



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1099125  
OIL & GAS CONSERVATION DIVISION

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
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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: \_\_\_\_\_



1099125

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  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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Family Farm 3-9
Doc ID	1099125

Tops

Name	Top	Datum
Anhy	1451'	+920
B/Anhy	1467'	+904
Heebner	3964'	-1593
Lansing	4066'	-1695
Stark	4299'	-1928
B/KC	4414'	-2043
Marmaton	4438'	-2067
Ft.Scott	4578'	-2207
Mississippian	4644'	-2273

# ALLIED OIL & GAS SERVICES, LLC 053747

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

G-curt Bend

Family Farm

DATE <u>10-4-12</u>	SEC <u>9</u>	TWP. <u>24</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>11:45 AM</u>	JOB FINISH <u>12:15 PM</u>
LEASE <u>Farm</u>	WELL# <u>3-9</u>	LOCATION <u>St Mary Church</u>			COUNTY <u>Hodgson</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1/2 East South 1-20</u>					

CONTRACTOR Duke S OWNER American Waucho

TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 224  
 CASING SIZE 8 3/4 DEPTH 224  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT

CEMENT  
 AMOUNT ORDERED 150 SK Class A  
+ 3% salt + 2% gel

CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 13.31 BBHs

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	

EQUIPMENT  
 PUMP TRUCK CEMENTER Wayne Davis  
 # 310 HELPER Kevin Eddy  
 BULK TRUCK  
 # 341 DRIVER Kevin W  
 BULK TRUCK  
 # DRIVER

HANDLING	<u>168.07</u>	@ <u>2.48</u>	<u>401.28</u>
MILEAGE	<u>7.4 x 454</u>	@ <u>2.60</u>	<u>865.80</u>

TOTAL 4,342.98

REMARKS:

Pipe on Bottom Break circulation  
with Rig mud  
Run 3 BBHs Ahead  
Mix 150 SK class A + 3% salt + 2% gel  
Displace 13.31 BBHs fresh H<sub>2</sub>O  
Cement circulated  
Shut in Rig Down

333-

SERVICE

DEPTH OF JOB	<u>224</u>		
PUMP TRUCK CHARGE			<u>1512.25</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>Hvm 45</u>	@ <u>7.90</u>	<u>346.50</u>
MANIFOLD	<u>hvm 45</u>	@ <u>4.40</u>	<u>198.00</u>

TOTAL 2,056.75

CHARGE TO: American Waucho

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any)	<u>229.10</u>
TOTAL CHARGES	<u>6,399.22</u>
DISCOUNT	<u>258 1,599.22</u>
	<u>4,799.80</u>

PRINTED NAME KENNETH M. COVINE

SIGNATURE Kenneth M. Covine

IF PAID IN 30 DAYS



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

TICKET  
 No 23363

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>3-9</u>	LEASE <u>Family Farms</u>	COUNTY/PARISH <u>Hodgeman</u>	STATE <u>KS</u>	CITY <u>Houston</u>	DATE <u>10-11-12</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilling</u>	RIG NAME/NO. <u>"5"</u>	SHIPPED VIACT	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL PERMIT NO.		WELL LOCATION <u>Houston KS, 8S, 4E, 2S, 1/2 E, Sink</u>	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			U/M				
575		1			MILEAGE TRK # 114			50	mi	6 <sup>00</sup>	300 <sup>00</sup>
578		1			Pump Charge			1	job	1500 <sup>00</sup>	1500 <sup>00</sup>
402		1			Centralizer			5 1/2	lin	8 <sup>00</sup>	560 <sup>00</sup>
403		1			Cement Basket			5 1/2	lin	2 <sup>00</sup>	500 <sup>00</sup>
406		1			Latch Down Plug + Baffle			5 1/2	in	1 <sup>00</sup>	250 <sup>00</sup>
405		1			Formation Packer Shoe			5 1/2	in	1 <sup>00</sup>	1400 <sup>00</sup>
404		1			Port Collar			5 1/2	in	1 <sup>00</sup>	2400 <sup>00</sup>

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

X

DATE SIGNED 10-11-12 TIME SIGNED 8:00  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?				41	6910	00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	5444	38
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				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	13,080	48

sub total 1,335.438  
 TAX 7.2610  
 Hodgeman 7.45

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!



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

TICKET CONTINUATION

TICKET No. 23363

CUSTOMER American Warrior WELL Family Farms 3-9 DATE 10-11-12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT.	DF.			QTY.	UOM	QTY.	UOM	PRICE	AMOUNT
325		1				Standard Cement			175	skts	13 50	2362 50
284		1				Calson	5	%	8	skts	35 00	280 00
283		1				Salt	10	%	900	lbs	00 20	180 00
292		1				Halad - 322	3/4	%	125	lbs	7 75	968 75
281		1				Mud Flush			500	gals	1 25	625 00
221		1				Liquid KCL			2	gal	25 00	50 00
290		1				D-Air			2	gal	35 00	70 00
276		1				Floccle	1/4	lbs	50	lbs	2 00	100 00
581		1				SERVICE CHARGE					2 00	350 00
583		1				MILEAGE CHARGE	TOTAL WEIGHT 18325	LOADED MILES 20	TON MILES 458.13		1 00	458 13

CONTINUATION TOTAL 5444.30

**JOB LOG**

**SWIFT Services, Inc.**

DATE 10-11-12 PAGE NO.

CUSTOMER American Warrior WELL NO. 3-9 LEASE Family Farm JOB TYPE Cement 5 1/2" Longstring TICKET NO. 23363

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								RTD-4657 TP-4641 Packer shoe @ 4653 Shoe Jt #1-21.9 P.C. - 1444 top of #78 Centralizers - #1" 2" 3" 4" 5" 6" 7" 7" 7" Basket - #8" #78 casing - 5 1/2" 15.5"
	1930							on location
	2115							Start 5 1/2" 15.5" casing in well
	2325							circulate
	2330							Drop ball
	2355					1100		Set Packer shoe
	2355	6 3/4	12		✓	300		Pump 500 gal Mud flush
		6 3/4	20		✓	300		Pump 20 bbl KCl flush
			>5					Plug RH - MH (30sks - 20sks)
0012	0005	4 1/2	30		✓	200		Mix 125sks EA-2 1/4" Fl @ 15.5 ppm
								wash out pump + lines Drop Latch Down Plug
	0025	6 3/4			✓	Ø		Start Displacement
	0045	6 3/4	95			800		
	0110	6 3/4	110			1500		Land Latch Down Plug Release PSI Held
	0050 0115							wash up truck
	0130							Job Complete

Thank you  
Dave Blaine TJ Isaac



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

TICKET NO. **23484**

PAGE 1 OF

SERVICE LOCATIONS: 1. NESS CITY, KS

WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
	<u>FAMILY FARMS 3-9</u>	<u>HODGEMAN</u>	<u>KS</u>	<u>HANSTON KS</u>	<u>19 OCT 12</u>	
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>CO TOOL</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
WELL TYPE <u>CEL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>CEMENT PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION <u>KS, 4E, 2S, 1/4E, STW</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
<u>575</u>					MILEAGE <u>B115</u>	<u>50</u>	<u>mi</u>	<u>6.00</u>		<u>300.00</u>
<u>576D</u>					Pump CHARGE	<u>1</u>	<u>DR</u>	<u>1257.00</u>		<u>1257.00</u>
<u>105</u>					PORT COLLAR C/PEN MILK TUB	<u>1</u>	<u>DR</u>	<u>352.00</u>		<u>352.00</u>
<u>272</u>					FLUENCE	<u>35</u>	<u>lbs</u>	<u>2.00</u>		<u>70.00</u>
<u>290</u>					D-AIR	<u>1</u>	<u>SAL</u>	<u>35.00</u>		<u>35.00</u>
<u>336</u>					SWIFT MULTI DENSITY	<u>1.35</u>	<u>SA</u>	<u>16.50</u>		<u>2227.50</u>
<u>331</u>					CEMENT SERVICE CHARGE	<u>1.15</u>	<u>SA</u>	<u>3.00</u>		<u>3.45</u>
<u>583</u>					DRAINAGE	<u>17354</u>	<u>ft</u>	<u>25.00</u>		<u>433850.00</u>

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

X  
 DATE SIGNED 19 OCT 12 TIME SIGNED 19 OCT 12  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	<u>5017</u>	<u>10</u>
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 [Signature] APPROVAL

**Thank You!**



**JOB LOG**

**SWIFT Services, Inc.**

DATE 19 OCT 12 PAGE NO.

CUSTOMER  
**AMERICAN WARRIOR**

WELL NO.

LEASE

**FAMILY FARMS 3-9**

JOB TYPE

**CEMENT PORT COLLAR**

TICKET NO.

**23484**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							C/N LOCATION PORT COLLAR @ 1444
	1333				✓		1000	TEST - HELD
	1335	3			✓		300	OPEN PORT COLLAR - TAKE INS RATE
	1348	4½	75	✓		500		MIX 135sx5MD
		3	4½	✓		300		DISPLACE CEMENT CIRCULATE 20sx TO PIT
	1410				✓		1000	CLOSE PORT COLLAR - TEST - HELD  RUN 4 JTS.
	1418	4½	18		✓		400	REVERSE CEMENT OUT OF TUBING
	1428							WASH TRUCK
	1500							JOB COMPLETE  THANKS #115  JASON SEFF ROB

# **Geological Report**

American Warrior, Inc.

**Family Farm #3-9**

1050' FNL & 2100' FWL

Sec. 9, T24s, R21w

Hodgeman County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Family Farm #3-9  
1050' FNL & 2100' FWL  
Sec. 9, T24s, R21w  
Hodgeman County, Kansas  
API # 15-083-21852-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: October 4, 2012

Completion Date: October 11, 2012

Elevation 2360' G.L.  
2371' K.B.

Directions: From the NW side of Hanston, KS at the intersection of Hwy 156 & Spearville Rd. Go South 8 miles on Spearville Rd to H Rd. Now go 4 miles East on H Rd to 232 Rd. Now go 2 miles South on 232 Rd to F Rd. Now go .3 miles East on F Rd and South into location.

Casing: #23 8 5/8" surface casing @ 224 with 150 sacks Class A, 3% c.c, 2% gel. #15.5 5 1/2" production casing @ 4650 with 125 sacks EA-2. Port collar @ 1444.

Samples: 3900' to RTD 10' Wet & Dry

Drilling Time: 3900' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Ryan Reynolds"

Problems: None

## Formation Tops

	<p><b>American Warrior, Inc.</b>  <b>Family Farm #3-9</b>  <b>Sec. 9, T24s, R21w</b>  <b>1050' FNL &amp; 2100' FWL</b></p>
<b>Formation</b>	
Anhydrite	1451' +920
Base	1467' +904
Heebner	3964' -1593
Douglas	3990' -1619
Lansing	4066' -1695
Stark	4299' -1928
BKC	4414' -2043
Marmaton	4438' -2067
Altamont	4455' -2084
Pawnee	4538' -2167
Fort Scott	4578' -2207
Cherokee	4605' -2234
Mississippian	4644' -2273
Osage	4652' -2281
RTD	4657' -2286

## Sample Zone Descriptions

- Altamont 'A' (4455' -2084):** Covered in DST #1  
Limestone tan. Sub to fine crystalline. Pin point porosity. Scattered stain. Slight odor. No show of free oil.  
15 unit gas kick.
- Mississippian Osage (4652' -2281)** Covered in DST #2  
Chert- White. Triptolitic. Scattered pin point vuggy porosity and poor intercrystalline porosity. Fair to good stain. Fair saturation and show of free oil.  
175 unit gas kick.

**Drill Stem Tests**  
Trilobite Testing Inc.  
"Bradley Walter"

**DST #1**

**Marmaton Altamont 'A'**

Interval (4440' – 4470') Anchor Length 30'

IHP	- 2229 #	
IFP	- 30" – ¼" blow dead in 26 min	16-21 #
ISI	- 30" – No return	61 #
FFP	- 10" – ¼" blow dead in 8 min	19-23 #
FSIP	- Pull tool	NA
FHP	- 2210 #	
BHT	- 118° F	

Recovery: 10' GOCM (12% Oil, 7% Gas, 81% Mud )

**DST #2**

**Mississippian Osage**

Interval (4619' – 4656') Anchor Length 37'

IHP	- 2390 #	
IFP	- 30" – ¼" to 2" blow	17-37 #
ISI	- 30" – No return	1341 #
FFP	- 30" – ¼" to 2" blow	41-53 #
FSIP	- 30" – No return	1337 #
FHP	- 2318 #	
BHT	- 118° F	

Recovery: 100' GIP  
20' OCM (7% Oil, 93% Mud)  
60' GOCM (24% Oil, 4% Gas, 72% Mud)

## Structural Comparison

	<b>American Warrior, Inc. Family Farm #3-9 Sec. 9, T24s, R21w 1050' FNL &amp; 2100' FWL</b>	American Warrior, Inc. Family Farm #1-9 Sec. 9, T24s, R21w 1100' FNL & 1700' FWL		James W Hershberger Strecker A #2 Sec 9, T24s, R21w 4620' FSL & 3300 FEL	
<b>Formation</b>					
Anhydrite	1451' +920	1450' +920	-	NA	NA
Base	1467' +904	1481' +889	NA	NA	NA
Heebner	3964' -1593	3960' -1590	-3	3954' -1587	-6
Douglas	3990' -1619	3987' -1617	-2	NA	NA
Lansing	4066' -1695	4059' -1689	-6	4052' -1685	-10
Stark	4299' -1928	4288' -1918	-10	NA	NA
BKC	4414' -2043	4408' -2038	-5	4414' -2047	-4
Marmaton	4438' -2067	4430' -2060	-7	4419' -2052	-15
Altamont	4455' -2084	4446' -2076	-8	NA	NA
Pawnee	4538' -2167	4531' -2161	-6	NA	NA
Fort Scott	4578' -2207	4576' -2206	-1	4566' -2199	-8
Cherokee	4605' -2234	4603' -2233	-1	4598' -2231	-3
Miss.	4644' -2273	4649' -2279	+6	4636' -2269	-4
Osage	4652' -2281	4660' -2285	+4	4648' -2281	-

## Summary

The location for the Family Farm #3-9 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted which one was positive. After all gathered data had been examined the decision was made to run 5 ½" production casing to further evaluate the Family Farm #3-9 well.

### Packer Shoe Set at 4653'

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.





## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

3118 Cummings Rd.  
Garden City, KS 67846

ATTN: Kevin Timson

### **Family Farms #3-9**

#### **9-24s-21w Hodgeman,KS**

Start Date: 2012.10.09 @ 20:40:37

End Date: 2012.10.10 @ 02:51:52

Job Ticket #: 49578                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.11 @ 15:19:41









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior  
3118 Cummings Rd.  
Garden City, KS 67846  
ATTN: Kevin Timson

**9-24s-21w Hodgeman, KS**  
**Family Farms #3-9**  
Job Ticket: 49578      **DST#: 1**  
Test Start: 2012.10.09 @ 20:40:37

**Tool Information**

Drill Pipe:	Length: 4143.00 ft	Diameter: 3.80 inches	Volume: 58.12 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4440.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.50 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4418.00	
Hydraulic tool	5.00			4423.00	
Jars	5.00			4428.00	
Safety Joint	2.00			4430.00	
Packer	5.00			4435.00	27.00      Bottom Of Top Packer
Packer	5.00			4440.00	
Stubb	1.00			4441.00	
Recorder	0.00	8790	Inside	4441.00	
Recorder	0.00	8792	Outside	4441.00	
Perforations	26.00			4467.00	
Bullnose	3.00			4470.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior

**9-24s-21w Hodgeman, KS**

3118 Cummings Rd.  
Garden City, KS 67846

**Family Farms #3-9**

Job Ticket: 49578

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2012.10.09 @ 20:40:37

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3900 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	GOCM 7%gas, 12%oil, 81%mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

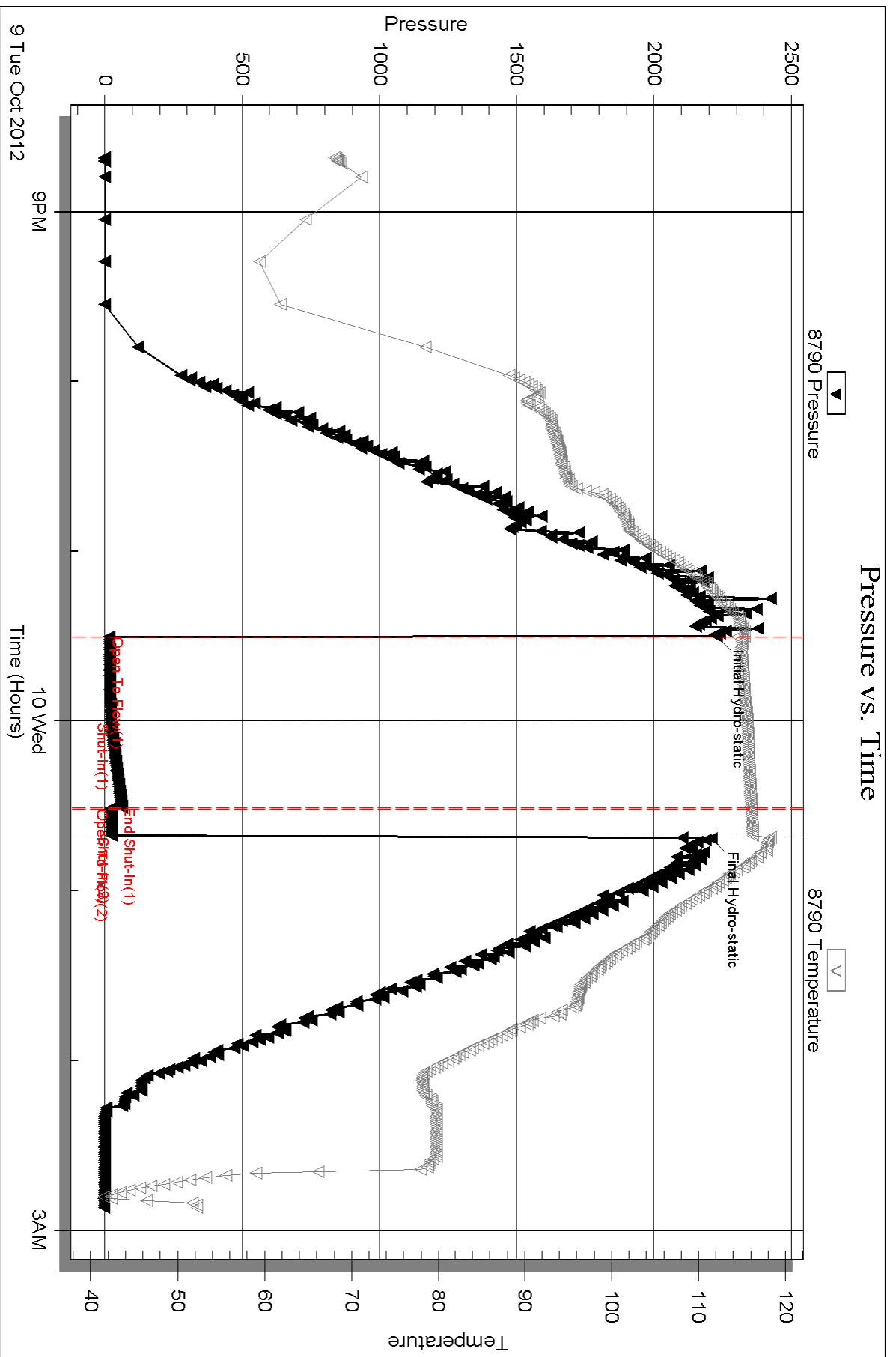
Serial #: 8790

Inside

American Warrior

Family Farms #3-9

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49578

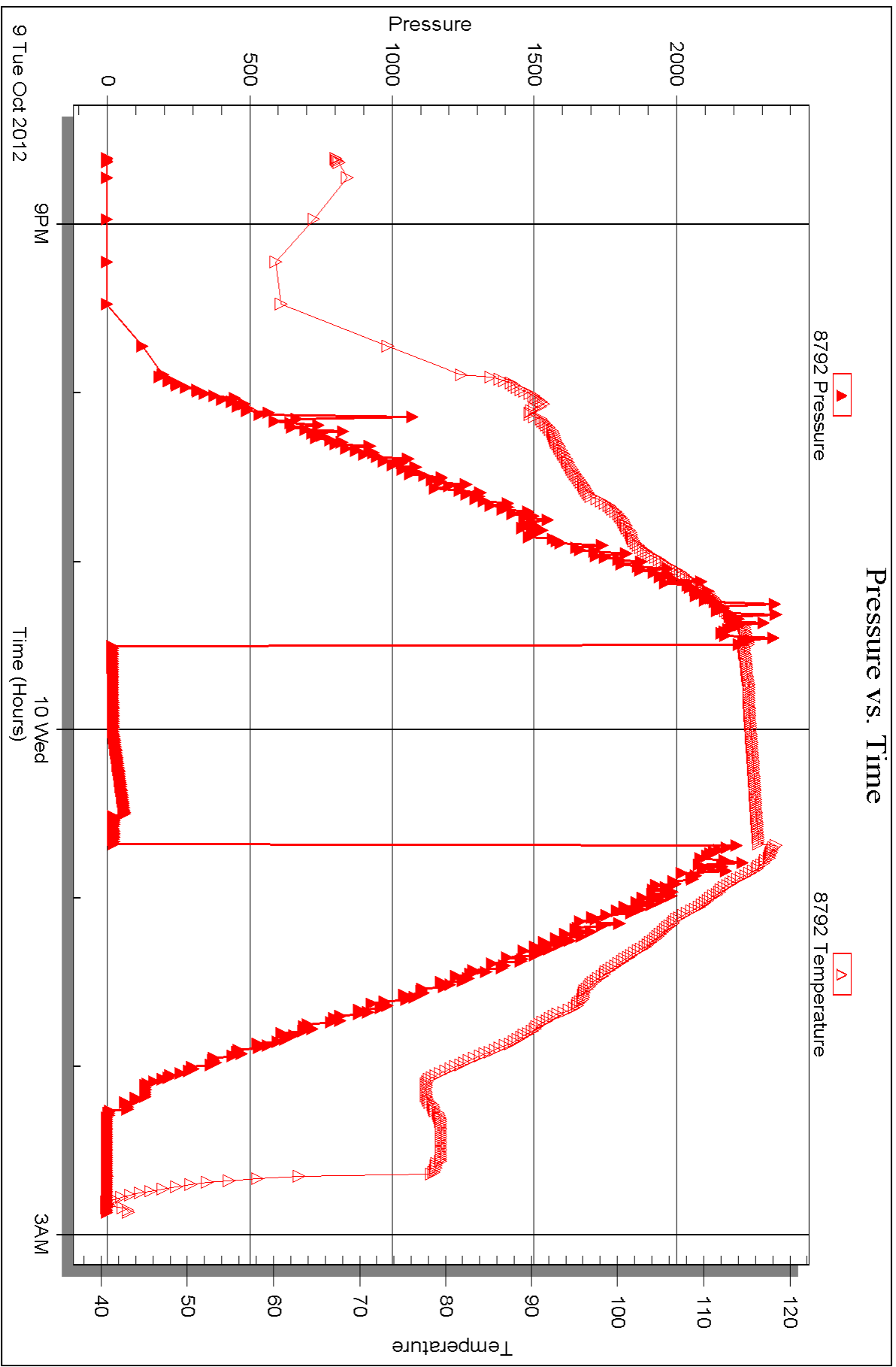
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Serial #: 8792

Outside American Warrior

Family Farms #3-9

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49578

Printed: 2012.10.11 @ 15:19:46



## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

3118 Cummings Rd.  
Garden City, KS 67846

ATTN: Kevin Timson

### **Family Farms #3-9**

#### **9-24s-21w Hodgeman,KS**

Start Date: 2012.10.11 @ 02:49:30

End Date: 2012.10.11 @ 09:43:30

Job Ticket #: 49579                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.11 @ 15:18:43



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior  
 3118 Cummings Rd.  
 Garden City, KS 67846  
 ATTN: Kevin Timson

**9-24s-21w Hodgeman, KS**  
**Family Farms #3-9**  
 Job Ticket: 49579      **DST#: 2**  
 Test Start: 2012.10.11 @ 02:49:30

## GENERAL INFORMATION:

Formation: **Miss. Osage**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:18:45  
 Time Test Ended: 09:43:30  
 Interval: **4619.00 ft (KB) To 4656.00 ft (KB) (TVD)**  
 Total Depth: 4656.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ryan Reynolds  
 Unit No: 48  
 Reference Elevations: 2371.00 ft (KB)  
 2360.00 ft (CF)  
 KB to GR/CF: 11.00 ft

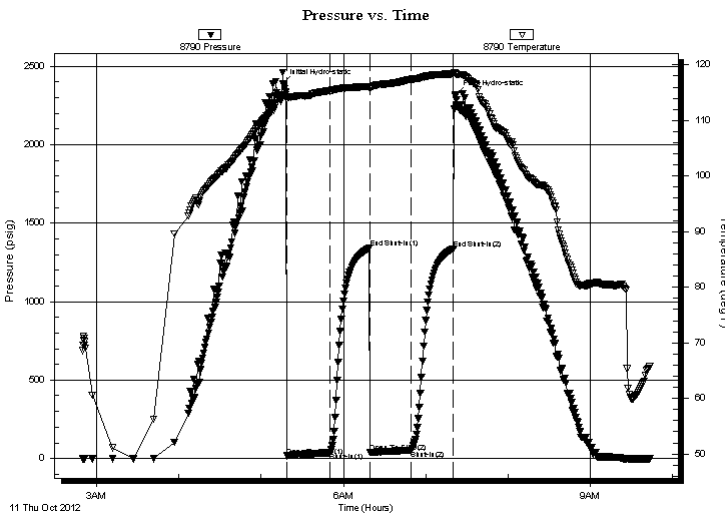
## Serial #: 8790

Inside

Press @ Run Depth: 53.21 psig @ 4620.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.10.11      End Date: 2012.10.11      Last Calib.: 2012.10.11  
 Start Time: 02:49:35      End Time: 09:43:29      Time On Btm: 2012.10.11 @ 05:16:00  
 Time Off Btm: 2012.10.11 @ 07:22:00

TEST COMMENT: IF: Weak blow . 1/4" - 2"  
 IS: No blow  
 FF: Weak blow 1/4" - 2"  
 FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.66	114.40	Initial Hydro-static
3	16.86	113.70	Open To Flow (1)
34	36.70	115.37	Shut-In(1)
63	1341.08	116.14	End Shut-In(1)
64	41.22	115.73	Open To Flow (2)
94	53.21	117.39	Shut-In(2)
125	1337.34	118.40	End Shut-In(2)
126	2318.48	118.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 4%gas, 24%oil, 72%mud	0.30
20.00	OCM 7%oil, 93%mud	0.10

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior  
3118 Cummings Rd.  
Garden City, KS 67846  
ATTN: Kevin Timson

**9-24s-21w Hodgeman, KS**  
**Family Farms #3-9**  
Job Ticket: 49579      **DST#: 2**  
Test Start: 2012.10.11 @ 02:49:30

**Tool Information**

Drill Pipe:	Length: 4332.00 ft	Diameter: 3.80 inches	Volume: 60.77 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	83000.00 lb
			<u>Total Volume: 62.15 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	79000.00 lb
Depth to Top Packer:	4619.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter:	6.50 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			4597.00	
Hydraulic tool	5.00			4602.00	
Jars	5.00			4607.00	
Safety Joint	2.00			4609.00	
Packer	5.00			4614.00	27.00      Bottom Of Top Packer
Packer	5.00			4619.00	
Stubb	1.00			4620.00	
Recorder	0.00	8790	Inside	4620.00	
Recorder	0.00	8792	Outside	4620.00	
Perforations	33.00			4653.00	
Bullnose	3.00			4656.00	37.00      Bottom Packers & Anchor

**Total Tool Length: 64.00**



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

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior

**9-24s-21w Hodgeman, KS**

3118 Cummings Rd.  
Garden City, KS 67846

**Family Farms #3-9**

Job Ticket: 49579

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2012.10.11 @ 02:49:30

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

4400 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GOCM 4%gas, 24%oil, 72%mud	0.295
20.00	OCM 7%oil, 93%mud	0.098

Total Length: 80.00 ft

Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

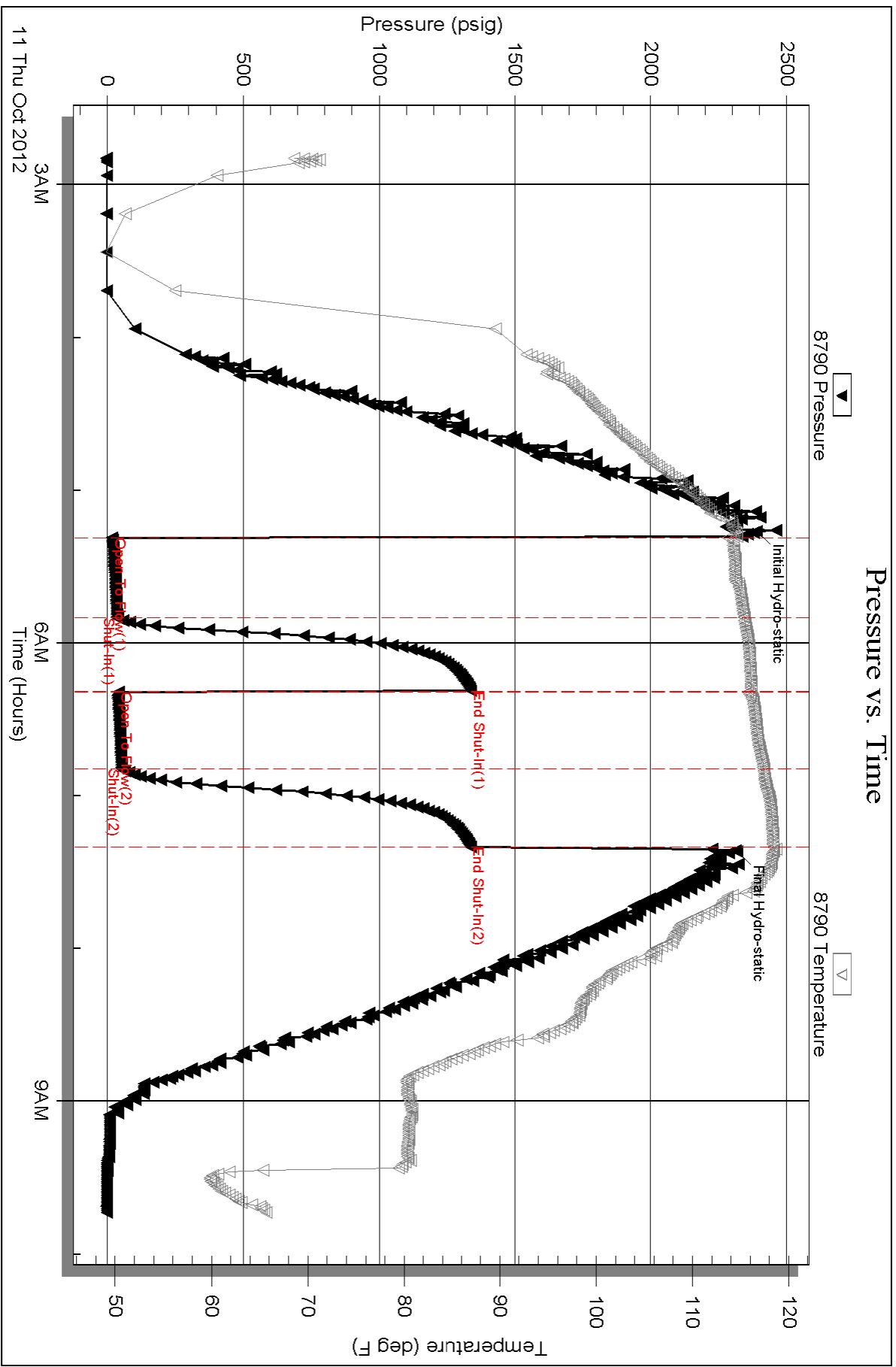
Serial #: 8790

Inside

American Warrior

Family Farms #3-9

DST Test Number: 2

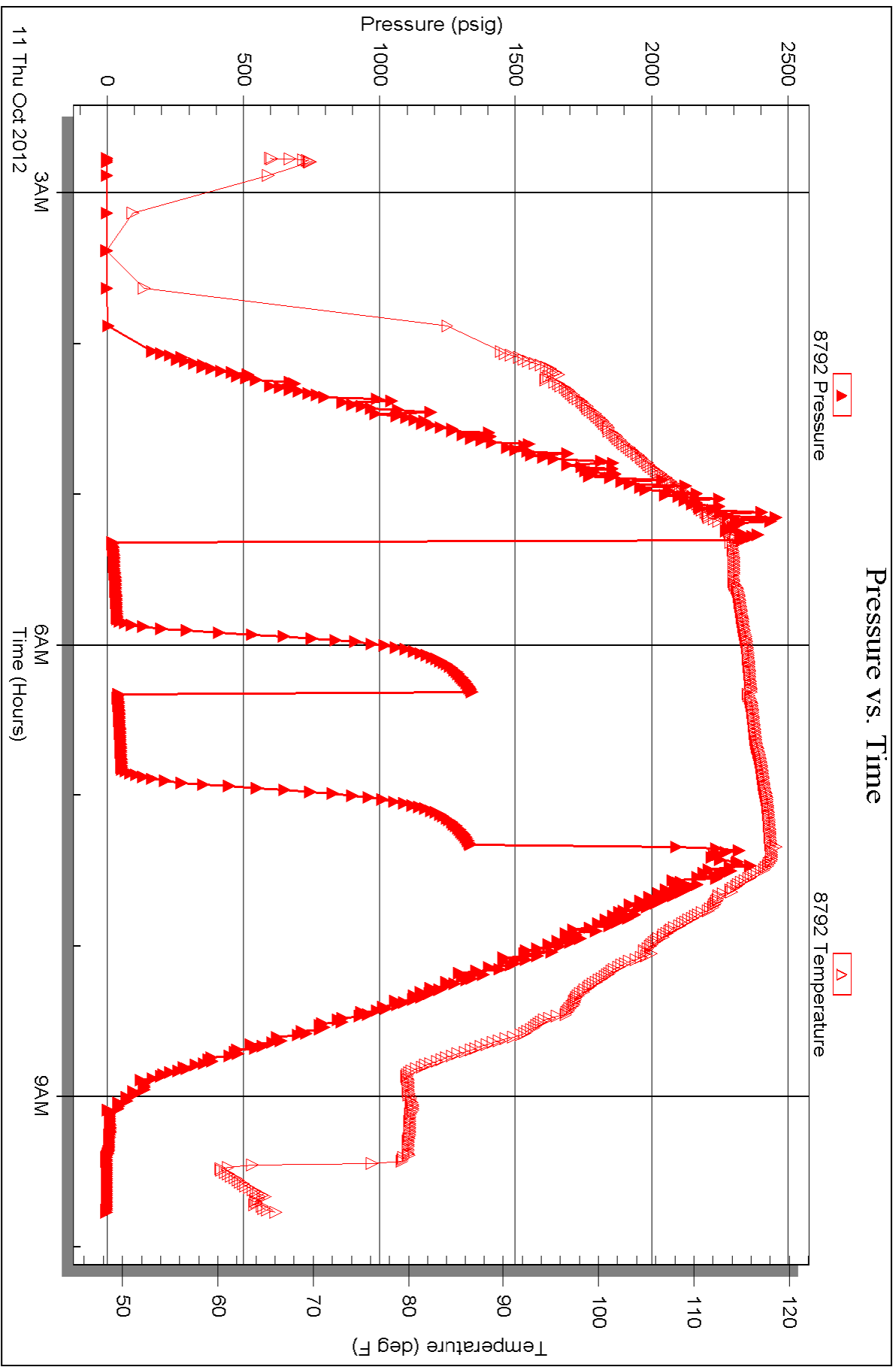


Serial #: 8792

Outside American Warrior

Family Farms #3-9

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49578

4/10

Well Name & No. Family Farms #3-9 Test No. 1 Date 10-9-12  
 Company American Warrior Elevation 2371 KB 2360 GL  
 Address 3118 Cummings Rd. Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. 9 Twp. 24s Rge. 21w Co. Hodgeman State KS

Interval Tested 4440-4470 Zone Tested Altamont  
 Anchor Length 30' Drill Pipe Run 4143 Mud Wt. 9.4  
 Top Packer Depth 4435 Drill Collars Run 280 Vis 48  
 Bottom Packer Depth 4440 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4470 Chlorides 3900 ppm System LCM 1/2 #  
 Blow Description IF: Weak blow. 1/4" - Dead in 26 min. ISI: No blow

FF: Weak blow. 1/4" - Dead in 8 mins. (Pulled @ 10 min. into FP)  
FSI: N/A

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>GOCM</u>	<u>7</u>	<u>12</u>	<u>81</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 118 Gravity N/C API RW N/C @ N/C °F Chlorides 3900 ppm  
 (A) Initial Hydrostatic 2229  Test 1250 T-On Location 1745  
 (B) First Initial Flow 16  Jars 250 T-Started 2041  
 (C) First Final Flow 21  Safety Joint 75 T-Open 2330  
 (D) Initial Shut-In 61  Circ Sub T-Pulled 0040  
 (E) Second Initial Flow 19  Hourly Standby T-Out 0252  
 (F) Second Final Flow 23  Mileage 160 248 Comments \_\_\_\_\_  
 (G) Final Shut-In N/A  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2210  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1823

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 10  
 Final Shut-In N/A  
 Approved By \_\_\_\_\_ Our Representative Ryan Reynolds  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49579

4/10

Well Name & No. Family Farms #3-9 Test No. 2 Date 10-11-12  
 Company American Warrior Elevation 2371 KB 2360 GL  
 Address 3118 Cummings Rd. Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. 9 Twp. 24s Rge. 21w. Co. Hodgeman State KS

Interval Tested 4619 - 4656 Zone Tested Miss. "Osage"  
 Anchor Length 37' Drill Pipe Run 4332 Mud Wt. 9.5  
 Top Packer Depth 4614 Drill Collars Run 280 Vis 51  
 Bottom Packer Depth 4619 Wt. Pipe Run 4 WL 11.6  
 Total Depth 4656 Chlorides 4400 ppm System LCM Ø #  
 Blow Description IF = Weak blow. '1/4"-2" ISI = No blow

FF: Weak blow. '1/4"-2"

FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
100	GIP	100			
20	OCM	7		93	
60	GOCM	4	24	TBC	72

Rec Total 180 BHT 118 Gravity N/C API RW N/C @ N/C Chlorides 4400 ppm  
 (A) Initial Hydrostatic 2390  Test 1250 T-On Location 0245  
 (B) First Initial Flow 17  Jars 250 T-Started 0249  
 (C) First Final Flow 37  Safety Joint 75 T-Open 0519  
 (D) Initial Shut-In 1341  Circ Sub T-Pulled 0720  
 (E) Second Initial Flow 41  Hourly Standby T-Out 0943  
 (F) Second Final Flow 53  Mileage 160 248 Comments \_\_\_\_\_  
 (G) Final Shut-In 1337  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2318  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1823  
 Sub Total 1823  
 MP/DST Disc't \_\_\_\_\_

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

Our Representative Ryan Reynolds

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.

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 29, 2012

Joe Smith  
American Warrior, Inc.  
3118 Cummings Rd  
PO BOX 399  
GARDEN CITY, KS 67846

Re: ACO1  
API 15-083-21852-00-00  
Family Farm 3-9  
NW/4 Sec.09-24S-21W  
Hodgeman County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Joe Smith