

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) (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	Owen Dowdy 4-36
Doc ID	1313388

Tops

Name	Top	Datum
Heebner	4209	-1270
Lansing	4276	-1337
B/KC	4974	-2035
Marmaton	5009	-2070
Cherokee	5216	-2277
Morrow	5618	-2679
chester	5933	-2994
St.Gen	6163	-3224



# **Geological Report**

American Warrior, Inc.

**Dowdy Owen #4-36**

1859' FSL & 1942' FWL

Sec. 36, T32s, R35w

Stevens County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Dowdy Owen #4-36  
1859' FSL & 1942' FWL  
Sec. 36, T32s, R35w  
Stevens County, Kansas  
API # 15-189-22841-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: May 14, 2016

Completion Date: May 23, 2016

Elevation 2927' G.L.  
2939' K.B.

Directions: From Hugoton, KS, Go East on Hwy 51 14 Miles  
to Rd 27/B. Go North on Rd A 3 miles. East into.

Casing: 1745' 8 5/8" #24 Surface Casing  
6334' 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 @ 5600'

## Formation Tops

Dowdy Owen #4-36

Sec. 36, T32s, R35w

1859' FSL & 1942' FWL

Heebner	4209' -1270
Lansing	4276' -1337
Bkc	4974' -2035
Marmaton	5009' -2070
Cherokee	5216' -2277
Morrow	5618' -2679
Chester	5933' -2994
St. Gen	6163' -3224
RTD	6350' -3411
LTD	6325' -3386

## Sample Zone Descriptions

**Chester Sand (6115', -3176): No DST**

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

## Structural Comparison

	American Warrior, Inc. Dowdy Owen #4-36 Sec. 36, T32s, R35w 1859' FSL & 1942' FWL		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	4209' -1270	-16	4204' -1254	-29	4184' -1241
Lansing	4276' -1337	-21	4266' -1316	-40	4240' -1297
BKC	4974' -2035	+21	5006' -2056	-24	4954' -2011
Marmaton	5009' -2070	+2	5022' -2072	-27	4986' -2043
Cherokee	5216' -2277	-29	5198' -2248	-52	5168' -2225
Morrow	5618' -2679	-1	5628' -2678	-21	5601' -2658
Chester	5933' -2994	+15	5959' -3009	-22	5915' -2972
St. Gen	6163' -3224	-6	6168' -3218	-41	6126' -3183

### Summary

The location for the Dowdy Owen #4-36 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 Dowdy Owen #4-36 well.

### Perforations

**Primary:**

**Chester**

**(6127' - 6135')**

**FRAC**

**Before Abandonment:**

**Chester**

**(6116' - 6118')**

**Tight**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.







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

TICKET 29213

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City KS WELL/PROJECT NO. 4-36 LEASE Dowdy Owens COUNTY/PARISH Stevens STATE KS CITY Satanta DATE 16 APR 16 OWNER:  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR Dave RIG NAME/NO. 1 SHIPPED VCT DELIVERED TO location ORDER NO.:  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement deep surface pipe WELL PERMIT NO. WELL LOCATION 36-22-35  
 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 TRK 114	120				5.00	600.00
578		1			Pump Charge	1 ea				1250.00	1250.00
409		1			Turbolizer	8 7/8 in		2		95.00	190.00
403		1			Cement Basket	8 7/8 in		1 ea		325.00	325.00
412		1			Baffle Plate	8 7/8 in		1 ea		110.00	110.00
281		1			mud flush	500 gal				1.25	625.00
221		1			KCL flash	2 gal		2 gal		25.00	50.00
290		1			D-Air	3 gal				42.00	126.00
330		1			SWD cement	650 sk				15.75	10237.50
276		1			Flocele	50 lb				2.25	337.50
410		1			top plug	8 7/8 in		1 ea		120.00	120.00

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 DATE SIGNED: TIME SIGNED:  A.M.  P.M. 1330

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?				13970.00	
WE UNDERSTOOD AND MET YOUR NEEDS?				3885.67	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				17856.67	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Stevens	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		CO. 6.5%	784.62
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	18641.29

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

SWIFT OPERATOR: Beil APPROVAL:

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 16 APR 16 PAGE NO.

CUSTOMER American Warrior WELL NO. 4-36 LEASE Dowdy Owens JOB TYPE cement deep surface TICKET NO. 29213

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
							88	650 sk SMD cement w/ 1/4" floccle
								8 5/8 x 24" 41 joints 1745'
								Centralizer #2, #6 Basket #15
								TD: 1746 shoe jt 42'
	0430							on loc TRK 114
	0915							start 8 5/8 x 24" casing in well
	1055							circulate well
	1130	4 1/2	12				200	Pump 50 gal multiflush
		4 1/2	20				200	Pump 20 bbl KCL flush
	1139	5 3/4	89					mix SMD cement 200sk @ 11.8 ppg
		5 3/4	97					mix SMD cement 250sk @ 12.5 ppg
		5 3/4	30					mix SMD cement 100sk @ 13.5 ppg
		5 3/4	25					mix SMD cement 100sk @ 14.5 ppg
			241 total					Release plug
	1230	6 1/4					200	Displace plug
		6 1/4	88				400	— cement to surface
		6 1/4	102				500	50sk top 15'
	1300	6	109				1200	Land plug
								shot in 8 5/8"
								Release pressure to truck
	1805							wash truck
								Rack up
	1335							Job complete
								Thanks Blaine, Clint, Preston & John



CHARGE TO: **AMERICAN WARRIOR**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29292

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>NESS CITY, KS.</b>	WELL/PROJECT NO.	LEASE <b>DOWDY OWENS 435</b>	COUNTY/PARISH <b>STEVENS</b>	STATE <b>KS.</b>	CITY <b>SATANTA, KS.</b>	DATE <b>22 MAY 16</b>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DUKE DRILLING RIG #1</b>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.		
3. WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>5 1/2 LONGSTRING</b>	WELL PERMIT NO.	WELL LOCATION <b>4W, 11S, 3W, 2S, E10</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	120	mi			5.00	600.00
578					Pump CHARGE	1	JOB			1250.00	1250.00
403					CEMENT BASKETS	2	EA			250.00	500.00
406					LATCH DOWN PLUG & BAFFLE	1	EA			225.00	225.00
407					INSERT FLOAT SHOE W/FILL	1	EA			300.00	300.00
409					TURBOLIZERS	10	EA			75.00	750.00
281					MUD FLUSH	500	gpc			1.25	625.00
221					KCL	2	gal			25.00	50.00

**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 *Mike Sedley*  
DATE SIGNED **23 MAY 16** TIME SIGNED **0315**  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	4300.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					5025.25
WE UNDERSTOOD AND MET YOUR NEEDS?					9325.25
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			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	9736.13

Stevens  
Co. TAX 6.5% 410.88

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. 29292

CUSTOMER AMERICAN WARRIOR  
WELL  
DATE 22 MAY 16 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		QTY	U/M	QTY	U/M	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY	U/M					QTY	U/M		
276						FLOCELE			50	lbs			2	25	112	50
279						GEL			3	sx			25	00	75	00
283						SALT			1700	lbs				20	340	00
285						CFR-1			100	lbs			4	50	450	00
286						HAZAD-1			100	lbs			8	00	800	00
325						STANDARD CEMENT			175	sx			12	25	2143	75
581						SERVICE CHARGE							1	50	202	50
583						MILEAGE CHARGE			18700					25	841	50
						TOTAL MILEAGE										
						LOADED MILES			120							
						TON MILES			1122							

CONTINUATION TOTAL 5025<sup>25</sup>

JOB LOG

SWIFT Services, Inc.

DATE 22 May 16 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE Doody Owens 435

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 29292

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							ON LOCATION
	2230							START PIPE 5 1/2 - 17" RTD @ 6350 SHOE JT. 44.00 CENTRALIZERS 1,2,3,4,6,8,10,12,14,16 BASKETS 5,17
	0129							DROP BALL - CIRCULATE
	0205	6	12				400	Pump 500 gal MUD FLUSH
		6	20				400	Pump 20 BBL KCL SPACER
	0212		7.5					PLUG RH-30sx, MH-20sx
	0218	4 1/2	36					MIX 125sx STANDARD 20% GEL, 18% SALT
	0232							WASH OUT Pump & LINES.
	0234	8 1/2						START DISPLACING PLUG.
	0253		146 1/2				1500	PLUG DOWN - LATCH PLUG IN.
	0255							RELEASE PSI - DRY
	0258							WASH TRUCK
	0330							JOB COMPLETE.
								THANKS # 115
								JASON DAVE JOHAN