Geological Report

American Warrior, Inc.

Congdon #12-28

1380' FSL & 2566' FEL

Sec. 28, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Congdon #12-28 1380' FSL & 2566' FEL Sec. 28, T23s, R32w Finney County, Kansas API # 15-055-22274-00-00		
Drilling Contractor:	Duke Drilling Co. Rig #1		
Geologist:	Kevin Timson		
Spud Date:	January 25, 2014		
Completion Date:	February 5, 2014		
Elevation	2840' G.L. 2852' K.B.		
Directions:	From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker 2 miles to Rodkey Rd. Go West ¼ mile on Rodkey and NNW into location.		
Casing:	1703' 8 5/8" #24 Surface Casing 4897' 5 ½" #17 Production Casing		
Samples:	4400' to RTD 10' Wet & Dry		
Drilling Time:	3800' to RTD		
Electric Logs:	Pioneer Energy Services "C. Desaire" Full Sweep		
Drillstem Tests:	Three-Trilobite Testing "Shane McBride"		
Problems:	Hit bridge with bit twice around 2000'.		

Formation Tops

Congdon #12-28 Sec. 28, T23s, R32w 1380' FSL & 2566' FEL

Anhydrite	1871' +981
Base	1958' +894
Heebner	3841' -989
Lansing	3884' -1032
Stark	4252' -1400
Bkc	4407' -1555
Marmaton	4448' -1596
Pawnee	4486' -1634
Fort Scott	4515' -1663
Cherokee	4527' -1675
Morrow	4694' -1842
Mississippian	4722' -1870
RTD	4900' -2048
LTD	4904' -2052

Sample Zone Descriptions

Morrow (4694', -1842): Covered in DST #2

Ss. Grey glauconitic. Fine to medium grain. Poor to moderately rounded. Dirty. Poor stain. Poor saturation. No show of free oil. Poor odor. 15 Unit gas kick.

St. Louis (4722',-1870): Covered in DST #3

Ls. Off-White, Tan. Sub-Med crystalline. Fair oolycastic and oomodlic porosity. Fair stain and fair saturation in porosity. Show of free oil when broken. Fair odor. 70 Unit gas kick.

Drill Stem Tests

Trilobite Testing

"Shane McBride"

DST #1	<u>Cherokee</u>				
	Interval (4503'- 4540') Anchor Length 37'				
	IHP	-2223 #	ŧ		
	IFP	- 30" –	1/4" blow died in 8 min		17-18 #
	ISI	- 30" –	No return		28 #
	FFP	- 10" –	No blow		17-18#
	FSIP	- Pull T		NA	
	FHP	- 2214 =	#		
	BHT	- 104° I	7		
	Recov	ery:	1' Mud		
DST #2	<u>Morrow</u>				
	Interval (4684' – 4711') Anchor Length 27'				
	IHP	- 2349 7	#		
	IFP	- 30" –	1/4" blow died in 6 min		22-23 #
	ISI	- 30" –	No return		41 #
	FFP	- 10" –	No blow		24-23 #
	FSIP	- Pull T	ool		NA
	FHP	- 2274 =	#		
	BHT	- Not R	ecorded		
	Recov	ery:	3' Mud		
DST #3	St. Louis				
	Interva	al (4780'	- 4796') Anchor Length 16'		
	IHP	- 2420 7	#		
	IFP	- 30" –	BOB in 8.5 min		25-89 #
	ISI	- 45" –	2.5" return blow		1506#
	FFP	- 45" –	BOB in 10 min		93-171 #
	FSIP	- 60" –	9.5" return blow		1475 #
	FHP	- 2390 7	#		
	BHT	- 117° F	7		
	Recov	ery:	31' CGO (85% Oil)	Gravity	y: 32
			93' GOMCW (15% Oil)		
			93' GSMCW & 124' GW &	1023' C	SIP

Structural Comparison

Formation	American Warrior, Inc. Congdon #12-28 Sec. 28, T23s, R32w 1380' FSL & 2566' FEL		American Warrior, Inc. Congdon #10-28 Sec. 28, T23s, R32w 335' FSL & 1248' FEL		American Warrior, Inc. Congdon #6-28 Sec 28, T23s, R32w 942' FSL & 1745' FEL		
Heebner	3841' -989	+12	3859' -1001	+3	3845' -992		
Lansing	3884' -1032	+11	3901' -1043	+4	3889' -1036		
Stark	4252' -1400	+4	4262' -1404	-1	4252' -1399		
BKC	4407' -1555	FL	4413' -1555	-8	4400' -1547		
Marmaton	4448' -1596	-14	4440' -1582	-22	4427' -1574		
Pawnee	4486' -1634	+1	4493' -1635	-8	4479' -1626		
Fort Scott	4515' -1663	+6	4527' -1669	-3	4513' -1660		
Cherokee	4527' -1675	+6	4539' -1681	-2	4526' -1673		
Morrow	4694' -1842	+7	4707' -1849	-2	4693' -1840		
Miss	4722' -1870	+60	4788' -1930	-11	4712' -1859		

Summary

The location for the Congdon #12-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem test was conducted, one of which recovered commercial quantities of oil from the St. Louis Limestone formation. After all the gathered data had been examined, the decision was made to run $5\frac{1}{2}$ " production casing to further evaluate the Congdon #12-28 well.

Perforations

Primary:

St. Louis (4791' - 4795')

Respectfully Submitted,

Kevin Timson American Warrior, Inc.