

Geological Report

American Warrior, Inc.

Neeley #8 Twin

2310' FNL & 1889' FEL

Sec. 33, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Neeley #8 Twin
2310' FNL & 1889' FEL
Sec. 33, T23s, R32w
Finney County, Kansas
API # 15-055-22270-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: December 28, 2013

Completion Date: January 7, 2014

Elevation 2834' G.L.
2845' K.B.

Directions: From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker 1.5 miles and West into at yellow gate.

Casing: 1710' 8 5/8" #24 Surface Casing
4835' 5 1/2" #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: One-Trilobite Testing "Cornelio Landa"

Problems: Original well stuck in hole-skidded rig

Formation Tops

Neeley #8 Twin

Sec. 33, T23s, R32w

2310' FNL & 1889' FEL

Anhydrite	1871' +974
Base	1949' +896
Heebner	3842' -997
Lansing	3885' -1040
Stark	4248' -1403
Bkc	4388' -1543
Marmaton	4407' -1562
Pawnee	4486' -1641
Fort Scott	4511' -1666
Cherokee	4524' -1679
Morrow	4700' -1855
St. Louis	4746' -1901
RTD	4850' -2005
LTD	4850' -2005

Sample Zone Descriptions

Morrow (4700',-1855): Covered in DST #1

Ss. Grey. Coarse grain. Moderately sorted and well rounded. Good stain and good saturation. Good show of free oil when broken. Strong odor. Glauconitic.

Drill Stem Tests
 Trilobite Testing
 “Shane McBride & Bob Hamel”

DST #1

Morrow

Interval (4662’ - 4720’) Anchor Length 58’

IHP	-2306 #	
IFP	- 30” – BOB in 3 min	153-485#
ISI	- 45” – No Return	1458 #
FFP	- 45” – BOB in 3 min	494-804 #
FSIP	- 60” – No Return	1451 #
FHP	- 2276 #	
BHT	- 115° F	
Recovery:	612’ MW	
	558’ MW	
	372’ OCMW (10% Oil)	
	186’ OCMW (30% Oil)	
	1’ Clean Oil	

Structural Comparison

	American Warrior, Inc. Neeley #8 Twin Sec. 33, T23s, R32w 2310’ FNL & 1889’ FEL		Amoco Production Co. SW Neeley #1 Sec. 33, T23s, R32w C SW NE		American Warrior, Inc. DeRemus #4-33 Sec 33, T23s, R32w 1995’ FNL & 1527’ FWL
Formation					
Heebner	3842’ -997	+1	3838’ -998	-4	3843’ -993
Lansing	3885’ -1040	+1	3881’ -1041	-5	3885’ -1035
Stark	4248’ -1403	FL	4243’ -1403	-5	4248’ -1398
BKC	4388’ -1543	-6	4377’ -1537	+2	4395’ -1545
Marmaton	4407’ -1562	+1	4403’ -1563	+7	4419’ -1569
Pawnee	4486’ -1641	+2	4483’ -1643	+2	4489’ -1639
Fort Scott	4511’ -1666	+3	4509’ -1669	-1	4515’ -1665
Cherokee	4524’ -1679	FL	4519’ -1679	-1	4528’ -1678
Morrow	4700’ -1855	-2	4693’ -1853	-14	4691’ -1841
St. Louis	4746’ -1901	FL	4741’ -1901	-32	4719’ -1869

Summary

The location for the Neeley #8 Twin well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem was conducted, which did recover commercial quantities of oil from the Morrow Sandstone formation. After all the gathered data had been examined, the decision was made to run 5 ½” production casing to further evaluate the Neeley #8 Twin well.

Perforations

Primary: (4708’-4711’) **Morrow**

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

