

# **Geological Report**

American Warrior, Inc.

## **Arnold #1-2**

624' FSL & 341' FWL

Sec. 2, T29s, R41w

Stanton County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Arnold #1-2  
624' FSL & 341' FWL  
Sec. 2, T29s, R41w  
Stanton County, Kansas  
API # 15-187-21329-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: June 9, 2016

Completion Date: June 23, 2016

Elevation 3366' G.L.  
3378' K.B.

Directions: From the SW side of Johnson City, KS, at the intersection of Hwy 27 and Hwy 160. Go West on Hwy 160 1 mile to M Rd. Go South 1 mile, East 200', North into.

Casing: 1745' 8 5/8" #24 Surface Casing

Samples: 3600' to RTD 10' Wet and Dry

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "J. Long"  
Full Sweep

Drillstem Tests: None

Problems: Lost circulation @ 4690 for 2 days.

## Formation Tops

Arnold #1-2

Sec. 2, T29s, R41w

624' FSL & 341' FWL

Heebner	3664' -286
Lansing	3768' -390
Bkc	4316' -938
Marmaton	4347' -969
Cherokee	4541' -1163
Morrow	5075' -1697
St. Gen	5492' -2114
RTD	5700' -2322
LTD	5699' -2321

## Sample Zone Descriptions

**Keyes (5390', -2012): No DST**

Ss. Off white/clear. Glauconitic. Medium to coarse grain. Very well cemented. Sub angular. Poor to fair sorted. No stain. No saturation. No odor. No Fluorescence.

**St. Louis (5652', -2274): No DST**

Ls. Tan. Medium to Sub crystalline. Fair to good oomoldic porosity and fair to good oolycastic porosity. Barren. No fluorescence.

## Structural Comparison

	American Warrior, Inc. Arnold #1-2 Sec. 2, T29s, R41w 624' FSL & 341' FWL		Parker & Parsley, Inc. P & P #1-2 Sec. 2, T29s, R41w 330' FSL & 330' FEL		Berexco, Inc. Pearl May #1-11 Sec 11, T28s, R41w 4950' FSL & 4950' FEL
<b>Formation</b>					
Heebner	3664' -286	NA	NA	<b>+43</b>	3686' -329
Lansing	3768' -390	NA	NA	<b>+47</b>	3794' -437
BKC	4316' -938	+30	4324' -968	<b>+32</b>	4327' -970
Marmaton	4347' -969	+31	4356' -1000	<b>+31</b>	4357' -1000
Cherokee	4541' -1163	-1	4518' -1162	<b>-6</b>	4514' -1157
Morrow	5075' -1697	-4	5049' -1693	<b>-11</b>	5043' -1686
St. Gen	5492' -2114	+85	5555' -2199	<b>+82</b>	5553' -2196

### Summary

The location for the Arnold #1-2 well was found via 3-D seismic survey. The new well ran structurally as expected. After all the gathered data had been examined, the decision was made to plug and abandon the Arnold #1-2 well.

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

