

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1070093

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	County:
Name:	
Wellsite Geologist:	
Purchaser:	-
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
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:	Amount of Surface Pipe Set and Cemented at:
Operator:	_
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWE	Chloride content: ppm Fluid volume: bbls
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East 🗌 West
ENHR Permit #: GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date 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 III Approved by: Date:

	Side Two	
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		Yes	No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	No No No					
List All E. Logs Run:								
		Report all		RECORD No	ew Used ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Cas Set (In C		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 Fo		RD - Bridge F Each Interval		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Sub	mit ACC)-18.)		Other (Specify))					

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Connie 1-15
Doc ID	1070093

Tops

Name	Тор	Datum
Anhydrite	1482	704
Heebner	3647	-1461
Lansing	3693	-1507
Base KC	4007	-1821
Pawnee	4090	-1904
Ft. Scott	4174	-1988
Cherokee	4193	-2007
Mississippian	4256	-2070
RTD	4290	-2104

Geological Report

American Warrior, Inc. **Connie #1-15** 1251' FSL & 484' FWL Sec. 15 T18s R22w Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Connie #1-15 1251' FSL & 484' FWL Sec. 15 T18s R22w Ness County, Kansas API # 15-135-25205-0000
Drilling Contractor:	Petromark Drillling, LLc Rig # 1
Geologist:	Jason Alm
Spud Date:	May 26, 2011
Completion Date:	June 3, 2011
Elevation:	2180' Ground Level 2186' Kelly Bushing
Directions:	Bazine KS, 3 mi. West on Hwy 96 to AA rd. North 3.5 mi. East and South into location.
Casing:	220' 8 5/8" surface casing 4289' 5 1/2" production casing
Samples:	10' wet and dry, 3600' to RTD
Drilling Time:	3600' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Andy Carreira"
Problems:	None
Remarks:	Mud Pump was washed with diesel fuel possibly causing 65 unit gas kick in the Warsaw.

	American Warrior, Inc.
	Connie #1-15
	Sec. 15 T18s R22w
Formation	1251' FSL & 484' FWL
Anhydrite	1482', +704
Base	1517', +669
Heebner	3647', -1461
Lansing	3693', -1507
BKc	4007', -1821
Pawnee	4090', -1904
Fort Scott	4174', -1988
Cherokee	4193', -2007
Mississippian	4256', -2070
Osage	4274', -2088
RTD	4290', -2104

Formation Tops

Sample Zone Descriptions

Mississippian Warsaw (4256', -2070): Covered in DST #1 Dolo – Fine crystalline with poor to fair vuggy porosity, fair to heavy oil stain in porosity, fair show of free oil, dull yellow fluorescents, 65 units hotwire.

Mississippian Osage(4274', -2088):Covered in DST #1 $Dolo - \Delta$ - Fine sucrosic crystalline with fair inter-crystalline and
vuggy porosity, trip chert, fairly weathered with good vuggy
porosity, light to good oil stain in porosity, show of free oil, good
odor, bright yellow fluorescents, 40 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Andy Carreira"

DST #1	Mississippia	<u>Mississippian Osage</u>						
	Interval (422	Interval (4220' – 4285') Anchor Length 65'						
	IHP –209	5 #	-					
	IFP – 45'	' – Built to 3 in.		21-61 #				
	ISI – 45'	– 45'' – Dead						
	FFP – 45'	– 45" – Built to 4 in.						
	FSI – 45'	' – Dead		1004 #				
	FHP – 204	FHP – 2046 #						
	BHT -114	4°F						
	Recovery:	50' Clean Oil						
	5	100' HOCM	30% Oil					

Structural Comparison

	American Warrior, Inc.	Grand Mesa Operating Co.			
	Connie #1-15	Stieben #1-15		Larry Stieben #1-21	
	Sec. 15 T18s R22w	Sec. 15 T18s R22w		Sec. 21 T18s R22w	
Formation	1251' FSL & 484' FWL	1030' FSL & 800' FWL		1030' FNL & 1660' FEL	
Anhydrite	1482', +704	1484', +704	FL	1525', +709	(-5)
Base	1517', +669	1519', +669	FL	1558', +676	(-7)
Heebner	3647', -1461	3651', -1463	(+2)	3690', -1456	(-5)
Lansing	3693', -1507	3697', -1509	(+2)	3736', -1502	(-5)
BKc	4007', -1821	4012', -1824	(+3)	4052', -1818	(-3)
Pawnee	4090', -1904	4094', -1906	(+2)	4130', -1896	(-8)
Fort Scott	4174', -1988	4180', -1992	(+4)	4214', -1980	(-8)
Cherokee	4193', -2007	4198', -2010	(+3)	4236', -2002	(-5)
Mississippian	4256', -2070	4268', -2080	(+10)	4305', -2071	(+1)
Osage	4274', -2088	4284', -2096	(+8)	4313', -2079	(-9)

Summary

The location for the Connie #1-15 was found via 3-D seismic survey. The new well ran structurally as 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 examined the decision was made to run 5 1/2 inch production casing to further evaluate the Connie #1-15 well.

Recommended Perforations

Mississippian Warsaw:	(4256' – 4270')	DST #1
Mississippian Osage:	(4274' – 4287')	DST #1

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

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DRILL STEM TESTS			
No. Interval IFP/Time ISP/Time IFP/Time ISP/Time ISP/Time	olomite	REMARKS	leco on location 10:00a.m. 5-31-2011
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The location for the Connie #1-15 was found via 3.D seismic survey. The new Well ran structurally as 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 Siz inch production casing to further evaluate the Connie #1-15 well.		DRILLING TIME Logarithmic Scale) 5 1 2 3 4 5 10 15 20 2	Monormal and a series of the s
Respectfully Submitteel,	-	DEPTH	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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ALLIED CEMENTING CO., LLC. 038811

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT: G- Eat Be- AND

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DATE 5-27-11	SEC. 29	TWP. 185	RANGE		CALLED OUT	ON LOCATION	JOB START	JOB FINISH
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Thank You!)					/AL	M APPROVA	Way M	SWIFT OPERATOR
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٢	15-195-22	WE	WELL PERMIT NO.	llor	consult port all	Development	0		
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	PAGE					DODE	CITY, STATE, ZIP CODE		Services
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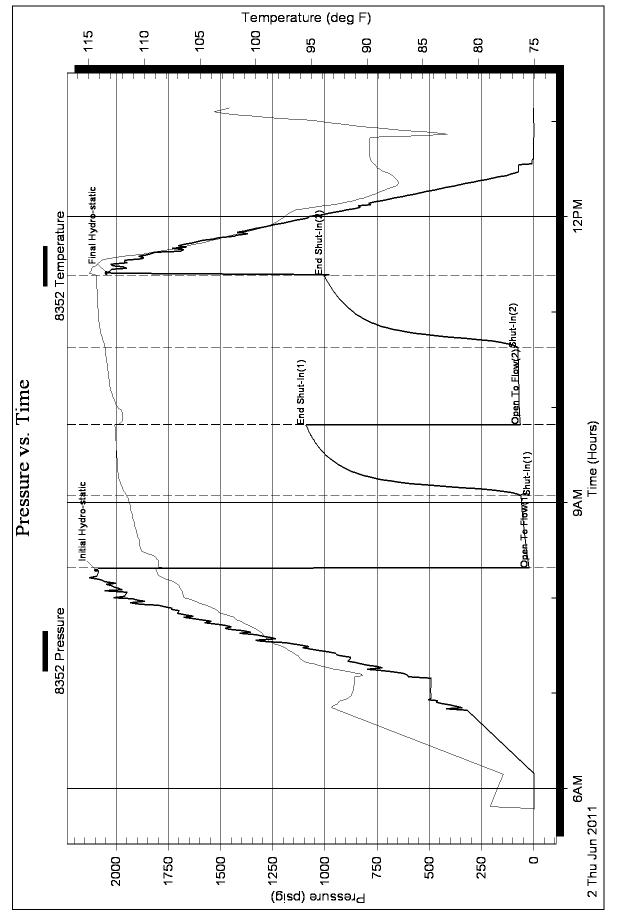
USTOMER		<u>k1</u>	WELL NO.	1	LIELOE		ces, Inc. DATE 10 gos 11 PAGE NO JOB TYPE cervent port rollar TICKET NO. 20833
A	her clas	Norrior		1-15	1 6	Mia	cement port rollar 20833
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
<i>.</i>				 			17556 SmD w/ flocela
		is .	·				Portcoller 1439 238×52
							2%×52
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	14.2						
	1300		ļ				on loc TRK 114
·-··· ,					+		
					(6	hook up to well
	1341				1000	1000	test to 1000 psi - held
						i	OPEN PORTCOLLAR
	•	3				400	1 0 + 71 6400
		3	2			10	injection Rate 3 bpm@400
	1354		<u> </u>			·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-	1237	4	1/2		350		Mix SMD @ 11.2 ppgy pluid circulates to pit
			12		350		feur circulous jo piF
an trati	1410	4	65		500		cement to surface
	1110						125 sts Miner
<u></u>			1			1	
			5				displace 5 bbl H20
X							close PORT COLLAR
	1418				1000	1000	test to 1000 psi - held
	1430						Run 5 joints
	1435	1	20				Reverse Hole clean - 2 com. + flo
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	1515	1	ļ			ļ	job complete
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	DRILL STEM TE	S	TREPO	ORT				
RILOBITE	American Warrior inc.			Со	nnie #1-	15		
ESTING , INC	PO Box 399 Garden City Ks. 67846			-	18 s-22w			<i>u. A</i>
	ATTN: Jason Alm				Ticket: 04 t Start: 20		DST: 02 @ 05:47:05	
GENERAL INFORMATION: Formation: Mississippi Deviated: No Whipstock: Time Tool Opened: 08:18:40	ft (KB)			Tes	ter:	Andy C	ntional Bottom I Carreira	Hole
Time Test Ended:13:08:29Interval:4220.00 ft (KB) To4Total Depth:4285.00 ft (KB) (THole Diameter:7.88 inches Hol					erence Ele	39 evation o GR/0	2180.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8352 Outside Press@RunDepth: 74.95 psig Start Date: 2011.06.02 Start Time: 05:47:05	 @ 4224.00 ft (KB) End Date: End Time: 	:	2011.06.02 13:08:29	Capacity Last Calil Time On Time Off	b.: Btm: 2		8000.0 2011.06.0 6.02 @ 08:17:2 6.02 @ 11:24:3	20
TEST COMMENT: IF:(45min) Fair E IS:(45min) No R FF:(45min) Fair FS:(45min) No F	eturn Blow , 4 inches							
Pressure vs.	_			PI	RESSUR	RE SL	JMMARY	
8802 Pressue 2000 1200 100	8502 Temperature 110 110 110 110 100 100 100 10	Temperature (deg F)	Time (Min.) 0 2 47 92 92 141 186 188	Pressure (psig) 2095.10 21.37 60.50 1091.90 63.80 74.95 1004.34 2045.84		Initial Open Shut- End S Open Shut- End S	Shut-In(1) To Flow (2)	
Recovery				I	Ga	s Rat	es	
Length (ft) Description	Volume (bbl)				Choke (i	nches)	Pressure (psig)	Gas Rate (MMcf/d)
100.00 OCM 0=30% m=70% 50.00 CO o=100%	0.49 0.52							
Trilobite Testing, Inc	Ref. No: 042635					0011	06.03 @ 08:20	

	RILOBITE		L STEM TE	STREFU			FLUID SI	JMMAI
部で	ESTING , INC	America	n Warrior inc.		Connie #	1-15		
	ESTING, INC.	PO Box 3 Garden (399 City Ks. 67846		15-18s-22 Job Ticket:		DST#:1	
		ATTN:	Jason Alm			2011.06.02 @ 05	-	
Mud and Cus	hion Information							
Aud Type: Gel Aud Weight: /iscosity: Nater Loss: Resistivity: Salinity:	Chem 9.00 lb/gal 50.00 sec/qt 10.80 in ³ ohm.m 8800.00 ppm		Cushion Type: Cushion Length Cushion Volum Gas Cushion T Gas Cushion P	e: ype:	ft bbl psig	Oil API: Water Salinity:		deg AF ppm
Filter Cake:	inches							
Recovery Info	ormation		Recovery Tal	ble				
	Lengt ft	th	Description		Volume bbl			
			OCM 0=30% m=70%		0.49	→		
	Total Length:	50.00	CO o=100% 0 ft Total Volum	e: 1.011	0.51	ম		
	Num Fluid Samp Laboratory Nam	ne:	Num Gas Bo Laboratory		Serial			
	Recovery Com	nents:						
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Ref. No: 042635

Trilobite Testing, Inc