



1180285

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. 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:				

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> _____ <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	Shadow 3-17
Doc ID	1180285

All Electric Logs Run

Induction
Porosity
Micro
Sonic

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Tops

Name	Top	Datum
Anhy	1751'	+1070
B/Anhy	1841'	+980
Heebner	4134'	-1313
Lansing	4220'	-1399
B/KC	4727'	-1906
Marmaton	4739'	-1918
Ft.Scott	4859'	-2038
Cherokee	4873'	-2050
Morrow	5073'	-2252

# **Geological Report**

American Warrior, Inc.

## **Shadow #3-17**

889' FNL & 1716' FWL

Sec. 17, T28s, R30w

Gray County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Shadow #3-17  
889' FNL & 1716' FWL  
Sec. 17, T28s, R30w  
Gray County, Kansas  
API # 15-069-20452-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: November 12, 2013

Completion Date: November 23, 2013

Elevation 2821' G.L.  
2809' K.B.

Directions: From Copland, KS. At intersection of Hwy 56 and 2 Rd. Go North on 2 Rd 5.4 miles to AA Rd. Go ½ mile East on AA Rd and South into.

Casing: 1736' 8 5/8" #23 Surface Casing

Samples: 4050' to RTD 10' Wet & Dry

Drilling Time: 4050' to RTD

Electric Logs: Pioneer Energy Services "D. Kerr"  
Full Sweep

Drillstem Tests: None

Problems: None

## Formation Tops

Shadow #3-17

Sec. 17, T28s, R30w

889' FNL & 1716' FWL

<b>Anhydrite</b>	<b>1751' +1070</b>
<b>Base</b>	<b>1841' +980</b>
<b>Heebner</b>	<b>4134' -1313</b>
<b>Toronto</b>	<b>4150' -1329</b>
<b>Lansing</b>	<b>4220' -1399</b>
<b>Stark</b>	<b>4600' -1779</b>
<b>Bkc</b>	<b>4727' -1906</b>
<b>Marmaton</b>	<b>4739' -1918</b>
<b>Pawnee</b>	<b>4827' -2006</b>
<b>Fort Scott</b>	<b>4859' -2038</b>
<b>Cherokee</b>	<b>4873' -2052</b>
<b>Morrow</b>	<b>5073' -2252</b>
<b>Miss</b>	<b>5202' -2381</b>
<b>RTD</b>	<b>5300' -2479</b>
<b>LTD</b>	<b>5302' -2481</b>

### Sample Zone Descriptions

**St. Louis**

**(5202', -2381): Not Tested**

Ls. Tan. Sub crystalline. Poor oomoldic and poor oolycastic porosity.  
Tight. Barren.

## Structural Comparison

	American Warrior, Inc. Shadow #3-17 Sec. 17, T28s, R30w 889' FNL & 1716' FWL		American Warrior, Inc. Shadow #2-17 Sec. 17, T28s, R30w 1786' FNL & 2297' FWL		Falcon Exploration Lanterman #1-8 Sec 8, T28s, R30w 2030' FNL & 370' FEL
<b>Formation</b>					
Heebner	4134' -1313	+2	4125' -1315	NA	NA
Toronto	4150' -1329	+12	4145' -1341	NA	NA
Lansing	4220' -1399	+7	4210' -1406	+29	4249' -1428
Stark	4600' -1779	+4	4587' -1783	NA	NA
BKC	4727' -1906	FL	4716' -1906	NA	NA
Marmaton	4739' -1918	+5	4727' -1923	NA	NA
Pawnee	4827' -2006	+5	4815' -2011	NA	NA
Fort Scott	4859' -2038	+3	4845' -2041	+7	4866' -2045
Cherokee	4873' -2052	+5	4863' -2057	+9	4882' -2061
Morrow	5073' -2252	+8	5070' -2260	+16	5089' -2268
St. Louis	5202' -2381	+3	5188' -2384	+42	5244' -2423

## Summary

The location for the Shadow #3-17 well was found via 3-D seismic survey. The new well ran structurally as expected. No drill stem tests were conducted, due to lack of shows. After all the gathered data had been examined, the decision was made to plug and abandon the Shadow #3-17 well.

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.





# ALLIED OIL & GAS SERVICES, LLC 052029

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Libera, KS

DATE <u>11-22-13</u>	SEC. <u>17</u>	TWP. <u>28S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>7:00 a.m.</u>	JOB START <u>12:00 p.m.</u>	JOB FINISH <u>3:00 p.m.</u>
LEASE <u>Shadow</u>		WELL # <u>3-17</u>		LOCATION <u>Vec, Copeland KS</u>		COUNTY <u>Gray</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Duke #1

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE 8 5/8 DEPTH 1750

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 160SK 60-404 2002

COMMON	<u>96sk</u>	@	<u>17.90</u>	<u>1718.4</u>
POZMIX	<u>62sk</u>	@	<u>9.35</u>	<u>598.40</u>
GEL	<u>S.SK</u>	@	<u>23.40</u>	<u>128.70</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>1</u>	@	<u>400.00</u>	<u>400.00</u>
MILEAGE	<u>357.7</u>	@	<u>2.60</u>	<u>930.02</u>
TOTAL				<u>3778.52</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Lenny Brazza

# S49-SSO HELPER Ernie S.

BULK TRUCK

# 869-842 DRIVER Alex A.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CHARGE TO: American Warrior

STREET \_\_\_\_\_

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

**SERVICE**

DEPTH OF JOB PTA

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 50 @ 7.70 385.00

MANIFOLD @ \_\_\_\_\_

Light Vehicle 50 @ 4.40 220.00

TOTAL 1855.00

**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.

PRINTED NAME Mike Godfrey

SIGNATURE Mike Godfrey

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

TOTAL CHARGES \$ 5630.52

DISCOUNT Net 4504.41 IF PAID IN 30 DAYS

# ALLIED OIL & GAS SERVICES, LLC 052946

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberals ks

DATE <u>11-14-13</u>	SEC. <u>17</u>	TWP. <u>28S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30</u>	JOB FINISH <u>2:30 P.M.</u>
LEASE <u>Shadow</u>	WELL# <u>3-17</u>	LOCATION <u>Capeland ks, N.H. C.R.A.A.</u>			COUNTY <u>Gray</u>	STATE <u>ks</u>	
OLD OR <u>(NEW)</u> (Circle one)		E 1/4 M. S 1 into					

CONTRACTOR Duke #1  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 8 5/8 23 # DEPTH 1753.67-ft  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 12.00 MINIMUM  
 MEAS. LINE SHOE JOINT 42.40 ft  
 CEMENT LEFT IN CSG. 42.40 ft  
 PERFS.  
 DISPLACEMENT 109.5 BBLs.

OWNER American Warrior  
 CEMENT  
 AMOUNT ORDERED 625 sk 6 5/8 6 1/2 bel,  
3% CC, 1/4 lb/bk Flsdc,  
200 sk "A" 3% CC, 1/4 lb/bk Flsdc  
100 sk Class A Neat.  
 COMMON "A" 200 sk @ 17.90 3580.00  
 POZMIX @  
 GEL @  
 CHLORIDE 27 sk @ 64.00 1728.00  
 ASC @  
 ALCA "A" 625 sk @ 16.50 10,312.50  
Flsdc 2.06 lb @ 2.97 611.82  
 @  
 Class A 100 sk @ 17.90 1790.00  
 @  
 @  
 @  
 @  
 HANDLING 1032.03 Cjft @ 2.48 2559.43  
 MILEAGE 1764.50 Ton M, 2.60 4588.48  
 TOTAL 25170.23

**EQUIPMENT**

PUMP TRUCK CEMENTER Ruben Chavez  
 # 530-484 HELPER Cesar Pavia  
 BULK TRUCK Ricardo Estrada  
 # 457-556 DRIVER Decedrick Grier  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

Had to top off well with  
100 SK Class A Neat.

**SERVICE**

DEPTH OF JOB 1753-ft  
 PUMP TRUCK CHARGE 2,213.75  
 EXTRA FOOTAGE @  
 MILEAGE heavy 40M, @ 7.70 308.00  
 MANIFOLD + head 1 @ 275.00 275.00  
light Vehicle 40M, @ 4.40 176.00  
 @  
 TOTAL 2,912.75

CHARGE TO: AMERICAN WARRIOR  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

Top rubber plug 1 @ 76.25 76.25  
Guide Shoe 1 @ 250.70 250.70  
AFU Float Valve 1 @ 239.00 239.00  
Centralizer 3 @ 37.50 112.50  
Com. Basket 1 @ 226.50 226.50  
 TOTAL 904.95

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) \_\_\_\_\_  
 TOTAL CHARGES. 29,047.93  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME mike Godfrey  
 SIGNATURE [Signature]

NET = 23,419.33