

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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 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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Glen Marcellus B 5-36
Doc ID	1308912

Tops

Name	Top	Datum
Heebner	4188'	-1244
Lansing	4251'	-1307
B/KC	4980'	-2036
Marmaton	4995'	-2051
Cherokee	5205'	-2261
Morrow	5608'	-2664
cherster	5926'	-2982
St. Gen	6176'	-3232





CHARGE TO: **AMERICAN WARRIOR**

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET 29285

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **NESS CITY, KS**

WELL/PROJECT NO. **B 5-36** LEASE **GLEN MARCELLUS** COUNTY/PARISH **STEVENS** STATE **KS.** CITY **SURLETTE, KS.** DATE **6 MAY 16** OWNER

TICKET TYPE  SERVICE  SALES CONTRACTOR **DUKE DRILLING RIG #1** RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.

WELL TYPE **DIL/GAS** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **CEMENT 8 5/8 SURFACE** WELL PERMIT NO. WELL LOCATION **13S, 10W, 2S, 1N, 1 1/4S, W, 1ST**

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					MILEAGE #115	120	MIL			5.00	600.00
576D					Pump CHARGE	1	JOB			1250.00	1250.00
403					CEMENT BASKET	1	EA			325.00	325.00
410					TOP PLUG	1	EA			120.00	120.00
412					BAFFLE PLATE	1	EA			110.00	110.00
409					TURBOLIZERS	3	EA			95.00	285.00
194					PLUG CONTAINER RENTAL	1	JOB			200.00	200.00

**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 *Kenneth McLine*  
DATE SIGNED **6 MAY 16** TIME SIGNED **16:30**  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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2890	68
WE UNDERSTOOD AND MET YOUR NEEDS?				14837	68
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				17,727	168
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				776	28
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	18503 96

*Stevens County Tax 6.5%*

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

SWIFT OPERATOR *[Signature]* APPROVAL *[Signature]*

Thank You!



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

TICKET CONTINUATION

5-36

TICKET No. 29285

CUSTOMER: AMERICAN WARRIOR  
WELL: GREN MARCELLUS B  
DATE: 6 MAY 16  
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
276						FLOCELE	165	lbs			2 <sup>25</sup>	371 <sup>25</sup>
290						D-AIR	7	gal			42 <sup>00</sup>	294 <sup>00</sup>
221						LIQUID KCL	2	gal			25 <sup>00</sup>	50 <sup>00</sup>
330						SMD CEMENT	650	sy			15 <sup>75</sup>	10237 <sup>50</sup>
581						SERVICE CHARGE					1 <sup>50</sup>	975 <sup>00</sup>
583						MILEAGE CHARGE	14105	TOTAL WEIGHT	120	LOADED MILES	75	2909 <sup>93</sup>
												3879.9

CONTINUATION TOTAL 14837<sup>68</sup>

JOB LOG

SWIFT Services, Inc.

DATE Lemay 16 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO. 5-36

LEASE GLEN MARCELLUS B JOB TYPE CEMENT SURFACE

TICKET NO. 29285

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1245							ON LOCATION
	1230							START PIPE 8 5/8-24" RTD @ 1755 CENTRALIZERS 1,17,34 BASKET. 18 SHOE JT. 42
	1418							CIRCULATE
	1449	8						Pump 20 Bbl KCL SPACER
	1454	8	70	✓				MIX 150 SX @ 11.8 ppb
			96	✓				MIX 250 SX @ 12.5 ppb
			46	✓				MIX 150 SX @ 13.5 ppb.
			26.	✓				MIX 100 SX @ 14.5 ppb.
	1534	8		✓				RELEASE PLUG - START DISPLACING
	1549	Ø	108 1/2	✓			800	PLUG DOWN - SAUT WELL IN CIRCULATE CEMENT TO SURFACE
	1552							WASH TRUCK
								JOB COMPLETE.
								THANKS # 115
								JASON DAVE PRESTON DUSTY



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

TICKET 29212

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City KS  
 WELL/PROJECT NO. B 5-36 LEASE Glen Marcellus COUNTY/PARISH KS CITY Satanta DATE May 13-14-16 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR DUKE RIG NAME/NO. 1 SHIPPED VIA ACT DELIVERED TO location ORDER NO.  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. WELL LOCATION 36-32-35  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	120		mi		5.00	600.00
578		1			Pump Charge	1		ea		1250.00	1250.00
403		1			Cement Basket	52	2	in	ea	250.00	500.00
406		1			Latch down plug & baffle	5 1/2	1	in	ea	225.00	225.00
407		1			insert float shoe w/ AUTO FILL	5 1/2	1	in	ea	300.00	300.00
409		1			Turbolizer	5 1/2	10	in	ea	75.00	750.00

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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.  
2030

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?				3625.00
WE UNDERSTOOD AND MET YOUR NEEDS?				5925.53
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				9550.53
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Stevens
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		w TAX 65% 428.94
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL 9979.47





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

TICKET CONTINUATION

TICKET No. 29212

CUSTOMER American Warrior WELL Glen Marcellus B 5-36 DATE 13 APR 16 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				Standard Cement	175	sk			12.25	2143.75
279		1				Bentonite gel	3	sk			25.00	75.00
283		1				salts	1700	lb			0.20	340.00
285		1				CFR-1	100	lb			4.50	450.00
286		1				halad-1	100	lb			8.00	800.00
290		1				D-AIR	2	gal			42.00	84.00
281		1				muff flush	500	gal			1.25	625.00
221		1				KCh liquid	2	gal			25.00	50.00
276		1				Flocele	25	lb			2.25	56.25
580		1				Additional hours	1	ea			200.00	200.00
581		1				SERVICE CHARGE					1.50	262.50
583		1				MILEAGE CHARGE					0.75	839.03
						TOTAL WEIGHT	18645					
						LOADED MILES	120					
						TON MILES			1118.7			

CONTINUATION TOTAL 5925.93

**JOB LOG**

**SWIFT Services, Inc.**

DATE 13 APR 16 PAGE NO. 1

CUSTOMER American Warrior WELL NO. B 5-36 LEASE Sten Marcellus JOB TYPE cement long string TICKET NO. 29212

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk STD cement w/ gel, salt, CFR & mlad 5 1/2" x 17" casing 146jts 6343' TD=6350' shoe jt 21.94 Centrifizer 1, 2, 4, 5, 6, 8, 10, 12, 15, 18 Basket #3, #7
	1300							on loc TRK 114
	1500							start 5 1/2" x 17" casing in well
	1800							Drop ball - circulate
	1841	4	12				200	Pump 500 gal med flush
		4	20				200	Pump 20 bbl KCl flush
			7					Plug RH - MH <del>30sk</del> <del>20sk</del>
	1855	2 1/2	37				200	Mix STD cement <del>125sk</del> @ 15.1 ppq
	1917							Drop latch down plug - wash out pump line
	1930	6 1/4						Displace plug
		6 1/4	115				400	
		6 1/4	140				1000	
	2000	6 1/4	149				1600	Land plug
								Release pressure to truck - dried up
	2005							wash truck
								Rack up
	2030							job complete
								Thanks
								Blaine, Shame, & FLINT

# **Geological Report**

American Warrior, Inc.

**Glen Marcellus B #5-36**

1250' FNL & 800' FEL

Sec. 36, T32s, R35w

Stevens County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Glen Marcellus B #5-36  
1250' FNL & 800' FEL  
Sec. 36, T32s, R35w  
Stevens County, Kansas  
API # 15-189-22842-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: May 4, 2016

Completion Date: May 13, 2016

Elevation 2932' G.L.  
2944' K.B.

Directions: From Hugoton, KS, Go East on Hwy 51 15.5 Miles  
to Rd A. Go North on Rd A 4 miles. West into.

Casing: 1744' 8 5/8" #24 Surface Casing  
6341' 5 1/2" #17 Production Casing

Samples: 5500' to RTD Kelly Down Wet

Drilling Time: None

Electric Logs: Pioneer Energy Services "T. Martin"  
Stacked-Micro

Drillstem Tests: None

Problems: Rig Stuck @ 3700'

**Formation Tops**  
**Glen Marcellus B #5-36**  
**Sec. 36, T32s, R35w**  
**1250' FNL & 800' FEL**

<b>Heebner</b>	<b>4188' -1244</b>
<b>Lansing</b>	<b>4251' -1307</b>
<b>Bkc</b>	<b>4980' -2036</b>
<b>Marmaton</b>	<b>4995' -2051</b>
<b>Cherokee</b>	<b>5205' -2261</b>
<b>Morrow</b>	<b>5608' -2664</b>
<b>Chester</b>	<b>5926' -2982</b>
<b>St. Gen</b>	<b>6176' -3232</b>
<b>RTD</b>	<b>6350' -3406</b>
<b>LTD</b>	<b>6352' -3408</b>

**Sample Zone Descriptions**

**Chester Sand (6113', -3169): No DST**

Ss. Off white/clear. Medium grain. Fair cementation. Well rounded. Well sorted. Poor to fair stain "shiny". Poor saturation. Poor odor.

## Structural Comparison

	American Warrior, Inc. Glen Marcellus B #5-36 Sec. 36, T32s, R35w 1250' FNL & 800' FEL		Mobil Oil Corp Glen Marcellus B #1 Sec. 36, T32s, R35w 3300' FSL & 660' FEL		American Warrior, Inc. Glen Marcellus B #3-36 Sec 36, T32s, R35w 1000' FNL & 340' FEL
<b>Formation</b>					
Heebner	4188' -1244	+10	4204' -1254	-3	4184' -1241
Lansing	4251' -1307	+9	4266' -1316	-10	4240' -1297
BKC	4980' -2036	+20	5006' -2056	-25	4954' -2011
Marmaton	4995' -2051	+21	5022' -2072	-8	4986' -2043
Cherokee	5205' -2261	-13	5198' -2248	-36	5168' -2225
Morrow	5608' -2664	+14	5628' -2678	-8	5601' -2658
Chester	5926' -2982	+27	5959' -3009	-10	5915' -2972
St. Gen	6176' -3232	-14	6168' -3218	-49	6126' -3183

### Summary

The location for the Glen Marcellus B #5-36 well was found via 3-D seismic survey. The new well ran structurally as expected. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Glen Marcellus B #5-36 well.

### Perforations

**Primary:**

**Chester**

**(6113' - 6123')**

**FRAC**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

