



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1318935  
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: \_\_\_\_\_

1318935

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 <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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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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# **Geological Report**

**Macnair #1-9**  
1221' FSL & 826' FEL  
Sec. 9 T21s R24w  
Hodgeman County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Macnair #1-9  
1221' FSL & 826' FEL  
Sec. 9 T21s R24w  
Hodgeman County, Kansas  
API # 15-083-21926-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm

Spud Date: August 23, 2016

Completion Date: August 29, 2016

Elevation: 2310' Ground Level  
2318' Kelly Bushing

Directions: Jetmore KS, North to X Rd, West 3 miles, South  
into location.

Casing: 230' 8 5/8" surface casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: None

Problems: None

Remarks: None

## Formation Tops

	<b>American Warrior, Inc.</b> <b>Macnair #1-9</b> <b>Sec. 9 T21s R24w</b> <b>1221' FSL &amp; 826' FEL</b>
<b>Formation</b>	
Anhydrite	<b>1527', +791</b>
Base	<b>1573', +745</b>
Heebner	<b>3744', -1426</b>
Lansing	<b>3792', -1474</b>
BKC	<b>4130', -1812</b>
Marmaton	<b>4169', -1851</b>
Pawnee	<b>4249', -1931</b>
Fort Scott	<b>4309', -1991</b>
Cherokee	<b>4336', -2018</b>
Mississippian	<b>4402', -2084</b>
RTD	<b>4485', -2167</b>

## Sample Zone Descriptions

**Miss Warsaw**

**(4402', -2084): Not Tested**

Dolo – Fine to sub-crystalline with scattered poor to very poor pinpoint vuggy porosity, light dead oil stain in porosity, mostly dense, no show of free oil, no odor, no fluorescents, very dull cut, 10 unit increase in hotwire, no kick.

## Structural Comparison

Formation	American Warrior, Inc.	Thunderbird Petro		Thunderbird Petro	
	Macnair #1-9 Sec. 9 T21s R24w 1221' FSL & 826' FEL	Nelson #1 Sec. 10 T21s R24w C NW NW		McNair #1 Sec. 9 T21s R24w C NW SE	
Anhydrite	1527', +791	1484', +784	(+7)	1524', +781	(+10)
Base	1573', +745	NA	NA	NA	NA
Heebner	3744', -1426	3691', -1424	(-2)	3737', -1432	(+6)
Lansing	3792', -1474	3740', -1474	FL	3788', -1483	(+9)
BKC	4130', -1812	4076', -1808	(-4)	4126', -1821	(+9)
Marmaton	4169', -1851	4115', -1847	(-4)	4164', -1859	(+8)
Pawnee	4249', -1931	4194', -1926	(-5)	4247', -1942	(+11)
Fort Scott	4309', -1991	4258', -1990	(-1)	4310', -2005	(+14)
Cherokee	4336', -2018	4284', -2016	(-2)	4336', -2031	(+13)
Mississippian	4402', -2084	4354', -2086	(+2)	4433', -2128	(+44)

## Summary

The location for the Macnair #1-9 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. No Drill Stem Tests were conducted due to the lack of reservoir development and lack of commercial oil shows throughout the well. After all gathered data had been examined the decision was made to plug and abandon the Macnair #1-9 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.



CHARGE TO: American Warrior Inc.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET 29658

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City 145</u>	WELL/PROJECT NO. <u>#1-9</u>	LEASE <u>MacNaair</u>	COUNTY/PARISH <u>Hodgeman</u>	STATE <u>KS</u>	CITY <u>Ness City</u>	DATE <u>8-23-16</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drilling</u>	RIG NAME/NO. <u>#3</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 8 3/8 Surface</u>	WELL PERMIT NO.	WELL LOCATION <u>Ness City - 145, 3 1/2 by 5 in b</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE			20	mi	5 <sup>00</sup>	100	00
576S		1			Pump Charge - Shallow Surface			1	job	800 <sup>00</sup>	800	00
325		1			Standard Cement			150	skts	12 <sup>25</sup>	1837	50
278		1			Calcium Chloride			3	%	7 <sup>00</sup>	280	00
279		1			Bentonite Gel			3	%	25 <sup>00</sup>	75	00
290		1			D-Air			2	gal	42 <sup>00</sup>	84	00
581		1			Service Charge Cement			150	skts	1 <sup>50</sup>	225	00
582		1			Minimum Drayage Charge			1	lea	250 <sup>00</sup>	250	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

x David Knuehn  
 DATE SIGNED 8-23-16 TIME SIGNED 1945  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	3651	50
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?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	3825	65
<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 David Knuehn APPROVAL \_\_\_\_\_

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 8-23-16 PAGE NO.

CUSTOMER American Warrior WELL NO. 1-9 LEASE MacNair JOB TYPE Surface TICKET NO. 29658

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							on location 8 7/8 28"
								RTD-231 TP-230 150 sks STD 2% Gel 3% CC
	1920							Start 8 7/8 28" casing in well
	1945							Break Circulation
	1955	4 1/2	5		✓	200		Pump 5 bbl water spacer
	1957	4 1/2	36		✓	200		mix 150 sks @ 14.7 ppg
								wash out Pump + Lines
	2005	4 1/2	∅		✓	100		Start Displacement
		4 1/2	9		✓	200		circulate Cement to surface *20 sks*
	2015	∅	13.7		✓	300		Kick out Pump Shut in *Hold*
								wash up trucks
	2030							Job Complete

Thank You  
Dave Jason Preston



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

TICKET 29571

PAGE 1 OF

1. SERVICE LOCATION <b>NESS CITY, KS</b>	WELL/PROJECT NO.	LEASE <b>MACNAIR 1-9</b>	COUNTY/PARISH <b>HODGEMAN</b>	STATE <b>KS</b>	CITY <b>JETMORE, KS</b>	DATE <b>29 AUG 16</b>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DISCOVERY DRILLING RIGS</b>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>ABANDON</b>	JOB PURPOSE <b>PTA.</b>	WELL PERMIT NO.	WELL LOCATION <b>N TO XRD, 3 1/2 W, S INTO</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	25		mi		5.00	125.00
576P					Pump CHARGE	1		JOB		800.00	800.00
276					FLDCELE	55		lbs		2.25	123.75
290					D-AIR	3		hr		40.00	120.00
328-4					60/40 Pozmix 4% OBE	220		SX		10.25	2255.00
581					CEMENT SERVICE CHARGE	220		SX		1.50	330.00
582					MINIMUM DRAINAGE	18509		lbs	231.56	1.36	250.00

**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

X *[Signature]*  
 DATE SIGNED: **29 AUG 16** TIME SIGNED: **2345**  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	4009.75
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?				<i>Hodgeman</i>	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TAX	306.75
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	4316.50

**JOB LOG**

**SWIFT Services, Inc.**

DATE 29 Aug 16 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE MACNAIR 1-9

JOB TYPE PTA

TICKET NO. 29571

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							ON LOCATION
	2100	4	13		✓			1 <sup>ST</sup> PLUG @ 1590' - 50 SX
	2139	4	13		✓			2 <sup>ND</sup> PLUG @ 750' - 50 SX
	2206	4	13		✓			3 <sup>RD</sup> PLUG @ 290' - 50 SX
	2312	3	5		✓			4 <sup>TH</sup> PLUG @ 60' - 20 SX
	2323							PLUG MH - 20 SX
	2326							PLUG RH - 30 SX
								WELL STAY FULL
	2330							WASH TRUCK
								220 SX @ 60/40 POZ MIX 4% GEL - 1/4" FLD.
	2350							JOB COMPLETE.
								THANKS #115
								JASON FLINT ISAAC