

Geological Report

American Warrior, Inc.

Congdon #7-28

694' FSL & 1683' FWL

Sec. 28, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Congdon #7-28
694' FSL & 1683' FWL
Sec. 28, T23s, R32w
Finney County, Kansas
API # 15-055-22258-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: February 27, 2014

Completion Date: March 11, 2014

Elevation 2841' 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 $\frac{3}{4}$ mile on Rodkey and North into location.

Casing: 1734' 8 5/8" #24 Surface Casing
4853' 5 1/2" #15.5 Production Casing

Samples: 4400' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

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

Drillstem Tests: One-Trilobite Testing "Corndog"

Problems: None

Formation Tops

Congdon #7-28

Sec. 28, T23s, R32w

694' FSL & 1683' FWL

Anhydrite	1867' +985
Base	1952' +900
Heebner	3833' -981
Lansing	3877' -1025
Stark	4236' -1384
Bkc	4371' -1519
Marmaton	4398' -1546
Pawnee	4478' -1626
Fort Scott	4503' -1651
Cherokee	4519' -1667
Morrow	4686' -1834
Miss	4694' -1842
RTD	4875' -2023
LTD	4875' -2023

Sample Zone Descriptions

St. Louis (4694', -1842): Covered in DST #1

Ls. Tan. Sub crystalline. Fair to good oomoldic and oolycastic porosity. Good stain and good saturation in porosity. Show of free oil when broken. Fair odor. 65 Unit kick.

Drill Stem Tests

Trilobite Testing

“Sam Esparza”

DST #1

St. Louis

Interval (4770' - 4786') Anchor Length 16'

IHP	-2415 #	
IFP	- 30" – BOB in 2 ½ min	43-107 #
ISI	- 45" – BOB in 10 min	1290 #
FFP	- 45" – BOB immediately	120-209 #
FSIP	- 60" – BOB in 15 min	1285 #
FHP	- 2410 #	
BHT	- 119° F	

Recovery: 441' CGO (50% Oil) Gravity: 29
 63' CGO (90% Oil)
 31' W&OCM (20% Oil, 20% Water)

Structural Comparison

	American Warrior, Inc. Congdon #7-28 Sec. 28, T23s, R32w 694' FSL & 1683' FWL		American Warrior, Inc. Congdon #6-28 Sec. 28, T23s, R32w 942' FSL & 1745' FEL		Amoco Production Co. O.G. Congdon #2 Sec 28, T23s, R32w C NE SW
Heebner	3833' -981	+11	3845' -992	-3	3842' -978
Lansing	3877' -1025	+11	3889' -1036	-3	3886' -1022
Stark	4236' -1384	+15	4252' -1399	+2	4250' -1386
BKC	4371' -1519	+28	4400' -1547	+3	4386' -1522
Marmaton	4398' -1546	+28	4427' -1574	+6	4416' -1552
Pawnee	4478' -1626	FL	4479' -1626	-3	4487' -1623
Fort Scott	4503' -1651	+9	4513' -1660	-3	4512' -1648
Cherokee	4519' -1667	+6	4526' -1673	-3	4528' -1664
Morrow	4686' -1834	+6	4693' -1840	-4	4694' -1830
St. Louis	4694' -1842	+17	4712' -1859	+5	4711' -1847

Summary

The location for the Congdon #7-28 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which recovered commercial quantities of oil from the St. Louis Limestone. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Congdon #7-28 well.

Perforations

Primary:

St. Louis **(4771' – 4776')**

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.