

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1331490

Form ACO-1

August 2013

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 ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ 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 ENHR ☐ Conv. to SWD
- ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer
- ☐ Commingled Permit #: \_\_\_\_\_
- ☐ Dual Completion Permit #: \_\_\_\_\_
- ☐ SWD Permit #: \_\_\_\_\_
- ☐ ENHR Permit #: \_\_\_\_\_
- ☐ GSW Permit #: \_\_\_\_\_

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

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

☐ Geologist Report Received

☐ UIC Distribution

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

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
List All E. Logs Run:					

<div style="text-align: center;"> <b>CASING RECORD</b> <input type="checkbox"/> New    <input type="checkbox"/> Used         </div> <div style="text-align: center; font-size: small;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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				

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR.			Producing Method:					
			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____					
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented    <input type="checkbox"/> Sold    <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole    <input type="checkbox"/> Perf.    <input type="checkbox"/> Dually Comp.    <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	BAMBURGER 1-7
Doc ID	1331490

#### Tops

Name	Top	Datum
Anhy	1517	+800
B/Anhy	1546	+771
Heebner	3891'	-1574
Lansing	3945	-1628
B/KC	4360	-2043
Marmaton	4380	-2063
Pawnee	4476'	-2159
Ft.Scott	4514'	-2197
Cherokee	4542'	-2225

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	BAMBURGER 1-7
Doc ID	1331490

#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	210	common	150	3%CC,2% gel



CHARGE TO: <i>American Warrior</i>
ADDRESS
CITY, STATE, ZIP CODE

TICKET 29531

PAGE	OF
1	1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <i>Hays Ks</i>	<i>1-7</i>	<i>BAMBURGER</i>	<i>Hodgeman</i>	<i>Ks</i>		<i>1-8-17</i>	
2. <i>Ness City Ks</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Discovery Drilg</i>	RIG NAME/NO. <i>Rig # 3</i>	SHIPPED VIA	DELIVERED TO <i>LOCATION</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Shallow Surface</i>	WELL PERMIT NO.	WELL LOCATION		
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 <i>TRK # 113</i>	30		Mi		5.00	150	00
577		1			Pump Charge -	1		EA		800.00	800	00
290		1			D-Air	2		Gal		42.00	84	00
325		2			STANDARD Cement	150		Sbs		12.25	1837	50
279		2			Bentonite Gel	3		Sbs		25.00	75	00
278		2			CALCIUM CHLORIDE	7		Sbs		40.00	280	00
581		2			Service Charge CMT	150		Sbs		1.50	225	00
582		2			Minimum Drayage Charge	1		EA		250.00	250	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 *David Edgerton*

DATE SIGNED TIME SIGNED ☐ A.M. ☐ P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	3701	50
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?				TAX		
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL		
<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 APPROVAL

*DAVID EDGERTON*

Thank You!

CUSTOMER  
American Warrior

WELL NO. - 7

LEASE  
RAM RYGLE

JOB TYPE  
Shallow Surface

TICKET NO. 29931

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
								RTD - 211
								Pipe - 210.25
	100							Break circ on Btm
	113	5	5			200		pump wte Spacer
	115	5	35			200		pump cmt
	125	3	12			300		Disp CMT
	130	3	12			300		CMT Displaced
								Circulated 30 cks CMT TO Pit
								THANKS DAVID, JON, Russell

PIPE

TALLY

DATE 1-7 20 17

PAGE \_\_\_\_ OF \_\_\_\_

CUSTOMER AWT LEASE & WELL NO. Brown bridge 1-7USED/NEW COND LS SIZE 8 7/8 WT 23<sup>4</sup> GRD \_\_\_\_ THD STC R- 3MFG cost 700 ORDER BY Calvin M. Gray SHIP VIA Discretionary

#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.
1	70		26			51			76			101			126		
2	70		27			52			77			102			127		
3	70		28			53			78			103			128		
4	70		29			54			79			104			129		
5	70		30			55			80			105			130		
6			31			56			81			106			131		
7			32			57			82			107			132		
8			33			58			83			108			133		
9			34			59			84			109			134		
10			35			60			85			110			135		
11			36			61			86			111			136		
12			37			62			87			112			137		
13			38			63			88			113			138		
14			39			64			89			114			139		
15			40			65			90			115			140		
16			41			66			91			116			141		
17			42			67			92			117			142		
18			43			68			93			118			143		
19			44			69			94			119			144		
20			45			70			95			120			145		
21			46			71			96			121			146		
22			47			72			97			122			147		
23			48			73			98			123			148		
24			49			74			99			124			149		
25			50			75			100			125			150		
T	203	50	T			T			T			T			T		

TALLIED BY AW TOTAL JTS 5 TOTAL FOOTAGE 203.50

SPECIAL INSTRUCTIONS \_\_\_\_\_

ORIGINAL TO REMAIN IN BOOK - DUPLICATE TO BE ATTACHED TO CUSTOMER'S INVOICE - TRIPLICATE TO BE GIVEN TO CUSTOMER'S REPRESENTATIVE AT TIME OF DELIVERY.

AP-3483-145 ASSOCIATED PRINTERS





## Cement Job Summary

Job Number: <b>Lib170114</b>		Job Purpose: <b>03 Plug</b>	
Customer: <b>American Warrior</b>			Date: <b>1/14/2017</b>
Well Name: <b>Bam Burger</b>		Number: <b>1-7</b>	
County: <b>Hodgeman</b>	City: <b>Jetmore, Kansas</b>		State: <b>Kansas</b>
Cust. Rep: <b>Galen Gaschler</b>	Phone:		Rig Phone:
Legal Desc:			Rig Name: <b>Duke Drilling#5</b>
Distance: <b>50 miles (one way)</b>		Supervisor:	<b>James Peppin</b>

Employees:	Emp. ID:	Employees:	Emp. ID:
James Peppin		Jose Calderon	
Jaime Torres			

<b>Equipment:</b>	
501 / 903-4	868-4 / 642-5

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	7 7/8	10%	1515	1,515		
OPEN HOLE	7 7/8			1,515		
OPEN HOLE	7 7/8					
OPEN HOLE	7 7/8					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,700
TUBING/DRILL PIPE	4 1/2	16.6	3.826	J-55	0	1,770
Squeeze Information						
Description:	# of Perfs	Perf/Leak Depth	Packer/Retainer Depth			
Leak	0		1770			
Perfs			1770			

Materials - Pumping Schedule					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED 40/60/4 POZ BLEND - CLASS A	220	13.84	1.41	6.80
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM

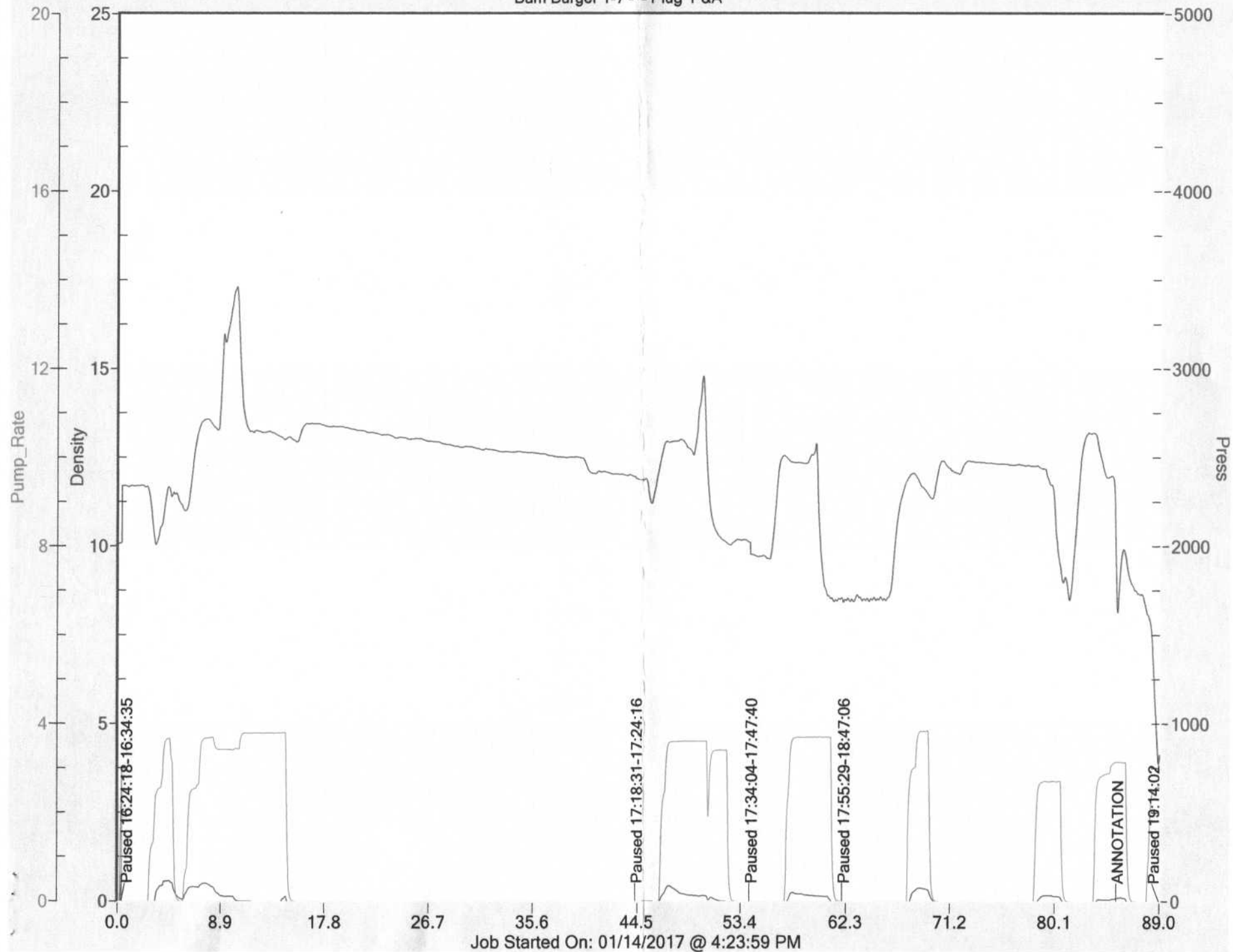
Job Number: Lib170114		Job Purpose 03 Plug			
Customer: American Warrior		Date: 1/14/2017			
Well Name: Bam Burger		Number: 1-7		API/UWI:	
County: Hodgeman		City: Jetmore, Kansas		State: Kansas	
Cust. Rep: Galen Gaschler		Phone:		Rig Phone: 0	
Distance 50 miles (one way)		Supervisor		James Peppin	
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
12:10					leave the yard
15:47					arrive on loc
16:00					safety meeting with the rig crew
					set 1 st plug @1550' w/50 sks
16:29	70		10	2	h20 ahead
16:31					batch up cmt @ 13.8 wt
16:34	80		12.6	2	pump cmt slurry



### *Cement Job Summary*

16:38	20		18.7	2	disp cmt with h20
					set 2nd plug @ 690' w/ 50 sks
17:16					batch up cmt @ 13.8 wt
17:20	110		12.6	2	pump cmt slurry
17:24	20		6.5	2	disp cmt with h20
					3rd plug @ 240' w/50 sks
17:43					batch up cmt @ 13.8 wt
17:45	50		12.6	2	pump cmt slurry
					4th plug @60 w/20 sks
18:42					batch up cmt @ 13.8 wt
18:45	40		5	2	pump cmt slurry
18:50					then batch up cmt for the Rat and
18:52	33		15	2	Mouse hole to be fill to surf
19:00					shut down and rig down and the crew and I
					thank the customer for the job

American Warrior  
Bam Burger 1-7 - - Plug P&A



Job Started On: 01/14/2017 @ 4:23:59 PM

**-PRICES AND TAXES:** All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are 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 ALLIED shall be added to the quoted prices charged to CUSTOMER.

**-TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ 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 ALLIED, will be charged to and paid by the 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 ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

**-DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'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). ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED 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 ALLIED, 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 spills, 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 ALLIED'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 ALLIED or its employees.

2). With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3). ALLIED 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). ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and services when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. CUSTOMER'S 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 ALLIED 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 ALLIED 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 ALLIED or any interpretation or tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

C). Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent, and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# **Geological Report**

**Bamburger #1-7**  
1828' FNL & 1941' FWL  
Sec. 7 T23s R23w  
Hodgeman County, Kansas



**American Warrior, Inc.**

## General Data

Well Data:	American Warrior, Inc. Bamburger #1-7 1828' FNL & 1941' FWL Sec. 7 T23s R23w Hodgeman County, Kansas API # 15-083-21930-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	January 7, 2017
Completion Date:	January 14, 2017
Elevation:	2309' Ground Level 2317' Kelly Bushing
Directions:	Jetmore KS, South edge of town, East 1/8 mi, South into location.
Casing:	220' 8 5/8" surface casing
Samples:	10' wet and dry, 4250' to RTD
Drilling Time:	3750' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Ken Swinney"
Problems:	None
Remarks:	DST #1 was pulled early due to such strong blows.

## Formation Tops

### Formation

Anhydrite  
Base  
  
Heebner  
Lansing  
BKC  
Marmaton  
Pawnee  
Fort Scott  
Cherokee  
Basil Cher Sand  
RTD

American Warrior, Inc.

Bamburger #1-7

Sec. 7 T23s R23w

1828' FNL & 1941' FWL

1517' +800

1546' +771

3891' -1574

3945' -1628

4360' -2043

4380' -2063

4476' -2159

4514' -2197

4542' -2225

4620' -2303

4635' -2318

## Sample Zone Descriptions

### Basil Cher Sand

(4620' -2303): Covered in DST #1

Ss – Quartz, frosted, fine to medium grained, sub-rounded, fairly sorted, fairly cemented with fair to good inter-granular porosity, very scattered light spotted oil stain, very slight show of free oil when broken, no odor, very dull scattered yellow fluorescents, heavily glauconitic, 31 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.

“Ken Swinney”

### DST #1 Basil Cherokee Sand

Interval (4540' – 4635') Anchor Length 95'

IHP – 2199 #

IFP – 5" – B.O.B. 30 sec. 1174-1141 #

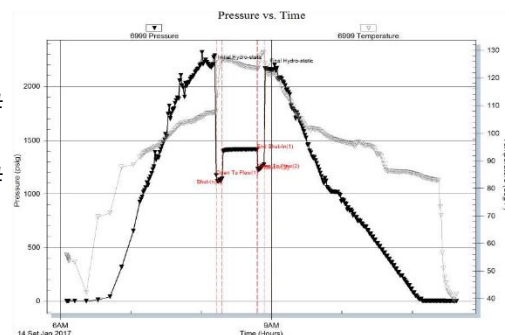
ISI – 30" – Dead 1418 #

FFP – 5" – B.O.B. 30 sec. 1235-1278 #

FHP – 2166 #

BHT – 129°F

Recovery: 2232' Muddy Water 95% Water



## Structural Comparison

Formation	American Warrior, Inc. Bamburger #1-7 Sec. 7 T23s R23w 1828' FNL & 1941' FWL	Jones-Gebert Oil, Inc. Litzenberger #1 Sec. 7 T23s R23w SW SW		American Warrior, Inc. Doll-Mabel #1-18 Sec. 18 T23s R23w 196' FSL & 1909' FEL	
Anhydrite	1517' +800	NA	NA	1618' +815	(-15)
Base	1546' +771	NA	NA	1647' +790	(-19)
Heebner	3891' -1574	3942' -1567	(-7)	4022' -1589	(+15)
Lansing	3945' -1628	3994' -1619	(-9)	4074' -1642	(+14)
BKC	4360' -2043	4400' -2025	(-18)	4492' -2059	(+16)
Marmaton	4380' -2063	4422' -2047	(-16)	4505' -2072	(+9)
Pawnee	4476' -2159	4530' -2155	(-4)	4602' -2169	(+10)
Fort Scott	4514' -2197	4566' -2191	(-6)	4638' -2205	(+8)
Cherokee	4542' -2225	4592' -2217	(-8)	4665' -2232	(+7)
Basil Cher Sand	4620' -2303	4682' -2307	(+4)	4746' -2313	(+10)
Mississippian	Not Reached	4704' -2329	NR	4783' -2350	NR

## Summary

The location for the Bamburger #1-7 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the Bamburger #1-7 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.





## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd  
Garden City, KS 67846

ATTN: Jason Alm

### **Bamberger #1-7**

#### **7-23s-23w Hodgeman,KS**

Start Date: 2017.01.14 @ 06:05:00

End Date: 2017.01.14 @ 11:37:30

Job Ticket #: 63695                      DST #: 1

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

Printed: 2017.01.17 @ 14:15:42

American Warrior Inc.

7-23s-23w Hodgeman,KS

Bamberger #1-7

DST # 1

Cherokee Sand

2017.01.14



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc.

**7-23s-23w Hodgeman, KS**

3118 Cummings Rd  
Garden City, KS 67846

**Bamberger #1-7**

Job Ticket: 63695

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.01.14 @ 06:05:00

### GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:30

Time Test Ended: 11:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

**Interval: 4540.00 ft (KB) To 4635.00 ft (KB) (TVD)**

Reference Elevations: 2317.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

2309.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6999 Inside**

Press@RunDepth: 1140.62 psig @ 4631.33 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.14

End Date:

2017.01.14

Last Calib.: 2017.01.14

Start Time: 06:05:05

End Time:

11:37:29

Time On Btm: 2017.01.14 @ 08:10:00

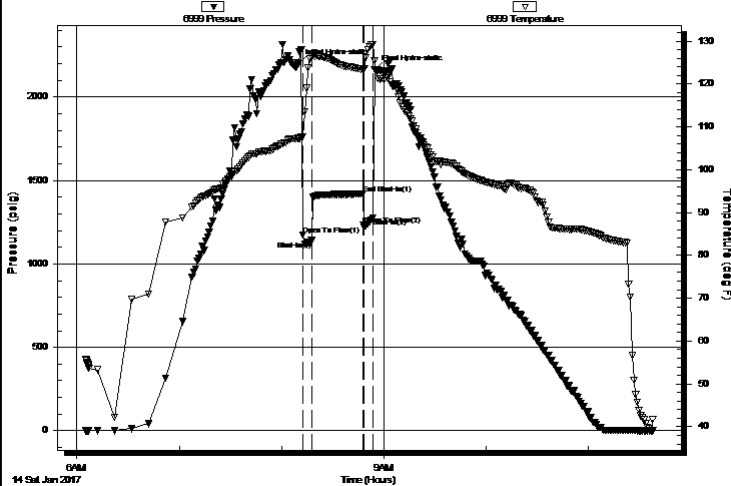
Time Off Btm: 2017.01.14 @ 08:54:30

TEST COMMENT: I.F. 5 Minutes/Blow built to bottom of bucket in 30 seconds  
I.S.I. 30 Minutes/No blow back  
F.F. 5 Minutes/Blow built to bottom of bucket in 30 seconds  
Pull test

### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.39	107.31	Initial Hydro-static
3	1173.75	107.68	Open To Flow (1)
8	1140.62	126.35	Shut-In(1)
38	1417.91	123.39	End Shut-In(1)
38	1235.21	123.40	Open To Flow (2)
44	1277.73	129.24	Shut-In(2)
45	2165.52	125.38	Final Hydro-static

### Pressure vs. Time



### Recovery

Length (ft)	Description	Volume (bbl)
2232.00	MW Mud 5% Water 95%	31.04

### Gas Rates

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

## DRILL STEM TEST REPORT

American Warrior Inc.

**7-23s-23w Hodgeman,KS**

3118 Cummings Rd  
Garden City, KS 67846

**Bamberger #1-7**

Job Ticket: 63695

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.01.14 @ 06:05:00

### GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:30

Time Test Ended: 11:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

**Interval: 4540.00 ft (KB) To 4635.00 ft (KB) (TVD)**

Reference Elevations: 2317.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

2309.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8960 Outside**

Press@RunDepth: 1414.96 psig @ 4632.33 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.14

End Date:

2017.01.14

Last Calib.: 2017.01.14

Start Time: 06:05:05

End Time:

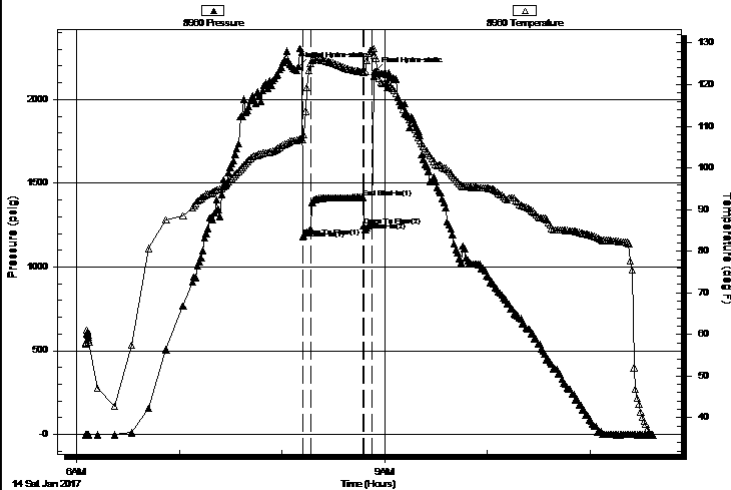
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Time On Btm: 2017.01.14 @ 08:09:30

Time Off Btm: 2017.01.14 @ 08:54:00

TEST COMMENT: I.F. 5 Minutes/Blow built to bottom of bucket in 30 seconds  
I.S.I. 30 Minutes/No blow back  
F.F. 5 Minutes/Blow built to bottom of bucket in 30 seconds  
Pull test

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.71	106.73	Initial Hydro-static
3	1179.17	106.76	Open To Flow (1)
7	1224.01	125.01	Shut-In(1)
38	1414.96	123.08	End Shut-In(1)
38	1243.42	122.93	Open To Flow (2)
43	1268.46	128.42	Shut-In(2)
45	2168.23	126.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2232.00	MW Mud 5% Water 95%	31.04

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

American Warrior Inc.

**7-23s-23w Hodgeman, KS**

3118 Cummings Rd  
Garden City, KS 67846

**Bamberger #1-7**

Job Ticket: 63695

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.01.14 @ 06:05:00

### Tool Information

Drill Pipe:	Length:	4500.00 ft	Diameter:	3.80 inches	Volume:	63.12 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:	20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	78000.00 lb
					Total Volume:	63.27 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft							
Depth to Top Packer:	4540.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	95.33 ft							
Tool Length:	123.33 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

### Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00		4517.00	
Hydraulic tool	5.00		4522.00	
Jars	6.00		4528.00	
Safety Joint	2.00		4530.00	
Top Packer	5.00		4535.00	
Packer	5.00		4540.00	28.00 Bottom Of Top Packer
Anchor	25.00		4565.00	
Change Over Sub	1.00		4566.00	
Drill Pipe	63.33		4629.33	
Change Over Sub	1.00		4630.33	
Recorder	1.00	6999	Inside	4631.33
Recorder	1.00	8960	Outside	4632.33
Bullnose	3.00		4635.33	95.33 Anchor Tool

**Total Tool Length: 123.33**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Inc.

**7-23s-23w Hodgeman, KS**

3118 Cummings Rd  
Garden City, KS 67846

**Bamberger #1-7**

Job Ticket: 63695

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.01.14 @ 06:05:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.20 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 21000 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2232.00	MW Mud 5% Water 95%	31.036

Total Length: 2232.00 ft      Total Volume: 31.036 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .532 ohms @ 44 deg.

Serial #: 6999

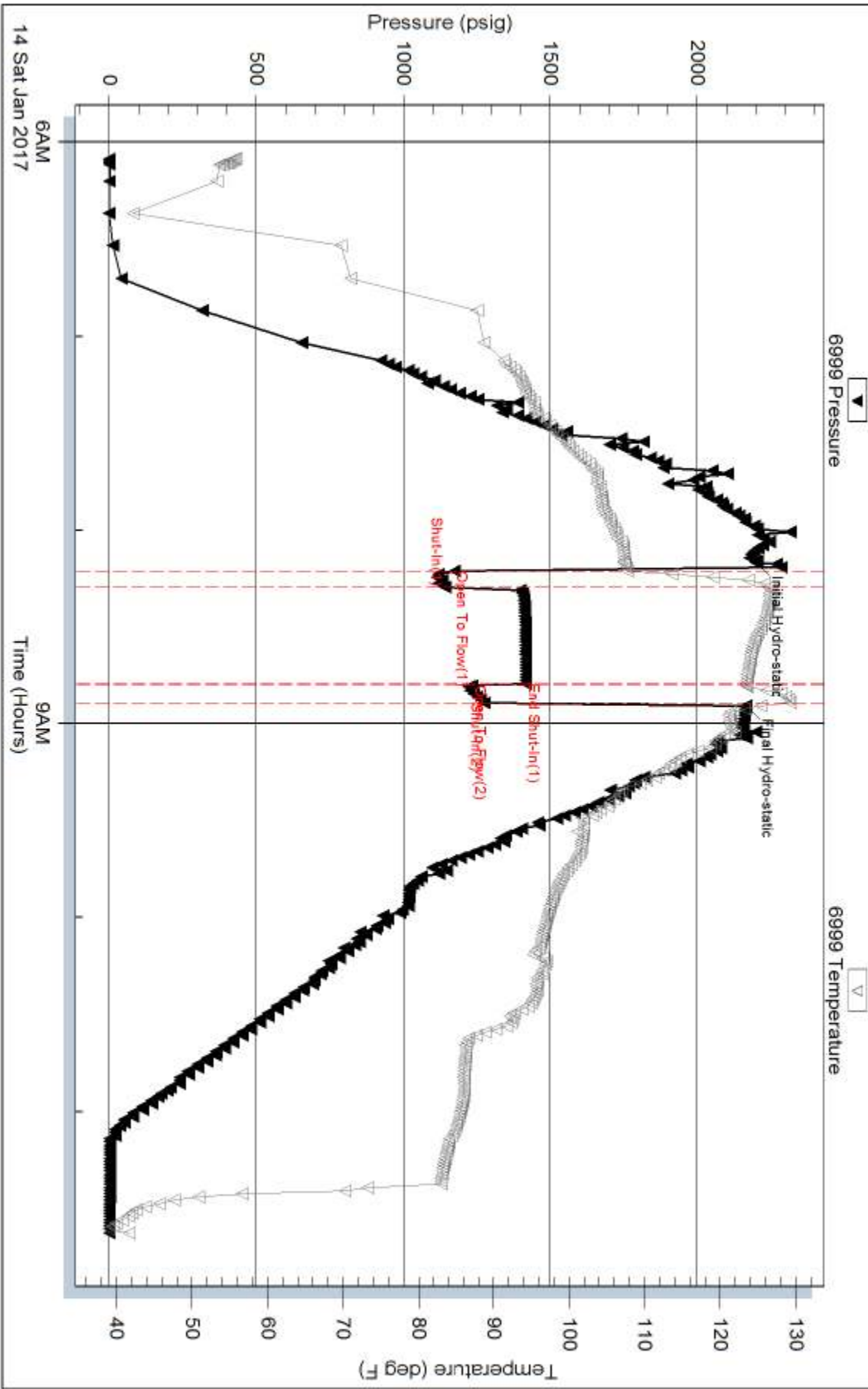
Inside

American Warrior Inc.

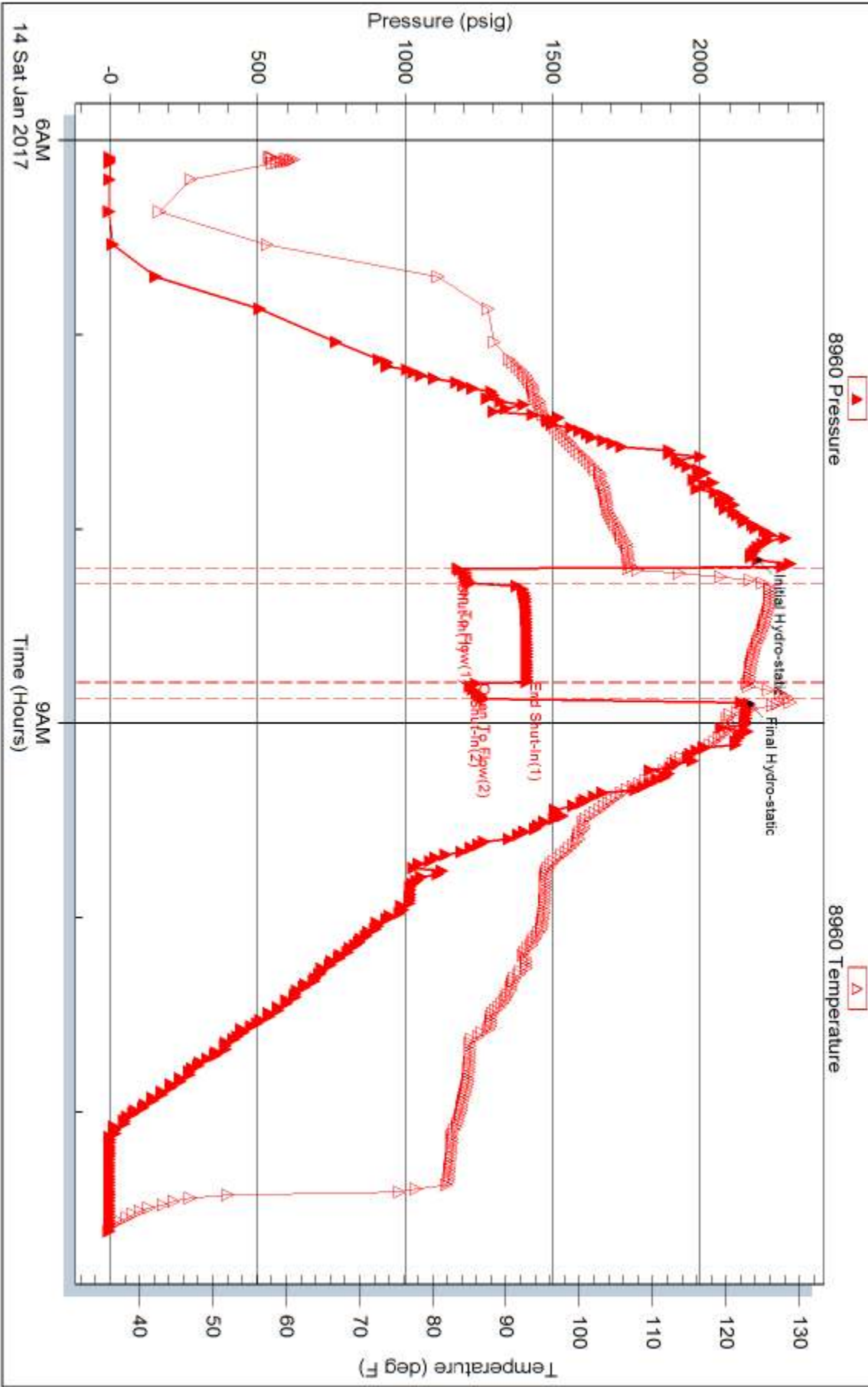
Bamberger #1-7

DST Test Number: 1

# Pressure vs. Time



Pressure vs. Time







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **63695**

Well Name & No. Bamberger #1-7 Test No. 1 Date 14 Jan 17  
 Company Bamberger #1-7 American Warrior Inc Elevation 2317 KB 2309 GL  
 Address PO Box 399/318 Cummings Rd Garden City KS 67846  
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 3  
 Location: Sec. 7 Twp. 23S Rge. 23W Co. Hodgeman State KS

Interval Tested 4540-4635 Zone Tested Cherokee Sand  
 Anchor Length 95 Drill Pipe Run 4500 Mud Wt. 9.3  
 Top Packer Depth 4535 Drill Collars Run 30 Vis 47  
 Bottom Packer Depth 4540 Wt. Pipe Run — WL 7.2  
 Total Depth 4635 Chlorides 5800 ppm System LCM 2#

Blow Description I.F. Blow built to bottom of bucket in 30 seconds

I.S.I No blow back

I.F. Blow built to bottom of bucket in 30 seconds

Pull test

Rec	Feet of	%gas	%oil	%water	%mud
<u>2232</u>	<u>Muddy Water</u>			<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2232 BHT 129 Gravity — API RW .532 @ 44 °F Chlorides 21000 ppm

(A) Initial Hydrostatic 2199  
 (B) First Initial Flow 1173  
 (C) First Final Flow 1140  
 (D) Initial Shut-In 1417  
 (E) Second Initial Flow 1235  
 (F) Second Final Flow 1277  
 (G) Final Shut-In —  
 (H) Final Hydrostatic 2165

☒ Test 1150  
☒ Jars 250  
☒ Safety Joint 75  
☐ Circ Sub —  
☐ Hourly Standby —  
☒ Mileage 138 103.50  
☐ Sampler —  
☐ Straddle —  
☐ Shale Packer —  
☐ Extra Packer —  
☐ Extra Recorder —  
☐ Day Standby —  
☐ Accessibility —  
 Sub Total 1578.50

T-On Location 5:28 am  
 T-Started 6:05 am  
 T-Open 8:13 am  
 T-Pulled 8:53 am  
 T-Out 11:38 am

Comments —

☐ Ruined Shale Packer —  
☐ Ruined Packer —

☐ Extra Copies —

Sub Total 0

Total 1578.50

MP/DST Disc't —

Initial Open 5  
 Initial Shut-In 30  
 Final Flow 5  
 Final Shut-In —

Approved By [Signature]

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.