

Geological Report

American Warrior, Inc.

Congdon #6-28

942' FSL & 1745' FEL

Sec. 28, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Congdon #6-28
942' FSL & 1745' FEL
Sec. 28, T23s, R32w
Finney County, Kansas
API # 15-055-22256-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: December 2, 2013

Completion Date: December 13, 2013

Elevation 2841' G.L.
2853' 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 ½ mile on Rodkey and North into location.

Casing: 1158' 8 5/8" #23 Surface Casing
4798' 5 ½" #15.5 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Sam Esparza"

Problems: None

Formation Tops

Congdon #6-28

Sec. 28, T23s, R32w

942' FSL & 1745' FEL

Anhydrite	1899' +954
Base	1955' +898
Heebner	3845' -992
Lansing	3889' -1036
Stark	4252' -1399
Bkc	4400' -1547
Marmaton	4427' -1574
Pawnee	4479' -1626
Fort Scott	4513' -1660
Cherokee	4526' -1673
Morrow	4693' -1840
St. Louis	4712' -1859
RTD	4800' -1947
LTD	4800' -1947

Sample Zone Descriptions

Pawnee (4479', -1626): Covered in DST #1

Ls. Tan. Sub crystalline. Fair to good oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Show of free oil when broken. Fair odor.

Drill Stem Tests
Trilobite Testing
“Sam Esparza”

DST #1

Pawnee to Cherokee

Interval (4470’- 4545’) Anchor Length 75’

IHP	-2180 #	
IFP	- 30” – BOB in 3 min	62-203 #
ISI	- 45” – Bled off for 6 min no return	1605 #
FFP	- 45” – BOB in 4 min GTS in 39 min	217-361 #
FSIP	- 60” – 8” return	1572 #
FHP	- 2172 #	
BHT	- 113° F	

Recovery: 650’ GO (80% Oil)
150’ GOCM (30% Oil)

DST #2

Morrow

Interval (4660’- 4715’) Anchor Length 55’

IHP	-2252 #	
IFP	- 30” – 2” Blow	27-28#
ISI	- 30” – No Return	112 #
FFP	- 30” – 1 ¼” Blow	24-29 #
FSIP	- 30” – No Return	79 #
FHP	- 2250 #	
BHT	- 108° F	

Recovery: 30’ OCM (15% Oil)

Structural Comparison

Formation	American Warrior, Inc. Congdon #6-28 Sec. 28, T23s, R32w 942' FSL & 1745' FEL		American Warrior, Inc. Congdon #5 Sec. 28, T23s, R32w SE SE SE		Amoco Production Co. O.G. Congdon #2 Sec 28, T23s, R32w C NE SW
	Heebner		3845' -992		+41
Lansing	3889' -1036	+44	3964' -1080	-14	3886' -1022
Stark	4252' -1399	+40	4323' -1439	-13	4250' -1386
BKC	4400' -1547	+29	4460' -1576	-25	4386' -1522
Marmaton	4427' -1574	+32	4490' -1606	-22	4416' -1552
Pawnee	4479' -1626	+53	4563' -1679	-3	4487' -1623
Fort Scott	4513' -1660	+56	4600' -1716	-12	4512' -1648
Cherokee	4526' -1673	+55	4612' -1728	-9	4528' -1664
Morrow	4693' -1840	+55	4779' -1895	-10	4694' -1830
St. Louis	4712' -1859	+86	4829' -1945	-12	4711' -1847

Summary

The location for the Congdon #6-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, one of which recovered commercial quantities of oil from the intervals of Pawnee Limestone to Cherokee Limestone. Most likely the oil came from the Pawnee Limestone formation. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Congdon #6-28 well.

Perforations

Primary:	4481'-4491'	Pawnee
Secondary:	4534'-4537'	Cherokee
Before Abandonment:	4519'-4522'	Fort Scott

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

