



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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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

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



1081983

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Elton 1-5
Doc ID	1081983

Tops

Name	Top	Datum
Anhydrite	1381	783
Heebner	3625	-1461
Lansing	3670	-1506
Base Kansas City	3992	-1828
Pawnee	4080	-1916
Ft. Scott	4150	-1986
Cherokee	4166	-2002
Mississippian	4253	-2089
TD	4263	-2099

# ALLIED CEMENTING CO., LLC. 042395

FEDERAL RESERVE BANK OF KANSAS CITY, MO 64108-0001  
 PHONE (816) 424-5975/804

REMIT TO PO. BOX 31  
 RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend, KS

DATE <u>1-27-12</u>	SEC. <u>5</u>	TWP. <u>19s</u>	RANGE <u>21W</u>	ON LOCATION	JOB START <u>12:45 AM</u>	JOB FINISH <u>1:12 AM</u>
LEASE <u>Eltow</u>	WELL # <u>1-5</u>	LOCATION <u>Bovine KS / south, 1</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		LOCATION <u>east, 1/2 north, 1/4 NW into</u>				
CONTRACTOR <u>Petromack Rig 1</u>			OWNER <u>American Warrior</u>			
TYPE OF JOB <u>Surface</u>			CEMENT			
HOLE SIZE <u>17 1/4</u> TD. <u>222</u>			AMOUNT ORDERED <u>150 sky Class A</u>			
CASING SIZE <u>8 3/8</u> DEPTH <u>222</u>			<u>30% cc 20% gel</u>			
TUBING SIZE DEPTH						
DRILL PIPE DEPTH						
TOOL DEPTH						
PRES. MAX MINIMUM			COMMON @			
MEAS. LINE SHOE JOINT			POZMIX @			
CEMENT LEFT IN CSG. <u>15 FT</u>			GEL @			
PERFS			CHLORIDE @			
DISPLACEMENT			ASC @			

**EQUIPMENT**

PUMP TRUCK	CEMENTER	<u>Greg L</u>
# <u>398</u>	HELPER	<u>Frank</u>
BULK TRUCK		
# <u>341</u>	DRIVER	<u>John P</u>
BULK TRUCK		
#	DRIVER	

**REMARKS:**

On location - Rig up - Break  
Circulation w/ Rte and Hook  
up with 150 sky Class A 50%  
cc 20% gel Displace with  
fresh water  
Cement did circulate  
Plug down @ 1:15 AM

CHARGE TO: American Warrior

STREET \_\_\_\_\_

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

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

**SERVICE**

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

**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 John Smith

SIGNATURE [Signature]

SALES TAX (if Any) \_\_\_\_\_

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

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



# ALLIED

CEMENTING CO., LLC  
Cementing & Acidizing Services

## CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 1-23-12 District Great Bend Ticket No. 42395  
 Company Alincios Water Rig Retromark 1  
 Lease Elton Well No. 1-5  
 County Wes State KS  
 Location 9211e / 1904th / 1 Field 18  
4907 11= north / east N. 12E

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type New Weight 222 Collar 8.00

Casing Depths: Top 188 Bottom 222

Drill Pipe: Size 4 1/2 Weight 16.6 Collars Shole  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbbs/Lin. ft. 0.637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbbs/Lin. ft. 1.455 Lin. ft./Bbl. 10.85  
 Drill Pipe: Bbbs/Lin. ft. 0.142 Lin. ft./Bbl. 10.32  
 Annulus: Bbbs/Lin. ft. 0.925 Lin. ft./Bbl. 13.60  
 Bbbs/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA: Spacer Type: Freshwater  
 Amt. 55 bbl Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 8.34 PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TALE: Pump Time 40 hrs. Type 21902 A  
 Amt. 150 Sks Yield 1.22 ft<sup>3</sup>/sk Density 15.2 PPG

WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used \_\_\_\_\_  
 Bulk Equip. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_

Special Equip. Freshwater  
 Disp. Fluid Type Native Amt. \_\_\_\_\_ Bbls. Weight 8.7 PPG  
 Mud Type Native Weight 9.1 PPG

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Greg L

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location - Rig up
						North safety injecting
						Run 8 5/8 casing
						Circulate casing w/ Rig mud
						Hook up
						Run 5 bbl freshwater ahead
						Mix 150 Sks cement
						Displace with 13.18 bbl
						freshwater
						Shut in
						Cement did circulate



Services, Inc.

CHARGE TO: Amvicon Leasing  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
**19789**

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Amvicon Leasing</u>	1-5	<u>Elton</u>	<u>MO</u>	<u>MO</u>		1 07 12	<u>Same</u>
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	<u>Producers Rig #1</u>		<u>CIT</u>	<u>Loc.</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	<u>0.1</u>	<u>Development</u>	<u>Cal. 5 1/2" Long String</u>		<u>Sec 5-19S-21W</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.		
575							2	mi		6.00	12.00
573					<u>Pump Service</u>		1	ea		1500.00	1500.00
401					<u>Turret Flant Shoe</u>		1	ea	5 1/2 in	160.00	160.00
406					<u>Loth Down Plug + Barre</u>		1	ea	" "	350.00	350.00
402					<u>Catalines</u>		5	ea	" "	70.00	350.00
403					<u>Cat. Bracket</u>		2	ea	" "	250.00	500.00
404					<u>Bar Colike</u>		1	ea	" "	2400.00	2400.00
419					<u>Rotary head</u>		1	ea		300.00	300.00
331					<u>Mod Flsh</u>		500	gal		1.35	675.00
331					<u>KOL Flsh</u>		2	gal		25.00	50.00
310					<u>O A-R</u>		1	gal		35.00	35.00
					<u>See Continuation</u>						4481.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

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

DATE SIGNED	TIME SIGNED	<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?			UN-DECIDED <input type="checkbox"/>	DIS-AGREE <input type="checkbox"/>
PAGE TOTAL <u>14701</u>			TAX <u>50</u>	
TOTAL <u>14751</u>				

SWIFT OPERATOR: [Signature] APPROVAL: \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_  
 The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
**Thank You!**

**JOB LOG**

**SWIFT Services, Inc.**

DATE 7-29-12 PAGE NO. 1

CUSTOMER American Wharfed WELL NO. 1-5 LEASE Elton JOB TYPE Long String TICKET NO. 19789

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:30							On loc.
								Start in hole with 5 1/2" Csg.
								Insert Float Shoe
								Latch down Baffle
								Cont. "1" "2" "3" "4" "13"
								Packoff "5" "6"
								Put collar "69" <del>1356</del>
	1335							C. out to down last Joint
	1400							Drop Ball
								Check hole + Point Csg.
	1405							Plug Rat hole 30"
		5	12					Ramp 500gals Mud Flow
			20					20" KOL Flow
	1430							Start string 145' P. EA-2 Cont.
	1440		35					Finish mixing
								Work out Pump + L.C.
								Drill Latch down Plug
	1500							Plug down 150' holding
								Prep pump. Develop
								work + Pick up tool
	1545							Job Complete

*[Handwritten signature]*

*[Handwritten signature]*



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

TICKET CONTINUATION

TICKET No. 19789

CUSTOMER	WELL	DATE	PAGE	OF
American Welding	Ellen #1-5	1-29-18	2	2

325	314	313	312	316																
1	1	1	1	1																
Standard Count	Cal Seal	Cal Seal	Almond-322	Flange																
175 lbs	8 lbs	950 #	124 #	44 #																
13	35	PE	7	3																
2368	300	190	961	83																
52	22	22	22	22																

SERVICE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET	TON MILES	DATE	PAGE	OF
	13,391	95	175.58	230	1-29-18	2	2

4481





Services, Inc.

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

TICKET NO 21041

PAGE 1 OF

SERVICE LOCATIONS  
 1. NESS CITY, KS  
 WELL PROJECT NO. ELTON-1-57  
 COUNTY/RANGE NESS  
 STATE KS  
 CITY BAZINE KS  
 DATE 10 FEB 12  
 OWNER  
 ORDER NO.  
 TICKET TYPE CONTRACTOR HD DUFFIELD SERV.  
 RIG NAME NO.  
 SHIPPED VIA DELIVERED TO  
 WELL TYPE OIL  
 WELL CATEGORY DEVELOPMENT  
 JOB PURPOSE GEMENT PORT COLLAR  
 WELL PERMIT NO.  
 WELL LOCATION 35221N/1411E

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	25	mi			6.00	150.00
576D					PUMP CHARGE	1	hr			125.00	125.00
105					PORT COLLAR OPENING TOOL	1	hr			350.00	350.00
276					FLORCE	30	lbs			2.00	60.00
290					D-AIR	1 1/2	hr			35.00	52.50
330					SUDICT MULTI DENSITY	180	5x			10.50	1980.00
581					SERVICE CHARGE GEMENT	175	5x			2.00	350.00
582					MINIMUM DRAYAGE	17384	lb	21.73	TM	250.00	250.00

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

DATE SIGNED 10 FEB 12 TIME SIGNED 1:35 P.M.  
 X Scott

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

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4442.50  
 TAX 7.55  
 TOTAL 4596.38

SWIFT OPERATOR *Scott* APPROVAL *Scott*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10 FEB 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE ELTON 1-5

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 21641

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
								PORT COLLAR @ 1350'
	1100							WAIT ON WATER TRUCKS
	1205			✓		1000		TEST - HELD
	1207	3		✓	✓	450		OPEN PORT COLLAR TAKE INS. RATE.
	1210	4	66 1/2	✓		600		MIX 120 SX SMD
		3	4	✓		350		DISPLACE CEMENT
								CIRCULATE 15 SX TO PIT
	1229			✓		1000		CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	1239	3	15		✓	300		REVERSE CEMENT OUT
	1245							WASH TRUCK
	1315							JOB COMPLETE
								THANKS #110
								JASON JEFF SHANE ISSAC

# **Geological Report**

American Warrior, Inc.

**Elton #1-5**

1480' FNL & 1375' FEL

Sec. 5 T19s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Elton #1-5  
1480' FNL & 1375' FEL  
Sec. 5 T19s R21w  
Ness County, Kansas  
API # 15-135-25276-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm

Spud Date: January 21, 2012

Completion Date: January 29, 2012

Elevation: 2158' Ground Level  
2164' Kelly Bushing

Directions: Bazine KS, South on DD rd to 110 rd, East to EE rd, South to 115 rd. East 1 mi. East through farmstead, North and West into location.

Casing: 222' 8 5/8" surface casing  
4262' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Jared Long"  
CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: Gas detector was not able to read any gas for the Mississippian due to oil content in pits from DST #1.

## Formation Tops

	<b>American Warrior, Inc.</b> <b>Elton #1-5</b> <b>Sec. 5 T19s R21w</b> <b>1480' FNL &amp; 1375' FEL</b>
<b>Formation</b>	
Anhydrite	<b>1381', +783</b>
Base	<b>1415', +749</b>
Heebner	<b>3625', -1461</b>
Lansing	<b>3670', -1506</b>
BKc	<b>3992', -1828</b>
Pawnee	<b>4080', -1916</b>
Fort Scott	<b>4150', -1986</b>
Cherokee	<b>4166', -2002</b>
Mississippian	<b>4253', -2089</b>
LTD	<b>4263', -2099</b>
RTD	<b>4263', -2099</b>

## Sample Zone Descriptions

- Fort Scott (4150', -1986): Not Tested**  
 Ls – Fine crystalline with poor scattered inter-crystalline porosity, light to fair oil stain in porosity, slight show of free oil when broken, light odor, good yellow fluorescents, 20 units hotwire.
- Cherokee “A” Sand (4173', -2009): Covered in DST #1**  
 Ss – quartz, frosted, fine grained, fairly rounded, poorly cemented, well sorted with fair inter-granular porosity, light spotted oil stain in cluster, show of free oil when broken, no odor, dull yellow fluorescents, many random grains, 16 units hotwire.
- Mississippian Osage (4253', -2089): Covered in DST #2**  
 Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, very heavy chert, tripolitic, weathered with good vuggy porosity, light scattered oil stain in porosity, slight show of free oil on cup, good odor, fair to good yellow cut fluorescents.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Ray Schwager"

**DST #1**

**Cherokee "A" Sand**

Interval (4167' – 4190') Anchor Length 23'

IHP	– 2119 #	
IFP	– 5" – B.O.B. 2 min.	134-162 #
ISI	– 15" – W.S.B.	379 #
FFP	– 5" – B.O.B. 2 min.	164-199 #
FSI	– 15" – W.S.B.	359 #
FHP	– 1979 #	
BHT	– 116°F	

Recovery:      129' OCMW                      10% Oil, 50% Water  
                         248' Water

**DST #2**

**Mississippian Osage**

Interval (4256' – 4263') Anchor Length 7'

IHP	– 2048 #	
IFP	– 30" – B.O.B. 16 min.	35-91 #
ISI	– 45" – Built to 1 ½ in.	1179 #
FFP	– 30" – B.O.B. 12 min.	98-132 #
FSI	– 45" – Built to 3 in.	1169 #
FHP	– 2029 #	
BHT	– 119°F	

Recovery:      124' GIP  
                         170' GCO  
                         124' MGO                      70% Oil

**Structural Comparison**

<b>Formation</b>	<b>American Warrior, Inc. Elton #1-5 Sec. 5 T19s R21w 1480' FNL &amp; 1375' FEL</b>	<b>Dreiling LTD Margheim #1 Sec. 5 T19s R21w 1980' FNL &amp; 2310' FEL</b>	<b>American Warrior, Inc. Elton Unit #4-5 Sec. 5 T19s R21w 375' FNL &amp; 85' FEL</b>
Anhydrite	<b>1381', +783</b>	1405', +777	1345', +788
Base	<b>1415', +749</b>	1439', +743	1380', +753
Heebner	<b>3625', -1461</b>	3654', -1472	3592', -1459
Lansing	<b>3670', -1506</b>	3703', -1521	3635', -1502
BKc	<b>3992', -1828</b>	NA	3958', -1825
Pawnee	<b>4080', -1916</b>	NA	4044', -1911
Fort Scott	<b>4150', -1986</b>	4183', -2001	4114', -1981
Cherokee	<b>4166', -2002</b>	4198', -2016	4132', -1999
Mississippian	<b>4253', -2089</b>	4287', -2105	4210', -2077

## Summary

The location for the Elton #1-5 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Elton #1-5 well.

## Recommended Perforations

**Primary:**

<b>Mississippian Osage</b>	<b>(4256' – 4263')</b>	<b>DST #2</b>
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**Before Abandonment:**

<b>Fort Scott</b>	<b>(4154' – 4258')</b>	<b>Not Tested</b>
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Respectfully Submitted,

Jason T. Alm  
Hard Rock Consulting, Inc.





