

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

7/21/13

ORIGINAL

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 # 31548  
Name: Discovery Drilling  
Wellsite Geologist: Mac Downing  
Purchaser: None

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: Reed Oil  
Well Name: M.Mishler  
Original Comp. Date: 4/19/79    Original Total Depth: 4508'  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
6/17/11    6/20/11    7/18/11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 135-21603-0001  
Spot Description: \_\_\_\_\_  
C SE NE Sec. 22 Twp. 17 S. R. 24  East  West  
3,300 Feet from  North /  South Line of Section  
660 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ness  
Lease Name: Mishler    Well #: #3-22SWD  
Field Name: Amstutz South  
Producing Formation: None  
Elevation: Ground: 2468'    Kelly Bushing: 2476'  
Total Depth: 5085'    Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 369' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1714' Feet  
If Alternate II completion, cement circulated from: 1714'  
feet depth to: surface w/ 180sx sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 7000 ppm    Fluid volume: 320 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
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: 7/20/11

**Caitlin Birney**  
Notary Public - State of Kansas  
My Appt. Expires 09/10/13

**KCC Office Use ONLY**    **RECEIVED**  
 Letter of Confidentiality Received  
Date: 7/21/11 - 7/21/13    JUL 21 2011  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III    Approved by: [Signature]    Date: 7-27-11

Operator Name: American Warrior Inc. Lease Name: Mishler Well #: #3-22SWD  
 Sec. 22 Twp. 17 S. R. 24  East  West County: Ness

**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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>B/KC</td> <td>4183'</td> <td>-1707</td> </tr> <tr> <td>Mam</td> <td>4256'</td> <td>-1780</td> </tr> <tr> <td>Miss</td> <td>4506'</td> <td>-2030</td> </tr> <tr> <td>Viola</td> <td>4804'</td> <td>-2328</td> </tr> <tr> <td>Arbuckle</td> <td>4898'</td> <td>-2422</td> </tr> </table>	Name	Top	Datum	B/KC	4183'	-1707	Mam	4256'	-1780	Miss	4506'	-2030	Viola	4804'	-2328	Arbuckle	4898'	-2422
Name	Top	Datum																	
B/KC	4183'	-1707																	
Mam	4256'	-1780																	
Miss	4506'	-2030																	
Viola	4804'	-2328																	
Arbuckle	4898'	-2422																	

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	NA	369'	NA	215	NA
Production	77/8	51/2	17#	4964'	EA-2	125	3%CC,2%gel

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
		<b>CONFIDENTIAL</b> JUL 21 2013 RECEIVED KCC JUL 21 2011 KCC WICHITA	

TUBING RECORD: Size: <u>23/8 sealite</u> Set At: <u>4945'</u> Packer At: <u>4945'</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 type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity

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 checked="" type="checkbox"/> Open Hole <input 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: _____ _____
-------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------



CHARGE TO:  
*American Warrior Inc.*

ADDRESS

CITY, STATE, ZIP CODE

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TICKET  
19774

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Hays, Ks</i>	WELL/PROJECT NO. <i>3-22</i>	LEASE <i>Mishler</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY	DATE <i>6-20-11</i>	OWNER
2. <i>Ness City, Ks</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Discovery</i>	RIG NAME/NO. <i>#3</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>N/Ness City, Ks</i>	ORDER NO.	
3.	WELL TYPE <i>DWLD SWD</i>	WELL CATEGORY <i>DWLD - SWD</i>	JOB PURPOSE <i>Cement 5 1/2" Longstrings</i>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

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KCC

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113		10 mi			500	5000
578		1			Pump Charge - cut longstrings		1 ea	496.1 ft.		140000	140000
221		1			Liquid KCL		25 gal			2000	50000
281		1			Mud Plug		500 gal			100	50000
290		1			D-Air		2 gal			3500	7000
402		1			Centralizers		5 ea	5 1/2 in		6500	32500
403		1			Cement Baskets		2 ea	5 1/2 in		23000	46000
404		1			Port Collar		1 ea	5 1/2 in		21000	21000
405		1			Formation PKR. Shoe		1 ea	5 1/2 in		13000	13000
406		1			Latch Down Plug 6 Batt		1 ea	5 1/2 in		23500	23500

**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 *John Dasher*

DATE SIGNED *6-20-11* TIME SIGNED *1200 Noon*  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		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1 PAGE TOTAL	6480 00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	4039 00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	10519 00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Tax 6.3%	536 70
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	11,055 70
<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!



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

# TICKET CONTINUATION

TICKET No. 19774

CUSTOMER *American Warriors, Inc* WELL *2-32-Mishler (D&WD)* DATE *6-20-11* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QUANTITY				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	UM	QTY	UM		
<i>325</i>		<i>2</i>				<i>Standard Concret</i>	<i>200</i>	<i>SKS</i>	<i>18800</i>	<i>lbs</i>	<i>1200</i>	<i>240000</i>
<i>274</i>		<i>2</i>				<i>Flocele</i>	<i>50</i>	<i>lbs</i>			<i>150</i>	<i>7500</i>
<i>283</i>		<i>2</i>				<i>Salt</i>	<i>1000</i>	<i>lbs</i>			<i>15</i>	<i>15000</i>
<i>284</i>		<i>2</i>				<i>Cal Seal</i>	<i>940</i>	<i>lbs</i>	<i>10</i>	<i>SKS</i>	<i>3000</i>	<i>30000</i>
<i>285</i>		<i>2</i>				<i>CFR-1</i>	<i>141</i>	<i>lbs</i>			<i>400</i>	<i>56400</i>
<i>581</i>		<i>2</i>				SERVICE CHARGE <i>Concret</i>					<i>150</i>	<i>30000</i>
<i>582</i>		<i>2</i>				TOTAL WEIGHT <i>20931</i>		LOADED MILES <i>10</i>	TON MILES <i>104.655 TM</i>		<i>25000</i>	<i>25000</i>

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CONFIDENTIAL TOTAL *4039.00*

.8232

JOB LOG

SWIFT Services, Inc.

DATE 6-20-11 PAGE NO.

CUSTOMER AWTI WELL NO. 3-22 5110160 LEASE Michlar JOB TYPE Cement Logging TICKET NO. 19774

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for operations like 'On location w/ Fleet Equip. Rig changes', 'Start 5 1/2" 17 #/ft casing', 'Formation Pakr Shoe', 'LD. Baffle - SJ - 21' @ 4942 1/2', 'Cement Baskets - Pin end # 89', 'Port Collar # 89 Collar @ 1722', 'Fin casing', 'Rig cir casing', 'Fin cir - Drop PKR Shoe Ball', 'Plug RH-30SK / MH-20SKs stucked EA', 'Hook to Sw. Pt - Start 500 GML Mud Pile', 'to set PKR Shoe - Did not set', 'Fin M.F. - Start KCL Flush (Not set)', 'Fin flush - Start 150 SKS EA-2 cwt.', 'Fin cut. - Wash out Pump Lines', 'Drop L.D. Plug - Start Displ. 114 1/2', 'Caught out @ 90 BBL - slow rate', 'Slow rate', 'Plug Down - Held', 'Release Press - Convinced back', 'Close Release - Repress', 'Press set to 1200 and fell to 900', 'PKR Shoe may have just set.', 'Re-land Plug to 1500', 'Wait 5 min - Release & Held', 'Close Valve on casing - O Press', 'Wash up P.T.', 'Empty Rig Tank.', 'Job Complete'.

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Thanks Alan, Doug & Lane



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

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TICKET  
 20962

PAGE 1 OF 1

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SERVICE LOCATIONS: 1. Ness City KS WELL/PROJECT NO. 3-22 SWD LEASE Mishler COUNTY/PARISH Ness STATE KS CITY Ness City DATE 12 Jul 11 OWNER:  
 2. TICKET TYPE  SERVICE CONTRACTOR SOUTHWEST RIG NAME/NO. 1 SHIPPED VIA CT DELIVERED TO location ORDER NO.:  
 3. WELL TYPE SWD WELL CATEGORY Development JOB PURPOSE cement port collar WELL PERMIT NO.: WELL LOCATION 22-175-24  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE TRK 114	15	m.	5.00		75.00
576 D		1			Pump Charge	1	ea	1100.00		1100.00
330		1			SMD cement		180 sk	15.00		2700.00
276		1			flocela		50 lb	1.50		75.00
290		1			D-AIR	2	gal	35.00		70.00
581		1			service charge	200	sk	1.50		300.00
582		1			Drayage (win)	1	ea	250.00		250.00
104		1			port collar tool rental	1	ea	200.00		200.00

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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: 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4770.00
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 checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

Ness TAX 6.3% 191.84

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

SWIFT OPERATOR: AG Hill APPROVAL:

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12 Jul 11 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 3-22SWD LEASE WISHLER JOB TYPE cement port collar TICKET NO. 20962

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk SMD w/ 1/2" floccle 2 3/4" x 5 1/2" port collar # 1714'
	0945							on loc TRK 114 running tubing
	1055					1000	1000	pressure to 1000 psi - hold open port collar
	1100	3 1/2	2			300		inj rate 5 1/2 bpm @ 300 psi
	1105	4 1/2	10			400		mix SMD cement @ 11.2 ppg circulate fluid to surface
	1125	4 1/2	92			650		cement to surface
		4 1/2	6			700		180 sks mixed, 20 top 7 displace 6 bbl H <sub>2</sub> O
	1135					1000	1000	close port collar pressure to 1000 psi - hold run 5 joints
	1145		22					reverse hole clean - 2 cement floccle
	1155							wash up truck blek up
	1210							job complete
								Thanks Blaine Joe & Dave

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# **Geological Report**

American Warrior Inc.  
Mischler #3-22 SWD  
1980' FNL & 660' FEL  
Sec. 22 T17S R24W  
Ness County, Kansas

Marc Downing  
Consulting Petroleum Geologist

**American Warrior, Inc.**

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## General Data

Well Data: American Warrior Inc.  
Mischler #3-22 SWD  
1980' FNL & 660' FEL  
Sec. 22-17s-24w  
Ness County, Kansas  
API # 15-135-21603-0001

Drilling Contractor: Discovery Drilling, Rig #3

Spud Date: June 12, 2011

Completion Date: June 20, 2011

Elevation: 2468' Ground Level  
2476' Kelly Bushing

Directions: Hwy 96 # 283, 7N, 2W, 2N, 1W, 11/2S, W into

Casing: 369' 8 5/8" surface casing  
4950' 5 12" production casing

Samples: 10' wet and dry, 4500' to RTD

Drilling Time: 4500' to RTD

Electric Logs: Log-Tech – GR/Neut, Mast Trailer – Scott  
Clermont

Drillstem Tests: None

Problems: None

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## Formation Tops

American Warrior, Inc.

Mischler #3-22 SWD

Sec. 22-17s-24w

Formation	1980' FNL & 660' FEL
BKC	4183 (-1707)
Marmaton	4256 (-1780)
Pawnee	4304 (-1828)
Ft. Scott	4390 (-1914)
Cherokee Sh.	4415 (-1939)
Miss/Warsaw	4506 (-2030)
Miss/Osage	4607 (-2131)
Gilmore City	4665 (-2189)
Sylvan	4778 (-2302)
Viola	4804 (-2328)
Arbuckle	4898 (-2422)
RTD	5084 (-2608)

## Summary

Approximately 185' of Arbuckle was cut. Started losing fluid in the top of the Arbuckle (30 bbl mud) and continued throughout. 124 sx hulls mixed until 5084' where circulation was lost again. Decision made to RTD.

Respectfully Submitted,

Marc Downing

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