

Geological Report

American Warrior, Inc.

Clark #4-2

2046' FSL & 2309' FEL

Sec. 2, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Clark #4-2
2046' FSL & 2309' FEL
Sec. 2, T25s, R31w
Finney County, Kansas
API # 15-055-22295-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: April 22, 2014

Completion Date: May 3, 2014

Elevation 2839' G.L.
2850' K.B.

Directions: From Garden City Airport. Go SE on Hwy 50 1 mile to Aerodrome Rd. Go 1 ½ miles East on Aerodrome and South on lease road and West into.

Casing: 1688' 8 5/8" #24 Surface Casing
5013' 5 ½" #15.5 Production Casing

Samples: 4500' to RTD 10' Wet & Dry

Drilling Time: 3900' to RTD

Electric Logs: Pioneer Energy Services "J. Long"
Stacked-Micro

Drillstem Tests: Two-Trilobite Testing "Brandon Turley & Bradley Walter"

Problems: None

Formation Tops

Clark #4-2

Sec. 2, T25s, R31w

2046' FSL & 2309' FEL

Anhydrite	1887' +963
Base	1965' +885
Heebner	3999' -1149
Lansing	4045' -1195
Stark	4409' -1559
Bkc	4539' -1689
Marmaton	4566' -1716
Pawnee	4636' -1786
Fort Scott	4658' -1808
Cherokee	4675' -1825
Morrow	4835' -1985
Miss	4857' -2007
RTD	5025' -2175
LTD	5023' -2173

Sample Zone Descriptions

Morrow (4820', -1981): Covered in DST #1

Sandstone. Grey/Glauconitic. Fine to medium grain. Well rounded, well sorted. Fair to good stain. Poor to fair saturation. No show of free oil. Poor to fair. 10 units hotwire.

St. Louis (4843', -2004): Covered in DST #2

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Slight show of free oil when broken. Fair odor. 90 units hotwire.

Drill Stem Tests
Trilobite Testing
“Brandon Turley & Bradley Walter”

DST #1

Morrow

Interval (4815' – 4863') Anchor 48'

IHP - 2607 #

IFP - 30" – ¼" blow died to WSB 30-33 #

ISI - 30" – No return 78 #

FFP - 30" – ¼" blow built to 2" 29-33 #

FSIP - 30" – No return 54 #

FHP - 2524 #

BHT - 114° F

Recovery: 15' Mud with oil spots

DST #2

St. Louis

Interval (4869' – 4926') Anchor 57'

IHP - 2510 #

IFP - 30" – BOB in 2.5 min 70-140 #

ISI - 45" – ¼" return died to WSB 1120 #

FFP - 45" – BOB in 1 min GTS in 20 min 171-234 #

FSIP - 60" – BOB died to 5" return 1099 #

FHP - 2487 #

BHT - 122° F

Recovery: 65' GOCM (10% Oil)

260' GMCO (35% Oil)

185' GMCO (50% Oil)

Structural Comparison

	American Warrior, Inc. Clark #4-2 Sec. 2, T25s, R31w 2046' FSL & 2309' FEL		American Warrior, Inc. Clark #1-2 Sec. 2, T25s, R31w 2415' FSL & 1145' FEL		American Warrior, Inc. Clark #3-2 Sec 2, T25s, R31w 2165' FSL & 1738' FEL
Formation					
Heebner	3999' -1149	+9	4002' -1158	-5	3983' -1144
Lansing	4045' -1195	+9	4048' -1204	-2	4032' -1193
Stark	4409' -1559	+8	4411' -1567	-1	4397' -1558
BKC	4539' -1689	+7	4540' -1696	FL	4528' -1689
Marmaton	4566' -1716	+4	4564' -1720	-3	4552' -1713
Pawnee	4636' -1786	+5	4635' -1791	FL	4625' -1786
Fort Scott	4658' -1808	+6	4658' -1814	-1	4646' -1807
Cherokee	4675' -1825	+5	4674' -1830	-11	4653' -1814
Morrow	4835' -1985	FL	4829' -1985	-4	4820' -1981
Miss	4857' -2007	+7	4858' -2014	-3	4843' -2004

Summary

The location for the Clark #4-2 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 St. Louis Limestone formation. After all the gathered data had been examined, the decision was made to run 5 1/2" production casing to further evaluate the Clark #4-2 well.

Perforations

Primary:	St. Louis 'B' (4915' – 4919')	Covered in DST #2
Secondary:	St. Louis (4872' – 4875')	Covered in DST #2
Before Abd:	Fort Scott (4664' – 4670')	Not Tested

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

