

Geological Report

American Warrior, Inc.

Clark #1-2

2415' FSL & 1145' FEL

Sec. 2, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Clark #1-2
2415' FSL & 1145' FEL
Sec. 2, T25s, R31w
Finney County, Kansas
API # 15-055-22284-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: March 5, 2014

Completion Date: March 15, 2014

Elevation 2833' G.L.
2844' 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 into location.

Casing: 1697' 8 5/8" #24 Surface Casing
5025' 5 ½" #15.5 Production Casing

Samples: 2600-RTD 10' Wet & Dry

Drilling Time: 2600-RTD

Electric Logs: Pioneer Energy Services "Y. Ruiz"
Full Sweep

Drillstem Tests: One-Trilobite Testing "Bob Hamel"

Problems: None

Formation Tops

Clark #1-2

Sec. 2, T25s, R31w

2415' FSL & 1145' FEL

Anhydrite	1884' +960
Base	1963' +881
Chase	2651' +193
Council Grove	2892' -48
Heebner	4002' -1158
Lansing	4048' -1204
Stark	4411' -1567
Bkc	4540' -1696
Marmaton	4564' -1720
Pawnee	4635' -1791
Fort Scott	4658' -1814
Cherokee	4674' -1830
Morrow	4829' -1985
Miss	4858' -2014
RTD	5050' -2206
LTD	5041' -2197

Sample Zone Descriptions

St. Louis (4858', -2014): Not Tested

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.

Morrow Sand (4829', -1985): Covered in DST #1

Ss. Grey, Glauconitic. Fine to medium grain. Well sorted and well rounded. Good stain. Good saturation. Good odor. Show of free oil. 135 Unit kick.

Drill Stem Tests
 Trilobite Testing
 “Bob Hamel”

DST #1

Morrow Sand

Interval (4816’ - 4865’) Anchor Length 49’

IHP	-2399 #	
IFP	- 30” – BOB in 19 min	40-80 #
ISI	- 45” – WSB built to ½”	1273 #
FFP	- 45” – BOB in 2 min	108-126 #
FSIP	- 60” – WSB built to ¾”	1230 #
FHP	- 2339 #	
BHT	- 120° F	

Recovery: 2’ CO
 128’ SOCGM (5% Oil)
 83’ HGMCO (50% Oil)
 63’ HOCG (30% Oil)
 600’ GIP

Structural Comparison

	American Warrior, Inc. Clark #1-2 Sec. 2, T25s, R31w 2415’ FSL & 1145’ FEL		Bengalia Land McGraw #1-7 Sec. 7, T25s, R30w NE SW NE NE		Continental Oil Etal Violet K Tate #1 Sec 3, T25s, R31w NW SW NE
Formation					
Heebner	4002’ -1158	NA	NA	+8	4030’ -1166
Lansing	4048’ -1204	+68	4132’ -1272	+9	4077’ -1213
Stark	4411’ -1567	NA	NA	NA	NA
BKC	4540’ -1696	NA	NA	NA	NA
Marmaton	4564’ -1720	NA	NA	NA	NA
Pawnee	4635’ -1791	NA	NA	NA	NA
Fort Scott	4658’ -1814	NA	NA	NA	NA
Cherokee	4674’ -1830	NA	NA	NA	NA
Morrow	4829’ -1985	NA	NA	NA	NA
St. Louis	4858’ -2014	+38	4912’ -2052	-16	4862’ -1998

Summary

The location for the Clark #1-2 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 Morrow Sandstone. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Clark #1-2 well.

Perforations

Primary:

St. Louis (4910' – 4914')

Secondary:

Morrow (4848' – 4858')

Shallow Gas:

Krider (2724' – 2728')

Herington (2656' – 2660')

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

