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ORIGINAL

11/01/13

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058  
Name: American Warrior Inc.  
Address 1: P.O. Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: Ks. Zip: 67846 + \_\_\_\_\_  
Contact Person: Jody Smith  
Phone: ( 620 ) 275-2963  
CONTRACTOR: License # 5929  
Name: Duke Drilling  
Wellsite Geologist: Harley Sayles  
Purchaser: NCRA

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SLOW
- 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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

<u>8/16/11</u>	<u>8/23/11</u>	<u>9/27/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 083-21723 · 00 · 00

Spot Description: \_\_\_\_\_  
NW SE NE NE Sec. 31 Twp. 21 S. R. 24  East  West  
950 Feet from  North /  South Line of Section  
597 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: Hodgeman  
Lease Name: Laforce Well #: 1-31  
Field Name: Hummel

Producing Formation: Mississippian  
Elevation: Ground: 2377' Kelly Bushing: 2388'  
Total Depth: 4614' Plug Back Total Depth: 4580'  
Amount of Surface Pipe Set and Cemented at: 224' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1583' Feet  
If Alternate II completion, cement circulated from: 1583'  
feet depth to: surface w/ 130sx sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 15,000 ppm Fluid volume: 280bbl bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: KCC WICHITA  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]  
Title: Foreman Date: 9/29/11

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: 11-01-11 - 11-01-13
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NS Date: 11-7-11

Operator Name: American Warrior Inc. Lease Name: Laforce Well #: 1-31  
 Sec. 31 Twp. 21 S. R. 24  East  West County: Hodgeman

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Induction, Porosity and micro.</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhy</td> <td>1611'</td> <td>+777</td> </tr> <tr> <td>B/Anhy</td> <td>1647'</td> <td>+741</td> </tr> <tr> <td>Heebner</td> <td>3831'</td> <td>-1443</td> </tr> <tr> <td>Lansing</td> <td>3882'</td> <td>-1494</td> </tr> <tr> <td>Ft.Scott</td> <td>4400</td> <td>-2012</td> </tr> <tr> <td>Cherokee</td> <td>4427'</td> <td>-2039</td> </tr> <tr> <td>Mississippian</td> <td>4498'</td> <td>-2110</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhy	1611'	+777	B/Anhy	1647'	+741	Heebner	3831'	-1443	Lansing	3882'	-1494	Ft.Scott	4400	-2012	Cherokee	4427'	-2039	Mississippian	4498'	-2110
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Cherokee	4427'	-2039																										
Mississippian	4498'	-2110																										

CASING RECORD <input checked="" 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
Surface	121/4	85/8	23#	224'	Common	150sx	3%CC,2%gel
Production	77/8	51/2	17#	4600'	EA-2	125sx	

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				

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
4	4505' to 4513'	500 gal 15%MCA	
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TUBING RECORD: Size: <u>23/8</u> Set At: <u>4577'</u> Packer At: <u>None</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>NA</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>10</u>	Gas Mcf <u>0</u>	Water Bbls. <u>100</u>
		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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4505' to 4513'</u>
---	--	---



CHARGE TO: **AMERICAN WARRIOR**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

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TICKET

No 22257

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. **NESS CITY, KS.** WELL/PROJECT NO. **LA FORCE 1-31** LEASE **HODGEMAN** COUNTY/PARISH **KS.** CITY **JETMORE, KS.** DATE **1 SEP 11** OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR **AMERICAN WARRIOR RIG #1** RIG NAME/NO. SHIPPED VIA **LOCATION** DELIVERED TO  
 3. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **PERF SQUEEZE / PORT COLLAR** WELL PERMIT NO. WELL LOCATION **NTD RD V1W152W2S**  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS **2 1/2 W, N/E TOTO**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE #110	30	ml	6	100	180
578		1			PUMP CHARGE	1	JOB	1500	100	1500
300		1			REGULAR ACID	250	gal	15%	140	350
235		1			LUNA B-1	1/2	gal	35	100	17.50
105		1			PORT COLLAR OPENING TOOL	1	JOB	350	100	350
276		1			FLOCELE	33	lbs	2	100	66
286		1			HALAD-1	40	lbs	7	100	300
290		1			D-AIR	2	gal	35	100	70
325		1			STANDARD CEMENT	75	sk	13	100	1012.50
330		1			SWIFT MULTI DENSITY	130	sk	16	150	2145
581		1			SERVICE CHARGE CEMENT	250	sk	2	100	500
583		1			DRAYAGE	24434	lbs	366.51	TM	3166.51

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**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 *Joc*  
 DATE SIGNED **1 SEP 11** TIME SIGNED **1430**  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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6857.51
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?	<input type="checkbox"/> YES <input type="checkbox"/> NO			<i>Hodgeman</i> TAX 7.45% 293.79
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL 7151.30

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

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE: SEP 11 PAGE NO.

CUSTOMER: AMERICAN WARRIOR WELL NO. LEASE: LA FORCE 1-31 JOB-TYPE: VERF Squeeze / Port Collar TICKET NO. 22257

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
	0850	3	17 1/2	✓				CIRCULATE ACID TO BOTTOM (6 ACID · 11 1/2 H <sub>2</sub> O) PULL PACKER TO 4395
	0920			✓		400		TREAT WELL - STAGING
				✓		600		
				✓		800		
		1/2		✓		500		TREATING.
		3		✓		1200		
		4		✓		1400		
	0927	∅	23 1/2	✓		VAC		ISCP.
	1026	3		✓		700		TAKE I.D.S. RATE.
	1033	3	15 1/2	✓		300		MIX 75 SX STANDARD
	1042							WASH OUT PUMPING LINES.
	1044	3						START DISPLACEMENT
	1048	∅	11	✓		VAC		SHUT WELL IN
	1049							WASH TRUCK
	1130		2	✓				OPEN VALVE. Suck 2 BAR
				✓		1500		STAGING
	1137	2	825	✓		850		REVERSE CEMENT OUT.
								PULL TUBING / RUN TUBING.
	1318			✓		1000		TEST - HELD. - PORT COLLAR @ 1583
	1320	3		✓		400		OPEN PORT COLLAR TAKE INJECTION RATE
	1322	4	72	✓		500		MIX 130 SX SMTD
		3	5	✓		400		DISPLACEMENT - CIRCULATE 20 SX TO PIT
	1342							CLOSE PORT COLLAR
	1343			✓		1000		TEST - HELD
								RUN 4 JOINTS.
	1352	3	12	✓		300		REVERSE CEMENT OUT
	1355							WASH TRUCK
	1430							JOB COMPLETE

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THANKS #110  
JASON JEFF JOE

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

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TICKET  
 21076  
 PAGE 1 OF 2

SERVICE LOCATIONS 1. Ness City KS WELL/PROJECT NO. 1-31 LEASE Inforce COUNTY/PARISH Hodgeman STATE KS CITY Jetmore DATE 24 AUG 11 OWNER  
 2. TICKET TYPE  SERVICE CONTRACTOR ACE RIG NAME/NO. 5 SHIPPED VET DELIVERED TO location ORDER NO.  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string 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 TRK 114	25	mi			6.00	150.00
578		1			Pump Charge	1	ea			1500.00	1500.00
402		1			Centralizer	5 1/2	in	9	ea	70.00	630.00
403		1			Cement Basket	5 1/2	in	2	ea	250.00	500.00
404		1			Box Collar	5 1/2	in	1	ea	2400.00	2400.00
406		1			Lock Down Plug + Baffle	5 1/2	in	1	ea	250.00	250.00
407		1			Insert float shoe w/ AUTO PILE	5 1/2	in	1	ea	350.00	350.00
419		1			Rotating head Rental	5 1/2	in	1	ea	200.00	200.00

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

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

X  
 DATE SIGNED 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	980.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	5160.25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	11,140.25
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.45%	662.77
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,809.02

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

SWIFT OPERATOR RCJ APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 21076

CUSTOMER American Warrior  
WELK Laforce 1-31  
DATE 24 AUG 11  
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT. 3	DE			QTY.	U/M	QTY.	U/M			
325		1				STD cements (for SA-2)	175	sk			13.50	2362	50
284		1				calseal	800	lb	8	sk	35.00	280	00
283		1				salt	900	lb			0.20	180	00
292		1				halad-322	125	lb			7.75	968	75
276		1				Flacela	50	lb			2.00	100	00
281		1				mutflush	500	gal			1.25	625	00
221		1				KCL liquid	2	gal			25.00	50	00
587		1				Minimum Drayage	1	cu			250.00	250	00
581		1				SERVICE CHARGE					2.50	350	00

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MILEAGE CHARGE: 183.25  
TOTAL WEIGHT: 18325  
LOADED MILES:  
TON MILES:

CONTINUATION TOTAL 5291.25

JOB LOG

SWIFT Services, Inc.

DATE: 24 AUG 11 PAGE NO. 1

CUSTOMER: American Warrior

WELL NO. 131

LEASE LA Force

JOB TYPE Cement logging

TICKET NO. 21076

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 5 1/2' 17" casing Bret Collar # 84 1583' RTD 4615' 127 jts 4600' shoe joint 4600' Cont 1, 3, 5, 7, 9, 11, 13 83, 85 Basket 13, 84
	0845							on loc TRK 114
	0910							start 5 1/2" 17" casing in well
	1115							Drop ball circulate - ROTATE -
	1200	4 3/4	12				200	Pump 500gal mid flush
		4 3/4	20				200	Pump 20 bbl RCL fluids
	1210		7					Plug RH-MH <del>30sk</del> - <del>20sk</del>
	1215	4 3/4	41				250	mix <del>125 sks</del> EA-2 @ 15.3 ppg
	1225							Drop latch down plug wash pump & line
	1230	<del>6 3/4</del>	<del>0</del>				250	Dis place plug
		6 3/4	95				800	
	1245	6 3/4	106				1600	LAND plug Release pressure to truck - dried up
	1250							wash truck KCC
								rack up KCC WICHITA
	1320							job complete Joe Blain & Dave

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# ALLIED CEMENTING CO., LLC. 037343

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend KS

DATE <u>8-16-11</u>	SEC. <u>31</u>	TWP. <u>21S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00pm</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>LaForce</u>	WELL # <u>1-31</u>	LOCATION <u>Johns Creek 3w to Rd 215 Gn</u>			COUNTY <u>Hodgeman</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		to RS <u>2 1/2 W n mt</u>					

CONTRACTOR Duke Reg #5 OWNER American Warrior, Inc  
TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>225</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>225</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>225</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15qt left in casing</u>	
PERFS.	
DISPLACEMENT <u>Freshwater</u>	

CEMENT  
AMOUNT ORDERED 150yd com 3%ce 2%gel

COMMON <u>150</u>	@ <u>16.25</u>	<u>2,437.50</u>
POZMIX	@	
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>5</u>	@ <u>58.20</u>	<u>291.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>158</u>	@ <u>2.25</u>	<u>355.50</u>
MILEAGE <u>158 x 20 x .11</u>		<u>347.60</u>
TOTAL		<u>3495.35</u>

EQUIPMENT  
PUMP TRUCK CEMENTER Bob R.  
# 398 HELPER Trint H  
BULK TRUCK  
# 341 DRIVER Bob R.  
BULK TRUCK  
# DRIVER

**REMARKS:**

Pipe on bottom break circulation with 5x mud. mix 150yd common 3%ce 2%gel with 23.75 bbls water. Cement did circulate. Displace with 13.37 bbls disp. shut in rig down.

CHARGE TO: American Warrior  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB <u>225</u>	
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>Hum 20</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD	@

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TOTAL 1265.00

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer 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 Kenneth McGuire  
SIGNATURE Kenneth McGuire  
Thank you

SALES TAX (If Any)	
TOTAL CHARGES <u>4760.35</u>	
DISCOUNT <u>20%</u> <u>952.07</u>	IF PAID IN 30 DAYS
<u>3808.28</u>	



# Geological Report

American Warrior Inc.  
**LaForce #1-31**  
950' FNL & 597' FEL  
Sec. 31 T21s R24w  
Hodgeman County, Kansas



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**American Warrior, Inc.**

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## General Data

Well Data: American Warrior, Inc.  
LaForce #1-31  
950' FNL & 597' FEL  
Sec. 31 T21s R24w  
Hodgeman County, Kansas  
API # 15-083-21723-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Harley Sayles

Spud Date: August 16, 2011

Completion Date: August 23, 2011

Elevation: 2377' Ground Level  
2388' Kelly Bushing

Directions: Jetmore KS, West on Hwy 156 3.2 mi to 215 Rd.  
North on 215 Rd 6 mi. Then West 2.6 mi on S Rd.  
North and Northeast 1.2 mi into location.

Casing: 23# 8 5/8" surface casing @ 225 with 150 sacks  
Class A, 3% CC, 2% gel, Allied ticket #37343,  
production casing set @ 4600

Samples: 10' wet and dry, 3800' to RTD

Drilling Time: 3700' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual  
Compensated Porosity

Drillstem Tests: One, "Dustin Rash"

Problems: None

Remarks: None

## Formation Tops

Formation	American Warrior, Inc. LaForce #1-31 Sec. 31 T21s R24w 950' FNL & 597' FEL
Anhydrite	1611', +777
Base	1647', +741
Heebner	3831', -1443
Lansing	3882', -1494
Stark	4155', -1767
BKc	4252', -1864
Marmaton	4276', -1888
Pawnee	4367', -1979
Fort Scott	4400', -2012
Cherokee	4427', -2039
Mississippian	4498', -2110
Osage	4537', -2149
LTD	4614', -2226

### Sample Zone Descriptions

**Mississippian Warsaw (4498', -2110):** Covered in DST #1

Dolo- Tan, fine to medium crystalline, fair to good vuggy porosity, fair sucrosic intercrystalline porosity, good show of free oil, good odor, good to complete saturation and stain, good yellow florescence, very slightly glauconitic, 8 unit gas kick

**Drill Stem Tests**  
 Trilobite Testing Inc.  
 "Dustin Rash"

**DST #1**

**Mississippian Warsaw**

Interval (4506' – 4525') Anchor Length 19'

IHP	– 2303 #	
IFP	– 45" – BOB in 31 min	23-207 #
ISI	– 45" – Blow back built to 1 1/4"	696 #
FFP	– 45" – BOB in 44 min	225-255 #
FSIP	– 45" – No return	698 #
FHP	– 2374	
BHT	– 129°F	

Recovery: 164' GIP  
 140' SMCGO (20% Gas, 75% Oil, 5% Mud)  
 183' SGWCMO (10% Gas, 40% Oil, 10% Water, 40% Mud)  
 122' SGMCWO (10% Gas, 50% Oil, 30% Water, 10% Mud)

**Structural Comparison**

	American Warrior, Inc. LaForce #1-31 Sec. 31 T21s R24w 950' FNL & 597' FEL	Beardmore Oil, Co. Wright 'B' #1 Sec. 31 T21s R24w 660' FNL & 1980' FEL	Zorger Petroleum, Co. Crouse #1 Sec. 32 T21s R24w 660' FNL & 660' FWL	
<b>Formation</b>				
Anhydrite	1611', +777	N/A	1597', +762	(+15)
Base	1647', +741	N/A	1629', +730	(+11)
Heebner	3831', -1443	3817', -1443	3828', -1469	(+26)
Lansing	3882', -1494	3869', -1495	3877', -1518	(+24)
Stark	4155', -1767	4152', -1773	4152', -1788	(+21)
BKc	4252', -1864	4238', -1864	4254', -1895	(+31)
Marmaton	4276', -1888	4265', -1891	4288', -1929	(+41)
Pawnee	4367', -1979	4357', -1978	4369', -2010	(+31)
Fort Scott	4400', -2012	4392', -2018	4407', -2048	(+36)
Cherokee	4427', -2039	4417', -2038	4430', -2071	(+32)
Mississippian	4498', -2110	4484', -2110	4505', -2146	(+36)
Osage	4537', -2149	4526', -2147	N/A	N/A
LTD	4614', -2226	4580', -2206	4570', -2211	

## Summary

The location for the LaForce #1-31 well 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 positive. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the LaForce #1-31 well.

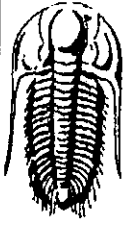
## Recommended Perforations

**Mississippian:** (4505' – 4513') **DST #1**

**Perf and Squeeze:** (4518' – 4520')

Respectfully Submitted,

Harley K. Sayles  
American Warrior Inc.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior, Inc.  
P.O. Box 399  
Garden City, KS 67846  
ATTN: Harley Sayles

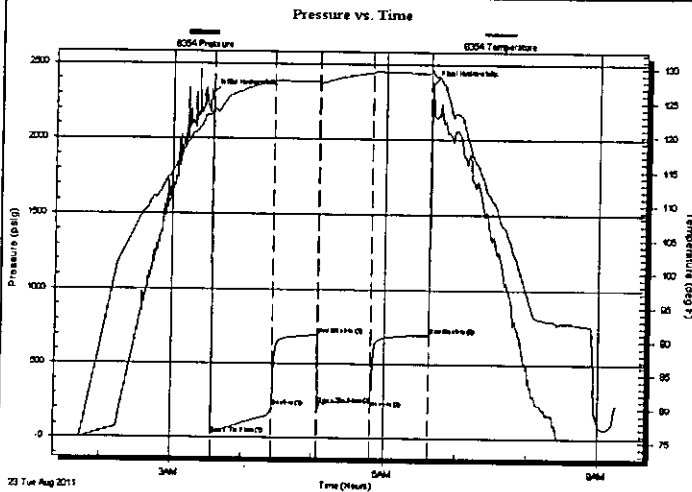
**LaForce #1-31**  
**31/21S/24W-Hodgeman**  
Job Ticket: 45231      DST#: 1  
Test Start: 2011.08.23 @ 01:33:30

### GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 03:34:30  
Time Test Ended: 09:17:00  
Interval: **4506.00 ft (KB) To 4525.00 ft (KB) (TVD)**  
Total Depth: **4525.00 ft (KB) (TVD)**  
Hole Diameter: **7.85 inches** Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 38  
Reference Elevations: 2388.00 ft (KB)  
2377.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8354**      Inside  
Press@RunDepth: 254.59 psig @ 4508.00 ft (KB)  
Start Date: 2011.08.23      End Date: 2011.08.23  
Start Time: 01:43:30      End Time: 09:17:00  
Capacity: 8000.00 psig  
Last Calib.: 2011.08.23  
Time On Btm: 2011.08.23 @ 03:34:00  
Time Off Btm: 2011.08.23 @ 06:39:00

TEST COMMENT: IF-Weak building blow . BOB in 31 minutes.  
ISI-Return @ 1 minute. Built to 1&1/4 inches.  
FF-Weak building blow . BOB in 44 minutes.  
FS-No Return.



### PRESSURE SUMMARY

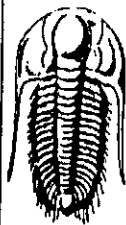
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.51	123.43	Initial Hydro-static
1	22.65	123.33	Open To Flow (1)
53	207.26	127.94	Shut-in(1)
90	696.41	128.00	End Shut-in(1)
91	224.92	127.73	Open To Flow (2)
135	254.59	129.36	Shut-in(2)
184	697.88	129.26	End Shut-in(2)
185	2373.65	129.71	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
122.00	50%Oil/30%Water/10%Gas/10%Mud	0.60
183.00	40%Oil/40%Mud/10%Gas/10%Water	0.90
140.00	75%Oil/20%Gas/5%Mud	1.69
0.00	164' 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.

LaForce #1-31

P.O. Box 399  
Garden City, KS 67846

31/21S/24W-Hodgeman

Job Ticket: 45231

DST#: 1

ATTN: Harley Sayles

Test Start: 2011.08.23 @ 01:33:30

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	50%Oil/30%Water/10%Gas/10%Mud	0.600
183.00	40%Oil/40%Mud/10%Gas/10%Water	0.900
140.00	75%Oil/20%Gas/5%Mud	1.691
0.00	164' GIP	0.000

Total Length: 445.00 ft      Total Volume: 3.191 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 164'- G.I.P.

