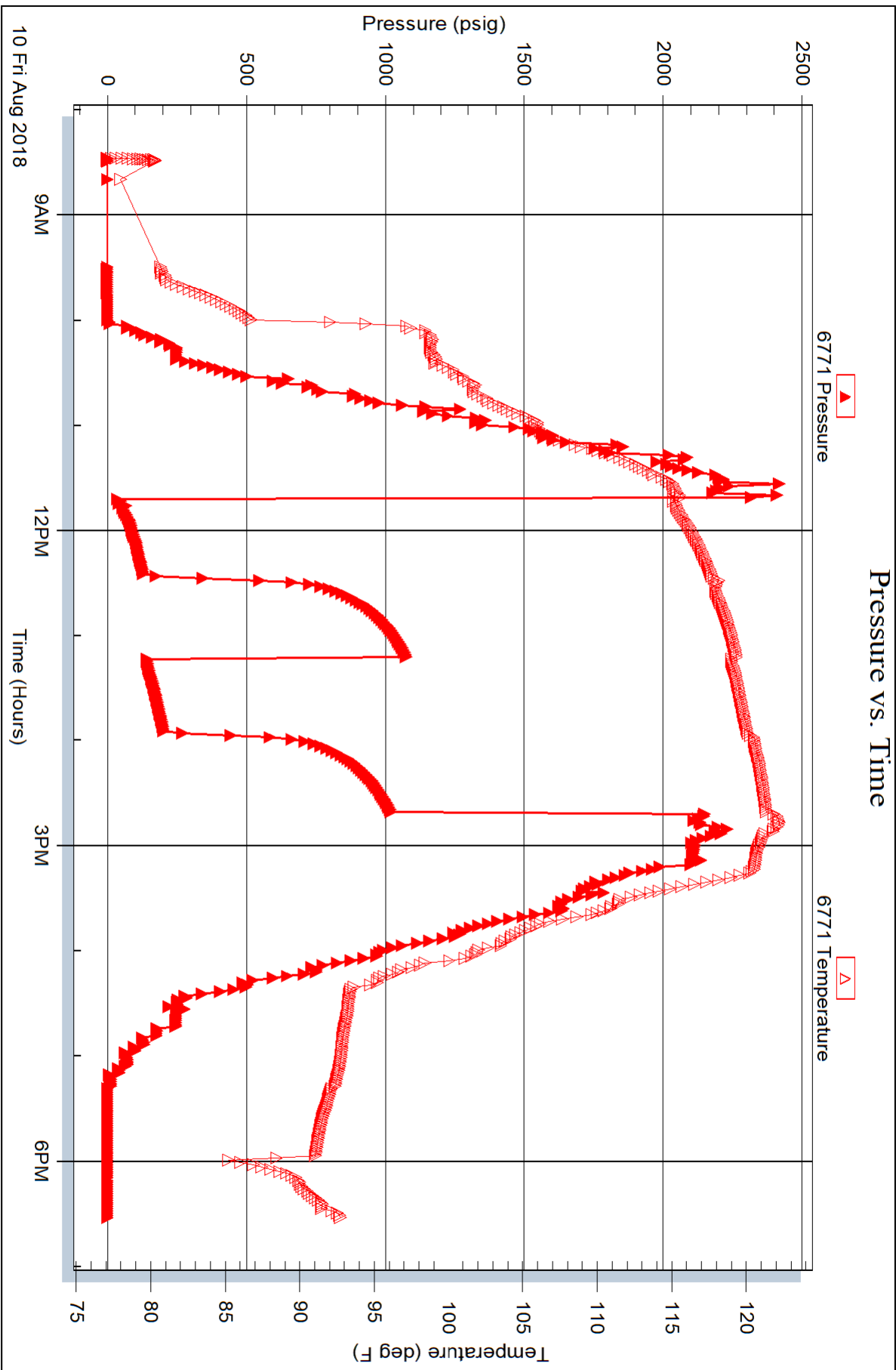
Serial #: 6771

Inside

American Warrior, Inc.

Hublin #2-10B

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

### **Hubin #2-10B**

### **10-23S-23W Hodgeman,KS**

Start Date: 2018.08.10 @ 08:27:14

End Date: 2018.08.10 @ 18:32:14

Job Ticket #: 63135                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.08.13 @ 15:57:22



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**10-23S-23W Hodgeman,KS**

**Hubin #2-10B**

Job Ticket: 63135      **DST#: 1**  
Test Start: 2018.08.10 @ 08:27:14

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:41:44  
Time Test Ended: 18:32:14  
Interval: **4506.00 ft (KB) To 4579.00 ft (KB) (TVD)**  
Total Depth: 4579.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brannan Lonsdale  
Unit No: 73  
Reference Elevations: 2329.00 ft (KB)  
2321.00 ft (CF)  
KB to GR/CF: 8.00 ft

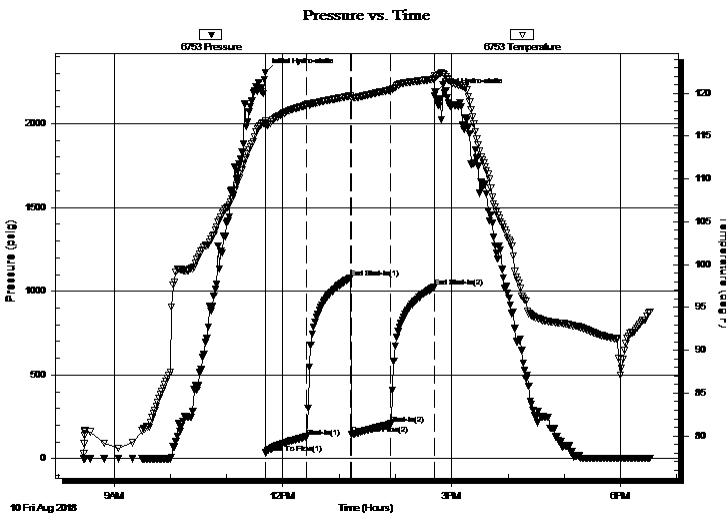
## Serial #: 6753

**Outside**

Press@RunDepth: 204.43 psig @ 4507.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.08.10      End Date: 2018.08.10      Last Calib.: 2018.08.10  
Start Time: 08:27:19      End Time: 18:32:14      Time On Btm: 2018.08.10 @ 11:41:14  
Time Off Btm: 2018.08.10 @ 14:42:14

TEST COMMENT: 45- IF- BOB 42 mins  
45- IS- No blow  
45- FF- BOB 42 mins  
45- FS- No blow

## PRESSURE SUMMARY



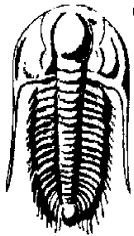
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.20	116.74	Initial Hydro-static
1	34.39	116.26	Open To Flow (1)
44	130.29	118.64	Shut-In(1)
91	1077.69	119.69	End Shut-In(1)
92	144.15	119.46	Open To Flow (2)
134	204.43	120.38	Shut-In(2)
180	1023.50	121.65	End Shut-In(2)
181	2188.15	121.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM, 20%O 80%M	0.89
330.00	CGO, 20%G 80%O	1.62
0.00	90' GIP	0.00

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

American Warrior, Inc.

10-23S-23W Hodgeman, KS

PO Box 399  
Garden City, KS 67846

Hubin #2-10B

Job Ticket: 63135                      DST#: 1

ATTN: Kevin Timson

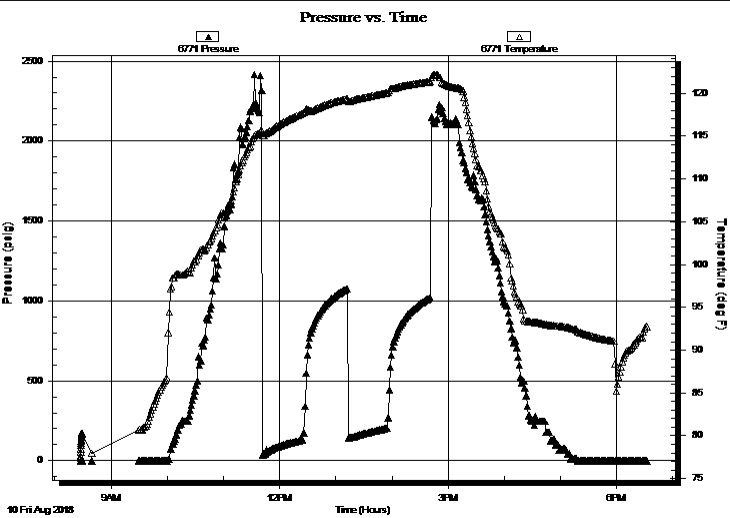
Test Start: 2018.08.10 @ 08:27:14

### GENERAL INFORMATION:

Formation:	<b>Miss</b>			Test Type:	Conventional Bottom Hole (Initial)
Deviated:	No	Whipstock:	ft (KB)	Tester:	Brannan Lonsdale
Time Tool Opened:	11:41:44			Unit No:	73
Time Test Ended:	18:32:14			Reference Elevations:	2329.00 ft (KB)
<b>Interval:</b>	<b>4506.00 ft (KB) To</b>	<b>4579.00 ft (KB) (TVD)</b>			2321.00 ft (CF)
Total Depth:	4579.00 ft (KB) (TVD)			KB to GR/CF:	8.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair		

<b>Serial #: 6771</b>	<b>Inside</b>			Capacity:	8000.00 psig
Press@RunDepth:	psig @	4507.00 ft (KB)		Last Calib.:	2018.08.10
Start Date:	2018.08.10	End Date:	2018.08.10	Time On Btm:	
Start Time:	08:27:25	End Time:	18:32:14	Time Off Btm:	

TEST COMMENT: 45- IF- BOB 42 mins  
 45- IS- No blow  
 45- FF- BOB 42 mins  
 45- FS- No blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM, 20%O 80%M	0.89
330.00	CGO, 20%G 80%O	1.62
0.00	90' GIP	0.00

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**10-23S-23W Hodgeman,KS**

PO Box 399  
Garden City, KS 67846

**Hubin #2-10B**

Job Ticket: 63135

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2018.08.10 @ 08:27:14

## Tool Information

Drill Pipe:	Length: 3993.00 ft	Diameter: 3.82 inches	Volume: 56.60 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 514.00 ft	Diameter: 2.25 inches	Volume: 2.53 bbl	Weight to Pull Loose:	115000.0 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	102000.0 lb
Drill Pipe Above KB:	29.00 ft			Final	107000.0 lb
Depth to Top Packer:	4506.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	73.00 ft				
Tool Length:	101.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			4479.00	
Shut In Tool	5.00			4484.00	
Hydraulic tool	5.00			4489.00	
Jars	5.00			4494.00	
Safety Joint	3.00			4497.00	
Packer	5.00			4502.00	28.00 Bottom Of Top Packer
Packer	4.00			4506.00	
Stubb	1.00			4507.00	
Recorder	0.00	6771	Inside	4507.00	
Recorder	0.00	6753	Outside	4507.00	
Perforations	4.00			4511.00	
Change Over Sub	1.00			4512.00	
Drill Pipe	63.00			4575.00	
Change Over Sub	1.00			4576.00	
Bullnose	3.00			4579.00	73.00 Bottom Packers & Anchor

**Total Tool Length: 101.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**10-23S-23W Hodgeman,KS**

PO Box 399  
Garden City, KS 67846

**Hubin #2-10B**

Job Ticket: 63135

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2018.08.10 @ 08:27:14

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OCM, 20%O 80%M	0.885
330.00	CGO, 20%G 80%O	1.623
0.00	90' GIP	0.000

Total Length: 510.00 ft      Total Volume: 2.508 bbl

Num Fluid Samples: 0

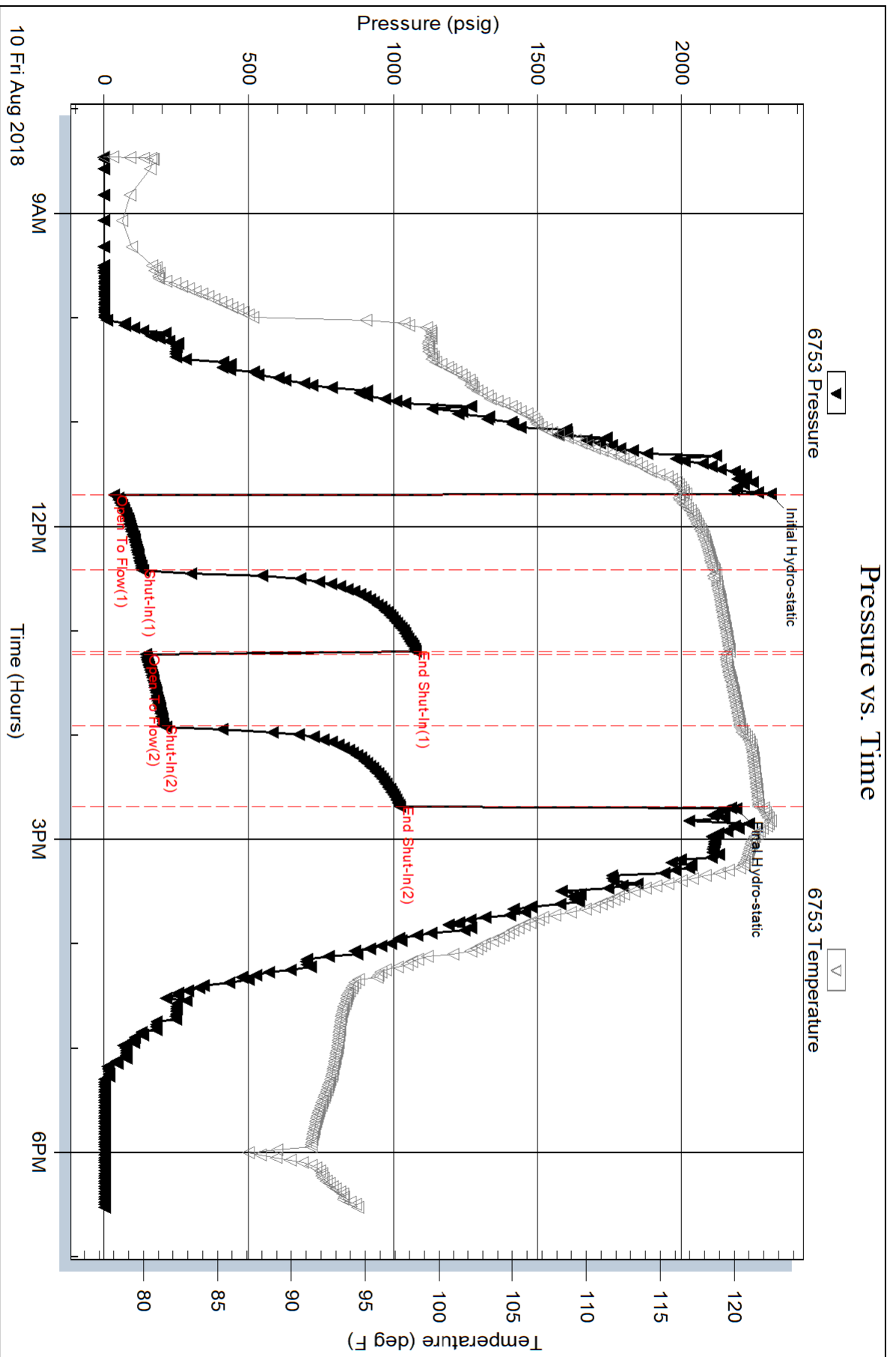
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



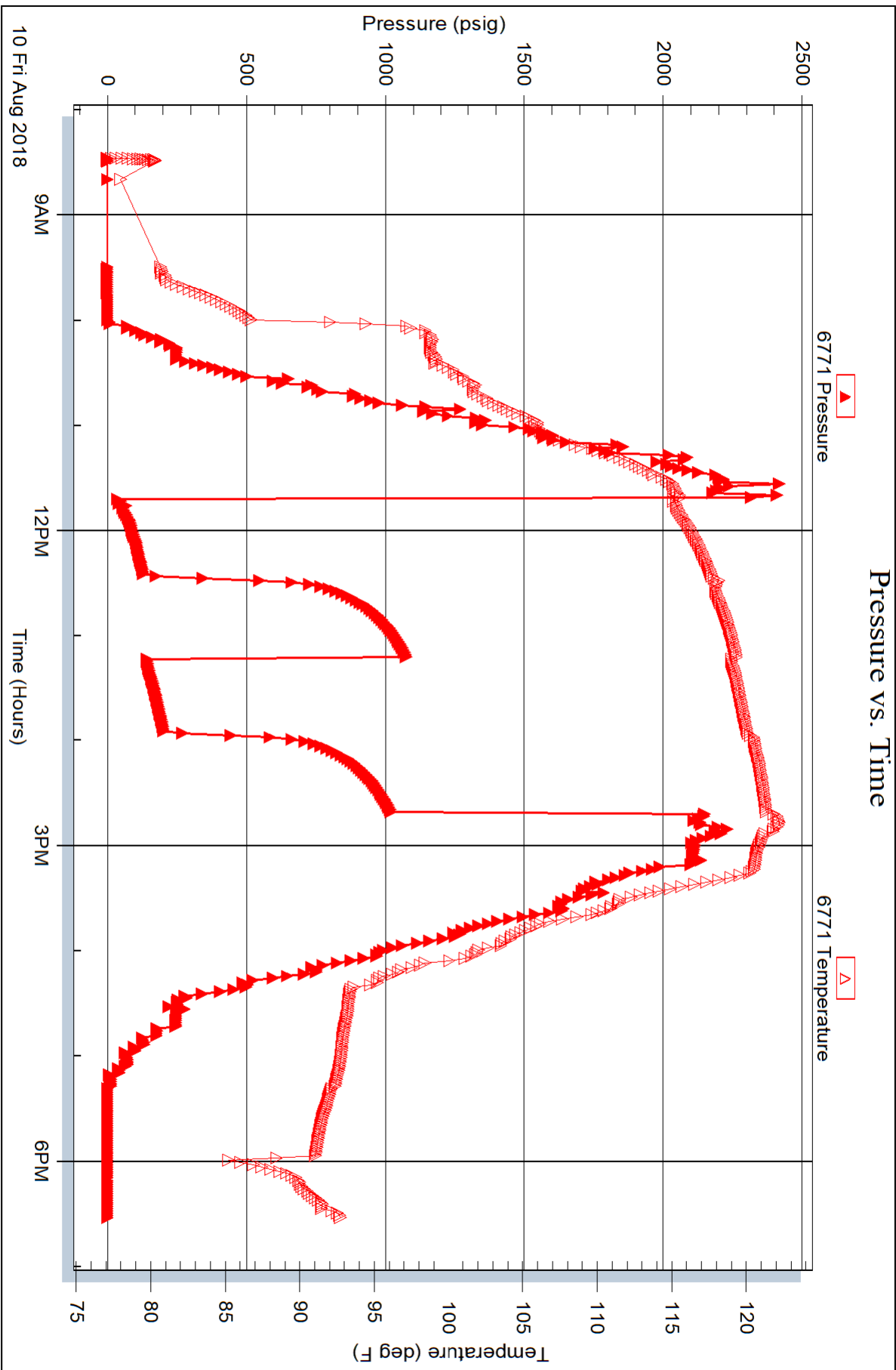
Serial #: 6771

Inside

American Warrior, Inc.

Hublin #2-10B

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **63135**

Well Name & No. Hubin #2-10B Test No. 1 Date 8/10/18  
 Company American Warrior, Inc. Elevation 2329 KB 2321 GL  
 Address 3118 Cummings Rd., PO Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. 10 Twp. 23 S Rge. 23 W Co. Hodgeman State KS

Interval Tested 4506-4579 Zone Tested Mass  
 Anchor Length 73' Drill Pipe Run 3993 Mud Wt. 9.1  
 Top Packer Depth 4501 Drill Collars Run 514 Vis 52  
 Bottom Packer Depth 4506 Wt. Pipe Run — WL 8.4  
 Total Depth 4579 Chlorides 3,900 ppm System LCM 2<sup>nd</sup>

Blow Description JF - BOB 42 mins  
RF - No blow  
FF - BOB 42 mins  
RF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>OCM</u>	<u>20</u>	<u>80</u>	<u>80</u>	<u>80</u>
<u>330</u>	<u>CCO</u>	<u>20</u>	<u>80</u>		
	<u>90' GDP</u>				

Rec Total 510 BHT 122° Gravity 31 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2306  Test 1150 T-On Location 0255  
 (B) First Initial Flow 34  Jars 250 T-Started 0827  
 (C) First Final Flow 130  Safety Joint 75 T-Open 1141  
 (D) Initial Shut-In 1078  Circ Sub \_\_\_\_\_ T-Pulled 1441  
 (E) Second Initial Flow 144  Hourly Standby \_\_\_\_\_ T-Out 1832  
 (F) Second Final Flow 204  Mileage 176 RT 176 Comments \_\_\_\_\_  
 (G) Final Shut-In 1024  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2188  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45

Sub Total 1651

Sub Total 1651

MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative  
Brannan Lonsdale

# **Geological Report**

**American Warrior, Inc.**

**Hubin #2-10 B**

**455' FSL & 2220' FWL**

**Sec. 10, T23s, R23w**

**Hodgeman County, Kansas**



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Hubin #2-10 B  
455' FSL & 2220' FWL  
Sec. 10, T23s, R23w  
Hodgeman County, Kansas  
API # 15-083-21954-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: August 3, 2018

Completion Date: August 12, 2018

Elevation 2318' G.L.  
3329' 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.

Casing: 265' 8 5/8" #23 Surface Casing  
4650' 5 1/2" #15.5 Production Casing

Samples: 4220' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "Ian Mabb"  
Stack-Micro

Drillstem Tests: One-Trilobite Testing "Brannan Lonsdale"

Problems: Initial Hubin #2-10 hole lost and skidded

**Formation Tops**  
**Hubin #2-10 B**  
**Sec. 10, T23s, R23w**  
**455' FSL & 2220' FWL**

<b>Anhydrite</b>	<b>1476' +853</b>
<b>Base</b>	<b>1510' +819</b>
<b>Heebner</b>	<b>3860' -1531</b>
<b>Lansing</b>	<b>3927' -1598</b>
<b>Stark</b>	<b>4227' -1898</b>
<b>Bkc</b>	<b>4304' -1975</b>
<b>Marmaton</b>	<b>4327' -1998</b>
<b>Pawnee</b>	<b>4416' -2087</b>
<b>Fort Scott</b>	<b>4465' -2136</b>
<b>Cherokee</b>	<b>4491' -2162</b>
<b>Basal Penn Cong</b>	<b>4529' -2200</b>
<b>Miss Warsaw</b>	<b>4552' -2223</b>
<b>RTD</b>	<b>4650' -2321</b>
<b>LTD</b>	<b>4650' -2321</b>

**Sample Zone Descriptions**

**Miss Warsaw (4570',-2241): Covered in DST #1**

Dolomite Gray. Sub crystalline. Good vuggy porosity, fair intercrystalline porosity. Very good stain. Good saturation. Fair to good show of free oil. Strong odor. 25 unit gas kick.



**Drill Stem Tests**  
Trilobite Testing  
“Brannan Lonsdale”

**DST #1**

**Miss Warsaw**

Interval (4506' – 4579') Anchor 73'

IHP - 2306 #

IFP - 45" – BOB in 42 min 34-130 #

ISI - 45" – No return 1078 #

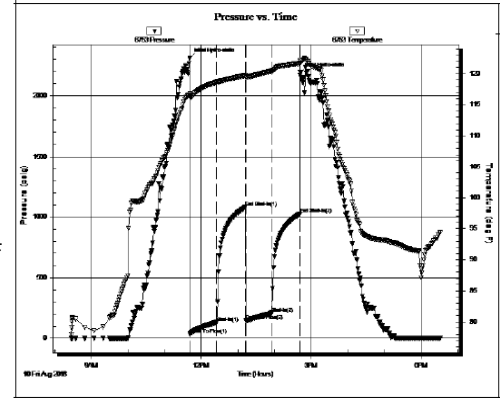
FFP - 45" – BOB in 42 min 144-204 #

FSIP - 45" - No return 1024 #

FHP - 2188 #

BHT - 122° F

Recovery: 330' CGO (80% Oil, 20% Gas)  
180' OCM (20% Oil, 80% Mud)  
90' GIP



Gravity: 31

**Structural Comparison**

Formation	American Warrior, Inc Hubin #2-10 B Sec 10, T23s, R23w 455' FSL & 2220' FWL		American Warrior Inc Hubin #1-10 Sec 10, T23s, R23w 1394' FSL & 2240' FWL		Tri-Ex Petro Hubin #1 Sec 10, T23s, R23w NA
Heebner	3860' -1531	+2	3888' -1533	+13	3888' -1544
Lansing	3927' -1598	-1	3952' -1597	+10	3952' -1608
Stark	4227' -1898	+5	4260' -1903	+17	4259' -1915
BKc	4304' -1975	+2	4332' -1977	+7	4326' -1982
Marmaton	4327' -1998	+4	4357' -2002	+8	4350' -2006
Pawnee	4416' -2087	+1	4443' -2088	+9	4440' -2096
Fort Scott	4465' -2136	+2	4493' -2138	+8	4488' -2144
Cherokee	4491' -2162	FL	4517' -2162	+8	4514' -2170
BPC	4529' -2200	FL	4555' -2200	NA	NA
Miss War.	4552' -2223	-1	4577' -2222	-1	4566' -2222

## Summary

The location for the Hubin #2-10 B 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 #2-10 B well.

### Recommended Perforations

**Primary**                      **Warsaw**                      **(4570' to 4580')**

**Before Abandonment**                      **Warsaw**                      **(4600' to 4604')**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.



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

TICKET 031761

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City KS WELL/PROJECT NO. #2-10 B LEASE Hublin COUNTY/PARISH Hodgeman STATE KS CITY Jehonore DATE 8-23-18 OWNER Same  
 2.  SERVICE CONTRACTOR Co Tools RIG NAME/NO. #5 SHIPPED VIA ET DELIVERED TO Location ORDER NO.  
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 5 1/2" Port Collar WELL PERMIT NO.  
 4. INVOICE INSTRUCTIONS

WELL LOCATION  
Jehonore - 18, 25, 25, 25, 25, 25

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1					40	mi	5.00	200.00
576 D		1		MILEAGE			1	job	1300.00	1300.00
330		1		Pump Charge - Port Collar			135	sls	16.25	2193.75
276		1		SMD Cement			1/4	lb	2.50	125.00
290		1		Flocks			2	lgt	42.00	84.00
105		1		D-Air			5 1/2	in	275.00	275.00
				Port Collar Tool Rental						
581		1		Service Charge Cement			175	sls	1.75	306.25
583		1		Drayage			348	TM	0.85	295.80

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.

DATE SIGNED 8-23-18 TIME SIGNED 11:55  A.M.  P.M.  
 X

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

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

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4779
TOTAL	20485
TOTAL	498465

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

Thank You!



SWIFT Services, Inc.

JOB TYPE Port Collect

LEASE Huber

WELL NO. #2-10B

CUSTOMER American Water

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSURE (PSI)	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
0930								on location 2 7/8" S 1/4"
0955		∅	∅	✓	1000			Pressure Test *Hold*
1000								Open P.C.
	3 1/2		4	✓	300			Injection Rate
1015	3 1/2		75	✓	400			Mix 135 sks SMD 1/4" Flo @ 11.2 ppq circulate cement to surface - *20 sks*
1035	3 1/2		<del>5</del> 5	✓	450			Displace Cement
1035	∅		∅	✓	1000			Close P.C. Test *Hold*
								Run 4 Sts
1040	3 1/2		25	✓	300			Reverse Clean
								Wash up truck
								135 sks SMD 1/4" Flo Total 20 sks to P.T.
1120								Job Complete

Thank You

Dave Fresten (videon Kirby)

