

Geological Report

American Warrior, Inc.

DeRemus #4-33

1995' FNL & 1527' FWL

Sec. 33, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
DeRemus #4-33
1995' FNL & 1527' FWL
Sec. 33, T23s, R32w
Finney County, Kansas
API # 15-055-22260-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: December 3, 2013

Completion Date: December 13, 2013

Elevation 2839' G.L.
2850' 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 South on lease road just West of A Frame house and west into location.

Casing: 1160' 8 5/8" #23 Surface Casing
4845' 5 ½" #17 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Full Sweep

Drillstem Tests: One-Trilobite Testing "Bradley Walter"

Problems: Tight hole-9hr short trip-hit bridge with test tool.

Formation Tops

DeRemus #4-33

Sec. 33, T23s, R32w

1995' FNL & 1527' FWL

Anhydrite	1870' +980
Base	1948' +902
Heebner	3843' -993
Lansing	3885' -1035
Stark	4248' -1398
Bkc	4395' -1545
Marmaton	4419' -1569
Pawnee	4489' -1639
Fort Scott	4515' -1665
Cherokee	4528' -1678
Morrow	4691' -1841
St. Louis	4719' -1869
RTD	4850' -2000
LTD	4849' -1999

Sample Zone Descriptions

St. Louis (4719', -1869): 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. Good odor.

Drill Stem Tests
 Trilobite Testing
 "Bradley Walter"

DST #1

St. Louis

Interval (4785' - 4803') Anchor Length 18'

IHP	-2443 #	
IFP	- 30" – BOB in 9 min	29-97 #
ISI	- 45" – 1" Return	1277 #
FFP	- 45" – BOB in 9 min	121-133 #
FSIP	- 60" – 1" Return	1270 #
FHP	- 2402 #	
BHT	- 115° F	

Recovery: 630' GIP
 75' GMCO (45% Oil)
 240' GMCO (40% Oil)

Structural Comparison

	American Warrior, Inc. DeRemus #4-33 Sec. 33, T23s, R32w 1995' FNL & 1527' FWL		American Warrior, Inc. M. DeRemus #2 Sec. 33, T23s, R32w 2240' FNL & 2140' FWL		American Warrior, Inc. Neeley #3 Sec 33, T23s, R32w 2196' FNL & 1000' FEL
Formation					
Heebner	3843' -993	+2	3840' -995	+18	3871' -1011
Lansing	3885' -1035	+2	3882' -1037	+21	3916' -1056
Stark	4248' -1398	NA	NA	NA	NA
BKC	4395' -1545	NA	NA	NA	NA
Marmaton	4419' -1569	NA	NA	NA	NA
Pawnee	4489' -1639	NA	NA	NA	NA
Fort Scott	4515' -1665	FL	4510' -1665	+23	4548' -1688
Cherokee	4528' -1678	+2	4525' -1680	+22	4560' -1700
Morrow	4691' -1841	+6	4692' -1847	+33	4734' -1874
St. Louis	4719' -1869	-4	4710' -1865	+50	4779' -1919

Summary

The location for the DeRemus #4-33 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 DeRemus #4-33 well.

Perforations

Primary:	4793' - 4800'	St. Louis
Before Abandonment:	4490' - 4496'	Pawnee
	4521' - 4524'	Fort Scott

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

