

Geological Report

American Warrior, Inc.

O'Brate-Finney #3-15

335' FSL & 571' FWL

Sec. 15, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
O'Brate-Finney #3-15
335' FSL & 571' FWL
Sec. 15, T25s, R31w
Finney County, Kansas
API # 15-055-22312-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: June 13, 2014

Completion Date: June 21, 2014

Elevation 2790' G.L.
2801' K.B.

Directions: From Pierceville, KS. Go South on Main Street .9 miles to Beach Rd. Go West 2 miles North and East into.

Casing: 1687' 8 5/8" #24 Surface Casing
4756' 5 1/2" #15.5 Production Casing

Samples: 4400' to RTD 10' Wet & Dry

Drilling Time: 3850' to RTD

Electric Logs: Pioneer Energy Services "J. Henrickson"
Stacked-Micro

Drillstem Tests: Two-Trilobite Testing "Justin Harris"

Problems: None

Formation Tops
O'Brate-Finney #3-15
Sec. 15, T25s, R31w
335' FSL & 571' FWL

Anhydrite	1809' +992
Base	1885' +916
Heebner	3912' -1111
Lansing	3958' -1157
Stark	4330' -1529
Bkc	4458' -1657
Marmaton	4477' -1676
Pawnee	4553' -1752
Fort Scott	4583' -1782
Cherokee	4597' -1796
Morrow	4742' -1941
Miss	4750' -1949
RTD	5000' -2199
LTD	4998' -2197

Sample Zone Descriptions

Pawnee (4553',-1752): Covered in DST #2
 Ls. Tan. Medium to sub crystalline. Good oomoldic and good oolycastic porosity. Good stain. Fair saturation. Fair odor. 55 Units hotwire.

Marmaton (4477', -1676): Covered in DST #1
 Dolomite. Tan. Sub crystalline. Fair to good vuggy porosity. Fair stain. Fair saturation. Poor odor. 60 Unit hotwire. Chert-wt slight to heavily weathered. Fair stain.

Drill Stem Tests
Trilobite Testing
“Justin Harris”

DST #1

Marmaton

Interval (4416' – 4490') Anchor 74'

IHP - 2232 #

IFP - 30" – WSB died in 6 min 20-21 #

ISI - 30" – No return 48 #

FFP - 10" – No blow 23-22 #

FSIP - Pull Tool NA

FHP - NA

BHT - 114° F

Recovery: 5' Mud

DST #2

Pawnee

Interval (4549' – 4570') Anchor 21'

IHP - 2266 #

IFP - 30" – BOB in 6 min 31-92 #

ISI - 45" – Built to 1" 1254 #

FFP - 45" – BOB in 9 min 104-171#

FSIP - 60" – Built to 2" 1233 #

FHP - 2132 #

BHT - 122° F

63' GMCWO (50% Oil, 20% Water)

186' MCW (95% Water)

496' GIP

Structural Comparison

	American Warrior, Inc. O'Brate-Finney #3-15 Sec. 15, T25s, R31w 335' FSL & 571' FWL		American Warrior, Inc. O'Brate-Finney #1-15 Sec. 15, T25s, R31w 1697' FSL & 1379' FWL		American Warrior, Inc. O'Brate-Finney #2-15 Sec 2, T25s, R31w 1994' FNL & 537' FWL
Formation					
Heebner	3912' -1111	+14	3895' -1125	+4	3887' -1115
Lansing	3958' -1157	+23	3950' -1180	+12	3941' -1169
Stark	4330' -1529	+13	4312' -1542	+3	4304' -1532
BKC	4458' -1657	+16	4443' -1673	+3	4426' -1654
Marmaton	4477' -1676	+22	4468' -1698	+4	4452' -1680
Pawnee	4553' -1752	+18	4540' -1770	+5	4529' -1757
Fort Scott	4583' -1782	+17	4569' -1799	-2	4552' -1780
Cherokee	4597' -1796	+18	4584' -1814	-4	4564' -1792
Morrow	4742' -1941	+41	4752' -1982	+10	4723' -1951
Miss	4750' -1949	+65	4784' -2014	+7	4730' -1958

Summary

The location for the O'Brate-Finney #3-15 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, both were negative. After all the gathered data had been examined the decision was made to run 5 1/2" production casing to further evaluate the Pawnee and then convert into a SWDW.

Perforations

Primary: Pawnee (4556' – 4560')

Disposal: Platsmouth (3890' – 3910')

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

