

# **Geological Report**

American Warrior, Inc.

## **Tancayo #3-3**

943' FSL & 2286' FEL

Sec. 3, T25s, R31w

Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data:	American Warrior, Inc. Tancayo #3-3 943' FSL & 2286' FEL Sec. 3, T25s, R31w Finney County, Kansas API # 15-055-22322-00-00
Drilling Contractor:	Duke Drilling Co. Rig #5
Geologist:	Kevin Timson
Spud Date:	July 18, 2014
Completion Date:	July 28, 2014
Elevation	2825' G.L. 2836' K.B.
Directions:	From Garden City Airport. Go SE on Hwy 50 1.3 miles to gated lease road and ingress West, follow least road to next fence line and head South into location.
Casing:	1655' 8 5/8" #24 Surface Casing
Samples:	4400' to RTD                      10' Wet & Dry
Drilling Time:	3900' to RTD
Electric Logs:	Pioneer Energy Services "D. Kerr" Stacked-Micro
Drillstem Tests:	Two-Trilobite Testing "Sam Esparza"
Problems:	None

## **Formation Tops**

**Tancayo #3-3**

**Sec. 3, T25s, R31w**

**943' FSL & 2286' FEL**

<b>Anhydrite</b>	<b>1862' +974</b>
<b>Base</b>	<b>1936' +900</b>
<b>Heebner</b>	<b>3961' -1125</b>
<b>Lansing</b>	<b>4017' -1181</b>
<b>Stark</b>	<b>4375' -1539</b>
<b>Bkc</b>	<b>4502' -1666</b>
<b>Marmaton</b>	<b>4524' -1688</b>
<b>Pawnee</b>	<b>4605' -1769</b>
<b>Fort Scott</b>	<b>4628' -1792</b>
<b>Cherokee</b>	<b>4642' -1806</b>
<b>Morrow</b>	<b>4802' -1966</b>
<b>Miss</b>	<b>4820' -1984</b>
<b>RTD</b>	<b>5000' -2164</b>
<b>LTD</b>	<b>5004' -2168</b>

## **Sample Zone Descriptions**

**St. Louis**                      **(4820', -1966):**                      **Covered in DST #2**

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Poor stain.  
No saturation. No odor. No show of free oil.

## Drill Stem Tests

Trilobite Testing

“Sam Esparza”

### DST #1

#### Morrow

Interval (4778' – 4830') Anchor Length 52'

IHP - 2416 #

IFP - 30" – WSB died in 8 min 15-16 #

ISI - 30" – No return 23 #

FFP - 10" – No blow 17-16 #

FSIP - Pull Tool NA

FHP - 2309 #

BHT - 121° F

Recovery: 5' Mud

### DST #2

#### St. Louis

Interval (4854' – 4895') Anchor Length 41'

IHP - 2475 #

IFP - 30" – WSB built to 1" 17-49 #

ISI - 30" – No return 1238 #

FFP - 30" – No blow 55-75 #

FSIP - 30" – No return 1204 #

FHP - 2324 #

BHT - 122° F

Recovery: 65' WCM (25% Water)

## Structural Comparison

	American Warrior, Inc. Tancayo #3-3 Sec. 3, T25s, R31w 943' FSL & 2286' FEL		American Warrior, Inc. Tancayo #1-3 Sec. 3, T25s, R31w 1959' FSL & 2084' FEL		American Warrior, Inc. Tancayo #2-3 Sec 3, T25s, R31w 2274' FSL & 2258' FWL
<b>Formation</b>					
Heebner	3961' -1125	+3	3976' -1128	+2	4000' -1127
Lansing	4017' -1181	+1	4030' -1182	+5	4059' -1186
Stark	4375' -1539	+2	4389' -1541	FL	4412' -1539
BKC	4502' -1666	+2	4516' -1668	-3	4536' -1663
Marmaton	4524' -1688	+6	4542' -1694	-5	4556' -1683
Pawnee	4605' -1769	-2	4615' -1767	-3	4639' -1766
Fort Scott	4628' -1792	-1	4639' -1791	-2	4663' -1790
Cherokee	4642' -1806	+2	4656' -1808	FL	4679' -1806
Morrow	4802' -1966	+4	4818' -1970	+3	4842' -1969
Miss	4820' -1984	+4	4836' -1988	+3	4860' -1987

## Summary

The location for the Tancayo #3-3 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Tancayo #3-3 well.

Respectfully Submitted,

Kevin Timson

American Warrior, Inc.