

Geological Report

American Warrior, Inc.

Congdon #9-28

1616' FSL & 1137' FEL

Sec. 28, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Congdon #9-28
1616' FSL & 1137' FEL
Sec. 28, T23s, R32w
Finney County, Kansas
API # 15-055-22263-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: January 9, 2014

Completion Date: January 20, 2014

Elevation 2845' G.L.
2856' 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 North into location.

Casing: 1156' 8 5/8" #24 Surface Casing
4874' 5 ½" #15.5 Production Casing

Samples: 4200' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "J. Henrickson"
Full Sweep

Drillstem Tests: Five-Trilobite Testing "Mike Roberts"

Problems: Two tests were invalid, packer failure and bridge.

Formation Tops

Congdon #9-28

Sec. 28, T23s, R32w

1616' FSL & 1137' FEL

Anhydrite	1877' +979
Base	1973' +883
Heebner	3850' -994
Lansing	3893' -1037
Stark	4244' -1388
Bkc	4399' -1543
Marmaton	4451' -1595
Pawnee	4481' -1625
Fort Scott	4515' -1659
Cherokee	4527' -1671
Morrow	4691' -1835
St. Louis	4696' -1840
RTD	4875' -2019
LTD	4875' -2019

Sample Zone Descriptions

Pawnee (4481', -1625): Covered in DST #1

Ls. Tan. Sub crystalline. Fair to good oomoldic and oolycastic porosity. Fair stain and poor saturation in porosity. Very slight show of free oil when broken. Fair odor.

St. Louis (4696', -1840): 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. 50 Unit gas kick.

Drill Stem Tests

Trilobite Testing

“Mike Roberts”

DST #1

Pawnee

Interval (4485' - 4504') Anchor Length 19'

IHP -2274 #

IFP - 30" – ¾" blow 15-37 #

ISI - 30" – No return 1129 #

FFP - 10" – No blow 40-47 #

FSIP - Pull Tool NA

FHP - 2253 #

BHT - 111° F

Recovery: 62' OCM (3% Oil)

DST #2

Cherokee

Interval (4502' - 4549') Anchor Length 47'

IHP -2386 #

IFP - 30" – ¼" blow died in 20 min 35-38#

ISI - 30" – No return 739 #

FFP - 10" – No blow 40-40 #

FSIP - Pull Tool NA

FHP - 2489 #

BHT - 115° F

Recovery: 3' Thick Mud

DST #3

St. Louis

Interval (4782' – 4804') Anchor Length 22'

IHP - 2338#

IFP - 30" – BOB in 25 min 19-81 #

ISI - 45" – Built to ¼" 1526 #

FFP - 45" – BOB in 19 min 90-135 #

FSIP - 60" – 4" return blow 1508 #

FHP - 2380 #

BHT - 117° F

Recovery: 434' GIP

5' Free Oil

248' GCMO (50% Oil)

Structural Comparison

	American Warrior, Inc. Congdon #9-28 Sec. 28, T23s, R32w 1616' FSL & 1137' FEL		American Warrior, Inc. O.G. Congdon #2 Sec. 28, T23s, R32w C NE SW		American Warrior, Inc. Congdon #6-28 Sec 28, T23s, R32w 942' FSL & 1745' FEL
Formation					
Heebner	3850' -994	-16	3842' -978	-2	3845' -992
Lansing	3893' -1037	-15	3886' -1022	-1	3889' -1036
Stark	4244' -1388	-2	4250' -1386	+11	4252' -1399
BKC	4399' -1543	NA	4386' -1522	+4	4400' -1547
Marmaton	4451' -1595	NA	4416' -1552	-21	4427' -1574
Pawnee	4481' -1625	-2	4487' -1623	+1	4479' -1626
Fort Scott	4515' -1659	-11	4512' -1648	+1	4513' -1660
Cherokee	4527' -1671	-7	4528' -1664	+2	4526' -1673
Morrow	4691' -1835	-5	4694' -1830	+5	4693' -1840
St. Louis	4696' -1840	+7	4711' -1847	+19	4712' -1859

Summary

The location for the Congdon #9-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were 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 ½" production casing to further evaluate the Congdon #9-28 well.

Perforations

Primary:

St. Louis (4795' - 4801')

Before Abandonment

Marmaton (4455' - 4459')

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

