

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1054636

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 #		API No. 15	
Name:		Spot Description:	
Address 1:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from Dorth / South Line of Section
City: State: Zip	+	Fe	eet from East / West Line of Section
Contact Person:			Nearest Outside Section Corner:
Phone: ()		,	/ SE SW
CONTRACTOR: License #			
Name:		-	Well #:
Wellsite Geologist:			VVCII #
0			
Purchaser:		C C	Kelle Davidson
Designate Type of Completion:			Kelly Bushing:
New Well Re-Entry	Workover	·	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing (Collar Used? 🗌 Yes 🗌 No
OG GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt
If Workover/Re-entry: Old Well Info as follows:			
Operator:			
Well Name:		Drilling Fluid Managemen (Data must be collected from th	
Original Comp. Date: Original Tot	tal Depth:		
	ENHR Conv. to SWD	Chloride content:	ppm Fluid volume: bbls
Conv. to	GSW	Dewatering method used: _	
Plug Back: Plug		Location of fluid disposal if	hauled offsite:
Commingled Permit #:	-	Operator Name:	
Dual Completion Permit #:			
SWD Permit #:			License #:
ENHR Permit #:		Quarter Sec	TwpS. R [_] East [_] West
GSW Permit #:		County:	Permit #:
Spud Date or Date Reached TD Recompletion Date	Completion Date or Recompletion Date		

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

	Side Two	1054636
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

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 (Attach Additional She	eets)	Yes No		Log Forma	ation (Top), Depth an		Sample Datum
Samples Sent to Geolog	ical Survey	Yes No		Name		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	ilectronically	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No 					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	et-conductor, surfac	e, intermediate, prod	uction, 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: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify For	NRECOR	RD - Bridge P Each Interval	Plugs Set/Typ Perforated	e			ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Pr	oducti	on, SWD or ENHF	۲.	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF G	AS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A		Commingled (Submit ACO-4)		
(If vented, Subm	it ACO	-18.)		Other (Specify))					

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Witthuhn Unit 3-26
Doc ID	1054636

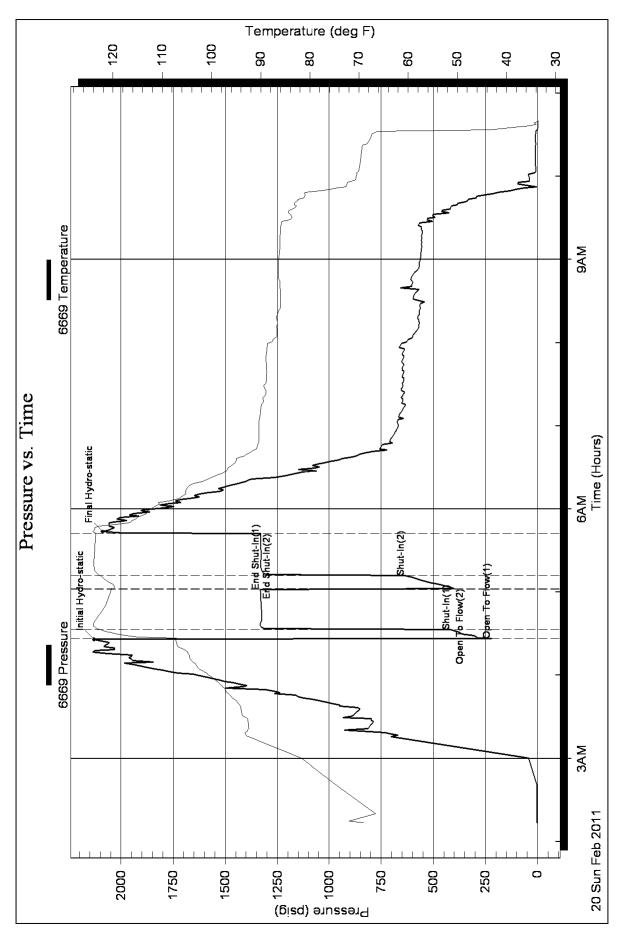
Tops

Name	Тор	Datum
Anhydrite	1402	746
Heebner	3604	-1456
Lansing	3648	-1500
ВКС	3968	-1820
Pawnee	4056	-1908
Ft. Scott	4134	-1986
Cherokee	4154	-2006
Mississippian	4213	-2065
TD	4223	-2075

	DRILL STEM TES	ST REP	ORT			
RILOBITE	American Warrior, Inc.		Witthu	ıhn Unit	#3-26	
ESTING , INC	3118 Cummings Road Garden City KS 67846		25-18-2	22 Ness (Co KS	
	·			et: 040688		: 1
	ATTN: Jason Alm		Test Sta	art: 2011.0	2.20 @ 02:13:15	
GENERAL INFORMATION:						
Formation:MissDeviated:NoWhipstock:Time Tool Opened:04:26:00Time Test Ended:10:40:00	ft (KB)		Test Ty Tester: Unit No:	Mike	entional Bottom F Roberts	łole
Interval:4180.00 ft (KB) To42Total Depth:4223.00 ft (KB) (The second secon			Referen	ice Elevatio KB to GR	2142.0	00 ft (KB) 10 ft (CF) 10 ft
Serial #: 6669OutsidePress@RunDepth:632.42 psigStart Date:2011.02.20Start Time:02:13:15TEST COMMENT:IF:BOB in 1 min	 4218.00 ft (KB) End Date: End Time: 	2011.02.20 10:40:00	Capacity: Last Calib.: Time On Btm Time Off Btm		8000.0 2011.02.2 .02.20 @ 04:25:4 .02.20 @ 05:43:1	5
IS:Return blow b FF:BOB in 1 min. FS:No return blo	w					
Pressure vs. 1 0009 Pressure	6669 Temperature	Timo				
2000 1700			(psig) (d. 2129.71 10 220.06 10 414.62 12 1330.80 12 400.52 12 632.42 12 1329.96 12	eg F) 07.31 Initia 06.97 Ope 22.49 Shu 20.37 End 20.10 Ope 22.47 Shu 23.47 End	nnotation al Hydro-static en To Flow (1) ut-ln(1) I Shut-ln(1) en To Flow (2) ut-ln(2) I Shut-ln(2) al Hydro-static	
Recovery			i	Gas Ra	- 1 1	
Length (ft) Description 189.00 mco 30%m 70%o	Volume (bbl)			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
189.00 1100 30% 1170% 1 1449.00 0 100% 0	20.33					
Trilobite Testing, Inc	Ref. No: 040688			intod: 2014	1.02.21 @ 13:21:	56 Page 1

	RILOBI	TE	DRI	LL S	TEM TEST	REPORT	Г		FLU	JID SUMMAF
能」L			Americ	an Warri	or, Inc.		Witthuhn	Unit #3-2	26	
	ESTI	NG , INC	01100	ummings			25-18-22 N	less Co k	٨S	
			Garder	n City KS	67846		Job Ticket: (040688	DS	ST#:1
			ATTN:	Jason A	Alm		Test Start: 2	2011.02.20	@ 02:13	:15
lud and Cus	hion Info	rmation								
• •	Chem				Cushion Type:			Oil A PI:		34 deg A Pl
ud Weight:	9.00 lb/				Cushion Length:		ft	Water Sali	inity:	0 ppm
iscosity:	60.00 se	-			Cushion Volume:		bbl			
/ater Loss: esistivity:	7.79 in [:] 0.00 of				Gas Cushion Type: Gas Cushion Press		psig			
alinity:	5200.00 pp			,		ure.	psig			
lter Cake:	1.00 inc									
ecovery Info	ormation									
	Г		4		Recovery Table			Т		
		Leng ft	Ith		Description		Volume bbl			
			189.00	1	%m 70%o		1.540	-		
	L		449.00	0 100%	0		20.326	6		
	Tota	al Length:	1638	.00 ft	Total Volume:	21.866 bbl				
	Lab	n Fluid Sam oratory Nar overy Com	ne:		Num Gas Bombs Laboratory Loca		Serial #	÷		
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Printed: 2011.02.21 @ 13:21:58 Page 3

Ref. No: 040688

Trilobite Testing, Inc

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-)	RVICE?	YOU SATISFIED WITH OUR SERVICE?	ARE YOU SATISFI			TIME SIGNED	1/100	DATE SIGNED
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1 211/21				DOWN?	WE UNDERSTOOL		DEMNITY, and	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	ed to, PAYME	but are not limit
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	2141	6	20				300	Punp 20 Bill KCL F	LUSH
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20148			
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STOMER	G		WELL NO.			LEASE	Servi	
MERI	ian wari	RIDR				UNITTAU		TOKET NO. 20148
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMP T	8 C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
1	1800							ON LOOTION
	1830							START PIPE 52-15.54
	-							RTDE 4/223 SETE 4/222
						•		SHUEJOINT 39.48
	-							CENTRALIZERS 1,2,3,4,80
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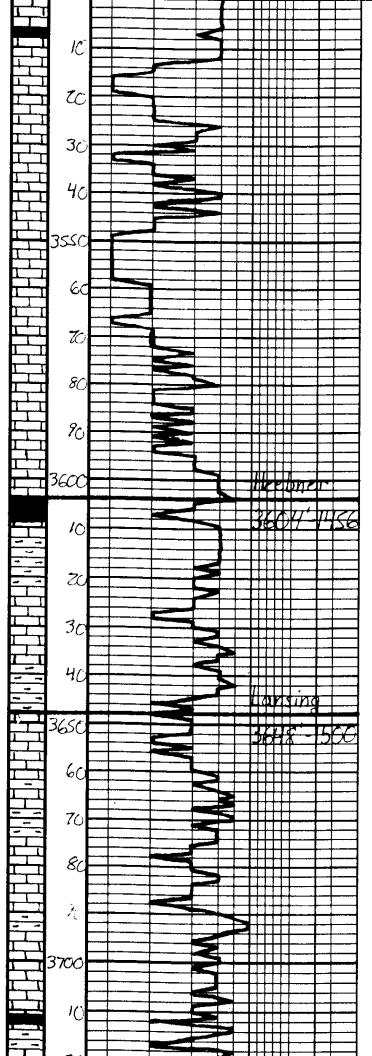
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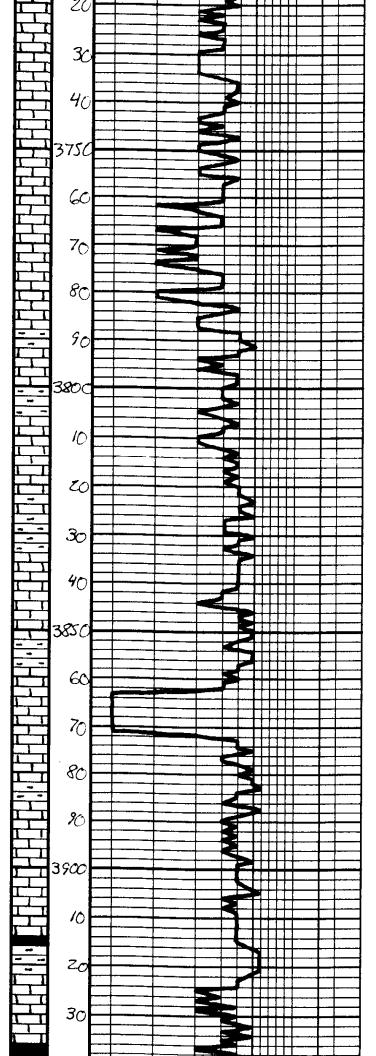
SWIFT Services, Inc. DATE TS FEB / PAGE NO. **JOB LOG** TICKET NO. ZOLOO LOB TYPE Cement Anaulus CUSTOMER American Wattion WELL NO. LEASE Unit . 3-26 WITT Juhn PRESSURE (PSI) PUMPS CHART NO. VOLUME (BBL) (GAL) RATE TIME DESCRIPTION OF OPERATION AND MATERIALS C TUBING CASING Ŧ 125th SMD w/ flocke 5主× 8天 commit in 88 annulus on loc TRK 114 1330 PRESSUR 52 CAN' to 500 ps: 1340 500 Pung drum 85%. Braden heid hanking Reprod Braden head Inj rate down Sty 3 bp+ @ 400ps 1400 7 3 400 mix SMD comment @ 12.4 ppg-1415 400 3 48 Kick out 3 400 1435 close value - holding 350 psi 350 und truck RACK up job complete KID thats. John Bloin & Dan

REFERENCE WELL FOR STRUCTURAL COMPARISON American laboring. The Withhubu Unit #2-76 Sec 26 TIRS RZZL	2002 2002 2002 2002 2002 2002 2002 200	FROM <u>3500</u> 10 ROM <u>3500</u> 10 ROM FROM <u>3700</u> 10 INPE MUD <u>10</u> 100 DATUM TOP	Petromerk Drilling 1/2 Rig #1 SURFACE 85 14-2011 COMP: 7-27-2011 3 LOG TD Almac PRODUCTION 5		P.O. Box 1260 Hays, KS 67601 APT # 15-135-25216-CCCC GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG
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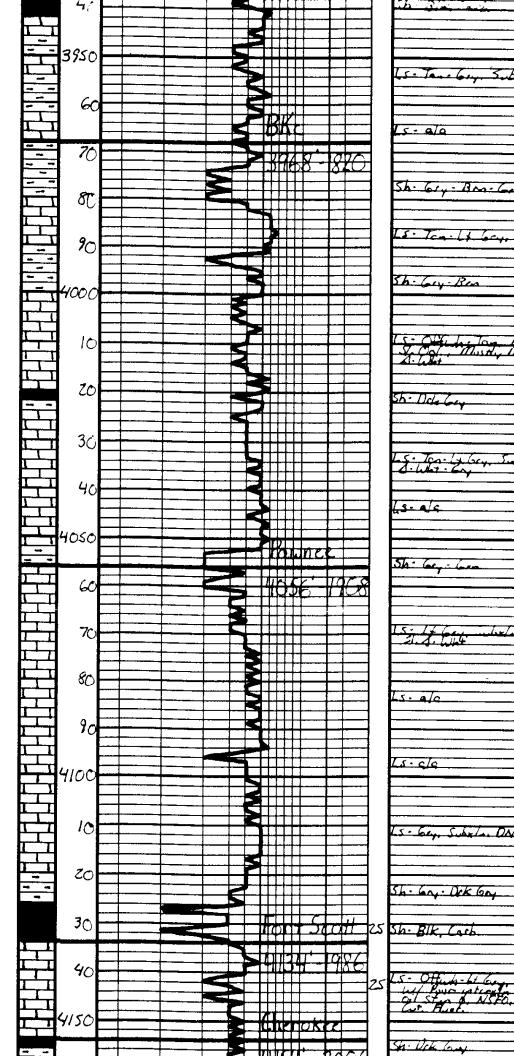
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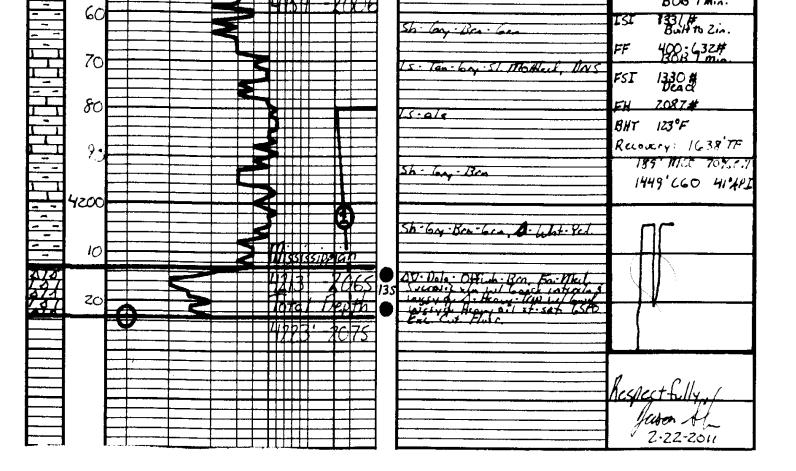
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Geological Report

American Warrior, Inc. Witthuhn Unit #3-26 880' FSL & 80' FWL Sec. 25 T18s R22w Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Witthuhn Unit #3-26 880' FSL & 80' FWL Sec. 25 T18s R22w Ness County, Kansas API # 15-135-25216-0000
Drilling Contractor:	Petromark Drilling, LLc. Rig #1
Geologist:	Jason Alm
Spud Date:	February 14, 2010
Completion Date:	Fedruary 21, 2010
Elevation:	2142' Ground Level 2148' Kelly Bushing
Directions:	Bazine KS, 1 mi. West on Hwy 96, North and East into location.
Casing:	1413' 8 5/8" surface casing 4222' 5 1/2" production casing
Samples:	10' wet and dry, 3500' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Mike Roberts"
Problems:	None
Remarks:	Fluid from DST #1 was circulated into a Vacuum Truck, 15 bbl total.

	American Warrior, Inc.
	Witthuhn Unit #3-26
	Sec. 25 T18s R22w
Formation	880' FSL & 80' FWL
Anhydrite	1402', +746
Base	1443', +705
Heebner	3604', -1456
Lansing	3648', -1500
BKc	3968', -1820
Pawnee	4056', -1908
Fort Scott	4134', -1986
Cherokee	4154', -2006
Mississippian	4213', -2065
RTD	4223', -2075

Formation Tops

Sample Zone Descriptions

Mississippian Osage (4213', -2065): Covered in DST #1

Dolo $-\Delta$ – Fine to medium sucrosic crystalline with good intercrystalline and vuggy porosity, very heavy chert, triptolitic, weathered with good vuggy porosity, heavy oil stain and saturation, good show of free oil, good odor, excellent yellow cut fluorescents, 135 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Mike Roberts"

DST #1	$\begin{array}{rrr} \text{IHP} & -212'\\ \text{IFP} & -5''\\ \text{ISI} & -30'' \end{array}$	0' – 4223') And 9 # – B.O.B. 1 mir – Built to 2 in. – B.O.B. 1 mir – Dead 7 #	220-414 # 1331 # 400-632 # 1330 #
	Recovery:	189' MCO 1449' GCO	

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Witthuhn Unit #3-26	Witthuhn Unit #2-26		Witthuhn Unit #1-26	
	Sec. 25 T18s R22w	Sec. 26 T18s R22w		Sec. 26 T18s R22w	
Formation	880' FSL & 80' FWL	140' FSL & 335' FEL		2200' FSL & 40' FEL	
Anhydrite	1402', +746	1404', +744	(+2)	1409', +743	(+3)
Base	1443', +705	1447', +701	(+4)	NA	NA
Heebner	3604', -1456	3607', -1459	(+3)	3602', -1450	(-6)
Lansing	3648', -1500	3653', -1505	(+5)	3648', -1496	(-4)
BKc	3968', -1820	3969', -1821	(+1)	3965', -1813	(-7)
Pawnee	4056', -1908	4062', -1914	(+6)	4054', -1902	(-6)
Fort Scott	4134', -1986	4133', -1985	(-1)	4129', -1977	(-9)
Cherokee	4154', -2006	4151', -2003	(-3)	4151', -1999	(-7)
Mississippian	4213', -2065	4213', -2065	FL	4220', -2068	(+3)
		-			

Summary

The location for the Witthuhn Unit #3-26 was found via 3-D seismic survey. The new well ran structurally higher than expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 $\frac{1}{2}$ inch production casing to further evaluate the Witthuhn Unit #3-26 well.

Recommended Perforations

Mississippian Osage:	(4213' – 4222')	DST #1

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.