

# **Geological Report**

American Warrior, Inc.

**Neeley #10-33**

1197' FSL & 339' FEL

Sec. 33, T23s, R32w

Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Neeley #10-33  
1197' FSL & 339' FEL  
Sec. 33, T23s, R32w  
Finney County, Kansas  
API # 15-055-22278-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: February 20, 2014

Completion Date: March 1, 2014

Elevation 2831' G.L.  
2842' K.B.

Directions: From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker one mile and West/North into location.

Casing: 1746' 8 5/8" #24 Surface Casing

Samples: 4500' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

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

Drillstem Tests: One-Trilobite Testing "Will MacLean"

Problems: None

## Formation Tops

Neeley #10-33

Sec. 33, T23s, R32w

1197' FSL & 339' FEL

Anhydrite	1895' +965
Base	1975' +885
Heebner	3891' -1031
Lansing	3936' -1076
Stark	4308' -1448
Bkc	4443' -1583
Marmaton	4471' -1611
Pawnee	4548' -1688
Fort Scott	4579' -1719
Cherokee	4591' -1731
Morrow	4760' -1900
Miss	4781' -1921
RTD	4900' -2040
LTD	4900' -2040

### Sample Zone Descriptions

**Morrow** (4689',-1847): Covered in DST #1

Ss. Grey. Fine to medium grain. Moderately sorted and well rounded. Good stain and good saturation. Good show of free oil when broken. Fair odor. Glauconitic. 40 Units hotwire.

**Drill Stem Tests**  
 Trilobite Testing  
 “Will MacLean”

**DST #1**

**Morrow**

Interval (4757’ - 4789’) Anchor Length 32’

IHP	-2350 #	
IFP	- 30” – WSB built to ¼”	18-23#
ISI	- 30” – No Return	40 #
FFP	- 30” – No blow	24-24 #
FSIP	- 30” – No Return	32 #
FHP	- 2284 #	
BHT	- 110° F	
Recovery:	5’ Mud with skim of oil	

**Structural Comparison**

	American Warrior, Inc. Neeley #10-33 Sec. 33, T23s, R32w 1197’ FSL & 339’ FEL		Amoco Production Co. SW Neeley #1 Sec. 33, T23s, R32w C SW NE		American Warrior, Inc. Neeley #9-33 Sec 33, T23s, R32w 346’ FNL & 1662’ FEL
Heebner	3891’ -1031	-33	3838’ -998	-36	3837’ -995
Lansing	3936’ -1076	-35	3881’ -1041	-37	3881’ -1039
Stark	4308’ -1448	-45	4243’ -1403	-43	4247’ -1405
BKC	4443’ -1583	-46	4377’ -1537	-48	4377’ -1535
Marmaton	4471’ -1611	-48	4403’ -1563	-47	4406’ -1564
Pawnee	4548’ -1688	-45	4483’ -1643	-50	4480’ -1638
Fort Scott	4579’ -1719	-50	4509’ -1669	-55	4506’ -1664
Cherokee	4591’ -1731	-52	4519’ -1679	-65	4518’ -1676
Morrow	4760’ -1900	-47	4693’ -1853	-53	4689’ -1847
Miss	4781’ -1921	-20	4741’ -1901	-54	4709’ -1867

## Summary

The location for the Neeley #10-33 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem was conducted, which did not recover commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Neeley #10-33 well.

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.