

Geological Report

American Warrior, Inc.

O'Brate-Finney #3-5 OWWO

2178' FSL & ' FEL

Sec. 5, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
O'Brate-Finney #3-5
2178' FSL & 2165' FWL
Sec. 5, T23s, R32w
Finney County, Kansas
API # 15-055-22370-00-01

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: June 4, 2015

Completion Date: June 13, 2015

Elevation 2848' G.L.
2859' K.B.

Directions: From Garden City, KS, go North on Hwy 83 5 miles to Six Mile Rd. Go East a half mile to Third St. Go North 1 mile and East into.

Casing: 1638' 8 5/8" #24 Surface Casing
5862' 5 1/2" #17 Production Casing

Samples: 5000' to RTD 20' Wet

Drilling Time: None

Electric Logs: Pioneer Energy Services "C. Desaire"
Stack

Drillstem Tests: None

Problems: Logging tool stuck in hole coming out of the hole.
Fished out.

Formation Tops
O'Brate-Finney #3-5
Sec. 5, T23s, R32w
2178' FSL & 2165' FEL

Anhydrite	1929' +930
Base	1999' +860
Heebner	3852' -993
Lansing	3901' -1042
Stark	4239' -1380
Bkc	4382' -1523
Marmaton	4410' -1551
Pawnee	4486' -1627
Fort Scott	4511' -1652
Cherokee	4529' -1670
Morrow	4697' -1838
Miss	4772' -1913
Arbuckle	5554' -2695
RTD	4900' -2041
LTD	4899' -2040

Structural Comparison

Formation	American Warrior, Inc. O'Brate-Finney #3-5 Sec. 5, T23s, R32w 2178' FSL & 2165' FWL		American Warrior, Inc. O'Brate-Finney #2-5 Sec. 5, T23s, R32w 790' FSL & 1440' FEL		American Warrior, Inc. O'Brate-Finney #1-5 Sec 5, T23s, R32w 742' FSL & 2310' FWL			
	Top	Base	Top	Base	Top	Base		
Heebner	3852'	-993	-8	3847'	-985	-24	3829'	-969
Lansing	3901'	-1042	-8	3896'	-1034	-25	3877'	-1017
Stark	4239'	-1380	-12	4230'	-1368	-28	4212'	-1352
BKC	4382'	-1523	-18	4367'	-1505	-33	4350'	-1490
Marmaton	4410'	-1551	-22	4391'	-1529	-36	4375'	-1515
Pawnee	4486'	-1627	-21	4468'	-1606	-38	4449'	-1589
Fort Scott	4511'	-1652	-24	4490'	-1628	-40	4472'	-1612
Cherokee	4529'	-1670	-27	4505'	-1643	-39	4491'	-1631
Morrow	4697'	-1838	-34	4666'	-1804	-40	4658'	-1798
Miss	4772'	-1913	-73	4702'	-1840	-96	4677'	-1817

Summary

The location for the O'Brate-Finney #3-5 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stem tests were 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 O'Brate-Finney #3-5 well. The O'Brate-Finney #3-5 was re-entered as a washdown and drilled to the Arbuckle for a salt water disposal well.

Perforations

Primary	St. Louis	(4777' - 4785')
Secondary	Arbuckle	Packer Shoe @ 5862'
Before Ab.	Morrow	(4727' - 4733') FRAC

