Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1233126

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 # 4058
Name: American Warrior, Inc.
Address 1: 3118 CUMMINGS RD
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 + ____
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Tinson
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 #: ____

11/01/2014	11/08/2014	11/08/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-081-22085-00-00
Spot Description: ____
SE - NE - SW - NE Sec. 16 Twp. 27 S. R. 31 ☐ East ☑ West
1954 Feet from ☑ North / ☐ South Line of Section
1604 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: ____ *(e.g. xx.xxxxx)* , Long: ____ *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Haskell
Lease Name: Withers Well #: 1-16
Field Name: ____
Producing Formation: None
Elevation: Ground: 2824 Kelly Bushing: 2837
Total Vertical Depth: 5350 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 1637 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: 15000 ppm Fluid volume: 85 bbls
Dewatering method used: Evaporated
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:** NAOMI JAMES **Date:** 11/25/2014

1233126

Operator Name: American Warrior, Inc. Lease Name: Withers Well #: 1-16

Sec. 16 Twp. 27 S. R. 31 ☐ East ☑ West County: Haskell

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 *(Attach Additional Sheets)*	☐ Yes	☑ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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	12.250	8.625	24	1637	Class A	825	3%CC, 2%gel

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	-			
	-			

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 *(Amount and Kind of Material Used)*	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL: _____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Withers 1-16
Doc ID	1233126

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Withers 1-16
Doc ID	1233126

Tops

Name	Top	Datum
Anhy	1816'	+1022
B/Anhy	1898'	+940
Heebner	4106'	-1268
Lansinjg	4162'	-1324
B/KC	4686'	-1848
Marmaton	4704'	-1866
Morrow	5044'	-2206
Chester	5157'	-2319
St.Louis	5263'	-2425

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

Date	11/8/2014	District	Liberal # 21	Ticket No.	64503
Company	American Warrior			Rig	Duke 9
Lease	Withers			Well No	1-16
County	Haskell			State	KS
Location					
Field					

Casing Data: ☐ Conductor ☑ PTA ☐ Squeeze ☐ Misc. ☐ Surface ☐ Intermediate ☐ Production ☐ Liner

Size: 4 1/2 drillpipe | Type: | Weight: 16.6# | Collar:

Casing Depths: Top | Bottom

Drill Pipe:	BBLS/LIN. FT		LIN. FT/BBL
Open Hole:	BBLS/LIN. FT		LIN. FT/BBL
Capacity Factors:	BBLS/LIN. FT		LIN. FT/BBL
Casing	BBLS/LIN. FT		LIN. FT/BBL
Open Holes	BBLS/LIN. FT		LIN. FT/BBL
Drill Pipe	BBLS/LIN. FT	0.01422	LIN. FT/BBL
Annulus	BBLS/LIN. FT		LIN. FT/BBL
	BBLS/LIN. FT		LIN. FT/BBL

Perforations: From | ft to | ft | Amt

CEMENT DATA

Spacer Type | Amt. | Sks | Yield | ft³/sk | Density | PPG

LEAD: Time | hrs. | Type 60/40 4% gel, | Excess

Amt. 220 | Sks | Yield 1.5 | ft³/sk | Density 13.5 | PPG

TAIL: Time | hrs. | Type | Excess

Amt. | Sks | Yield | ft³/sk | Density | PPG

WATER: Lead 7.5 Gal/sk | Tail | Gal/sk | Total 28 BBLS

Pump Trucks Used: 549-550

Bulk Equipment 774-744

Float Equipment: Manufacturer

Shoe: Type | Depth

Float: Type | Depth

Centralizers: Quantity | Plugs Top | Bottom

Stage Collars

Special Equipment

Disp: Fluid Type H2O & Mud | Amt | bbls | Weight | PPG

Mud Type | Weight 9.5

COMPANY REPRESENTATIVE

CEMENTER: Edgar A. Rodriguez

TIME	PRESSURES PSI		FLUID PUMPED DATA			
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	REMARKS
10:30 pm						Arrive on location. Spot equipment and rig up.
10:30						Rig done running drillpipe
11:00						Safety meeting
11:20						1st plug @1800'
11:25	130		5		1.5	Pump 5 bbls of fresh water
11:28	100		27		4	Pump 100 sks of cmt (27 bbls @13.5)
11:36	80		17.5		3.5	Pump 17.5 bbls of mud displacement
11:41						Come out of hole with drillpipe
12:20 am						2nd plug @870'
12:22	60		13		3.5	Pump 50 sks of cmt (13 bbls @13.5)
12:28	60		9		3.5	Pump 9 bbls of displacement
12:31						Come out of hole with drillpipe
12:50						Rig breaking down for Rat and Mouse hole
1:38						3rd plug @60'
1:40	60		5		3	Pump 20 sks of cmt (5 bbls @13.5)
1:42						Come out of hole with drillpipe
1:45	60		8		2.5	Pump 30 sks of cmt in rat hole
1:49						Come of hole with joint
1:50	60		5		2.5	Pump 20 sks of cmt in mouse hole
1:53						Shutdown / Clean lines and truck
1:54						End job
2:00						Rig down equipment
3:00 am						Crew leave location

FINAL DISP. PRESS. 70 PSI | BUMP PLUG TO | PSI | BLEEDBACK | BBLS | THANK YOU

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

Date 11/2/2014 District Liberal # 21 Ticket No. 61672
Company American Warrior Rig Duke # 9
Lease withers Well No 1-16
County Haskell State KS
Location
Field

Casing Data ☐ Conductor ☐ PTA ☐ Squeeze ☐ Misc. ☑ Surface ☐ Intermediate ☐ Production ☐ Liner
Size 8 5/8 Type Weight 24 Collar

Casing Depths Top Bottom 1654

CEMENT DATA
Spacer Type 20 BBL LC SPACER
Amt. Sks Yield ft³/sk Density PPG

LEAD: Time hrs. Type CLASS A
65/35, 6%GEL, 6%BWOC CC,0.5# FLOSEAL Excess
Amt. 625 Sks Yield 2 ft³/sk Density 12.47 PPG
TAIL: Time hrs. Type CLASS A
3%cc,,1/4 floseal Excess
Amt. 200 Sks Yield 1.2 ft³/sk Density 15.63 PPG
WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total BBLS

Pump Trucks Used: 530-484
Bulk Equipment 774-744
956-841

Drill Pipe:	BBLS/LIN. FT		LIN. FT/BBL	
Open Hole:	BBLS/LIN. FT		LIN. FT/BBL	
Capacity Factors:	BBLS/LIN. FT		LIN. FT/BBL	
Casing	BBLS/LIN. FT	0.0637	LIN. FT/BBL	
Open Holes	BBLS/LIN. FT		LIN. FT/BBL	
Drill Pipe	BBLS/LIN. FT		LIN. FT/BBL	
Annulus	BBLS/LIN. FT	0.0735	LIN. FT/BBL	13.6037
	BBLS/LIN. FT		LIN. FT/BBL	

Perforations From ft to ft Amt

Float Equipment: Manufacturer WEATHERFORD
Shoe: Type GUIDE SHOE Depth 1654
Float: Type AFU Insert Valve Depth 1613.14
Centralizers: Quantity 3 Plugs Top 1 Bottom
Stage Collars
Special Equipment 1 Cement Basket @ 900 ft
Disp: Fluid Type H2O Amt 102.7 bbls Weight 8.34 PPG
Mud Type Weight

COMPANY REPRESENTATIVE

CEMENTER CESAR PAVIA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	
1230PM						ARRIVE TO LOCATION -- RUN FLOAT EQUIPMENT
300PM						CASING ON BOTTOM
315PM						RIG UP
330PM						SAFETY MEETING
400PM	2000					PRESSURE TEST
410PM	80		5		5	5 BBL H2O
414PM	100		227		5	PUMP 222 BBL OF LEAD SLURRY CEMENT
455PM	120		269.7		5	PUMP 42.7 BBL OF TAIL SLURRY CEMENT
510PM					5	RELEASE PLUG- START DISPLACEMENT, LOST CIRCULATION
520PM	60		289.7		5	20 BBL GONE
525PM	80		309.7		5	40 BBL GONE
528PM	120		329.7		5	60BBLGONE 58 BBL CATCH CEMENT
530PM	300		349.7		5	80 BBL GONE
535PM	350		369.7		3	100 BBL GONE SLOW DOWN TO 3 BPM
540PM	600		372.7		3	102.7 BBL BUMP PLUG
545PM	1200					RELEASE PRESSURE, CHECK FLOATS
						43 BBL CIRCULATE TO SURFACE
600PM						RIG DOWN
630PM						LEAVE LOCATION

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 1.5 BBLS THANK YOU

Geological Report

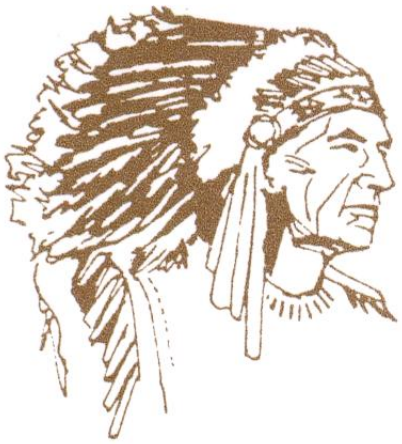
American Warrior, Inc.

Withers #1-16

1954’ FNL & 1604’ FEL

Sec. 16, T27s, R31w

Haskell County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Withers #1-16 1954’ FNL & 1604’ FEL Sec. 16, T27s, R31w Haskell County, Kansas API # 15-081-22085-00-00
Drilling Contractor:	Duke Drilling Co. Rig #9
Geologist:	Kevin Timson
Spud Date:	November 1, 2014
Completion Date:	November 9, 2014
Elevation	2825’ G.L. 2838’ K.B.
Directions:	From Garden City, KS. Go South on Hwy 83 18 miles to 30th Rd. Go East 9 miles to VV Rd. Go South 1/2 mile East on lease road and North into.
Casing:	1657’ 8 5/8” #24 Surface Casing
Samples:	4000’ to RTD 10’ Wet & Dry
Drilling Time:	4000’ to RTD
Electric Logs:	Pioneer Energy Services “J. Long” Full Sweep
Drillstem Tests:	None
Problems:	None

Formation Tops

Withers #1-16

Sec. 16, T27s, R31w

1954’ FNL & 1604’ FEL

Anhydrite	**1816' +1022**
Base	**1898' +940**
Heebner	**4106' -1268**
Lansing	**4162' -1324**
Stark	**4562' -1724**
Bkc	**4686' -1848**
Marmaton	**4704' -1866**
Pawnee	**4789' -1951**
Fort Scott	**4822' -1984**
Cherokee	**4836' -1998**
Morrow	**5044' -2206**
Chester	**5157' -2319**
St. Gen	**5179' -2341**
St. Louis	**5263' -2425**
RTD	**5350' -2512**
LTD	**5351' -2513**

Structural Comparison

Formation	American Warrior, Inc. Withers #1-16 Sec. 16, T27s, R31w 1954' FNL & 1604' FEL		Texas Oil & Gas Nusser #1 Sec. 3, T27s, R31w 330' FSL & 330' FWL		American Warrior, Inc. Frank #1-4 Sec. 4, T27s, R31w 1741' FNL & 1635' FWL
Heebner	**4106' -1268**	**-20**	4060' -1248	**-20**	4074' -1248
Lansing	**4162' -1324**	**-20**	4116' -1304	**NA**	4149' -1323
Stark	**4562' -1724**	**-36**	4500' -1688	**-36**	4514' -1688
BKC	**4686' -1848**	**-33**	4627' -1815	**-38**	4636' -1810
Marmaton	**4704' -1866**	**-26**	4644' -1832	**-38**	4654' -1828
Pawnee	**4789' -1951**	**-37**	4726' -1914	**-40**	4737' -1911
Fort Scott	**4822' -1984**	**-40**	4756' -1944	**-41**	4769' -1943
Cherokee	**4836' -1998**	**-41**	4769' -1957	**-41**	4783' -1957
Morrow	**5044' -2206**	**-58**	4960' -2148	**-49**	4983' -2157
Chester	**5157' -2319**	**-67**	5064' -2252	**-91**	5054' -2228
St. Gen	**5179' -2341**	**-55**	5098' -2286	**-85**	5082' -2256
St. Louis	**5263' -2425**	**-105**	5132' -2320	**-93**	5158' -2332

Summary

The location for the Withers #1-16 well was found via 3-D seismic survey. The new well ran structurally lower than expected. No drill stem tests were conducted due to lack of shows throughout the well. After all the gathered data had been examined, the decision was made to plug and abandon the Withers #1-16 well.

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.