

# **Geological Report**

American Warrior, Inc.

## **Kreigh #1-3**

388' FNL & 2581' FEL

Sec 3, T14s, R35w

Logan County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Kreigh #1-3  
388' FNL & 2581' FEL  
Sec. 3, T14s, R35w  
Logan County, Kansas  
API # 15-109-21480-00-00

Drilling Contractor: Discovery Drilling Rig #2

Geologist: Luke Thompson

Spud Date: September 13, 2016

Completion Date: September 21, 2016

Elevation 3057' G.L.  
3065' K.B.

Directions: From the West side of Russell Springs, KS at the intersection of Hwy 25 & Broadway Ave. – Now go 0.8 mile South on Hwy 25 – Now go 1.7 miles South on Rd. 260, which is 0.1 mile North of the NE corner of section 3-14s-35w – Now go 0.5 mile West on Mustang to ingress stake South into –Now go 388' South through pasture, into staked location.

Casing: 228' 8 5/8" #28 Surface Casing

Samples: 3850' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"  
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Mike Roberts"

Problems: tight hole on trips

# Formation Tops

Kreigh #1-3

Sec. 3, T14s, R35w

388' FNL & 2581' FEL

<b>Anhydrite</b>	<b>2458' +607</b>
<b>Base</b>	<b>2478' +587</b>
<b>Heebner</b>	<b>3872' -807</b>
<b>Lansing</b>	<b>3924' -859</b>
<b>Stark</b>	<b>4176' -1111</b>
<b>BKC</b>	<b>4253' -1188</b>
<b>Marmaton</b>	<b>4298' -1233</b>
<b>Pawnee</b>	<b>4392' -1327</b>
<b>Fort Scott</b>	<b>4452' -1387</b>
<b>Cherokee</b>	<b>4480' -1415</b>
<b>Johnson</b>	<b>4524' -1459</b>
<b>Morrow</b>	<b>4596' -1531</b>
<b>Miss</b>	<b>4681' -1616</b>
<b>RTD</b>	<b>4750' -1685</b>
<b>LTD</b>	<b>4751' -1686</b>

## Sample Zone Descriptions

**Fort Scott (4465', -1400): Covered in DST #1**

Limestone, tan, fine crystalline, scattered oolitic, tight, slightly chalky. Very few cuttings Ls, cream/tan, oolitic, slightly chalky, very poor oolitic porosity, very slight odor, very slow stream cut, poor show of free oil. Gas 30 units hotwire.

**Marmaton (4324' -1259): Covered in DST #2**

Limestone, cream/tan, sub-fine crystalline, scattered occasionally oolitic, slightly chalky, scattered poor oolitic porosity, no show free oil. DST from log data.

## Drill Stem Tests

Trilobite Testing

“Mike Roberts”

### DST #1

#### Fort Scott

Interval (4425' - 4515) Anchor Length 90'

IHP - 2291 #

IFP - 30" – WSB built to 1/8" 52-55 #

ISI - 30" – No return 284 #

FFP - 30" – no blow 55-56 #

FSIP - 30" – No return 118 #

FHP - 2205 #

BHT - 118° F

**Recovery:** 10' M w/Oil spots

### DST #2

#### Marmaton (straddle test)

Interval (4302' – 4352') Anchor Length 50'; Tail pipe 399'

IHP - 2336 #

IFP - 30" – Built to 3" blow 40-78#

ISI - 30" – No Return 1332 #

FFP - 30" – built to 2" blow 77-113 #

FSIP - 30" – No return 1320 #

FHP - 2080 #

BHT - 118 ° F

**Recovery:** 130' M

## Structural Comparison

	American Warrior, Inc. Kreigh #1-3 Sec. 3, T14s, R35w 388' FNL & 2581' FEL		Richie Exploration, Inc. Baker 33-B #1 Sec. 33, T13s, R35w 1100' FNL & 730' FWL		Black Tea Oil, LLC. Wood "A" #1 Sec. 16, T14s, R35w 1770' FNL & 2400' FWL
<b>Formation</b>					
<b>Heebner</b>	3872' -807	-17	3851' -790	-31	4026' -776
<b>Lansing</b>	3924' -859	-24	3896' -835	-30	4079' -829
<b>Stark</b>	4176' -1111	-23	4149' -1088	-29	4332' -1082
<b>BKC</b>	4253' -1188	-24	4225' -1164	-26	4412' -1162
<b>Marmaton</b>	4298' -1233	-20	4274' -1213	-27	4456' -1206
<b>Pawnee</b>	4392' -1327	-22	4366' -1305	-31	4546' -1296
<b>Fort Scott</b>	4452' -1387	-20	4428' -1367	-31	4606' -1356
<b>Cherokee</b>	4480' -1415	-22	4454' -1393	-29	4636' -1386
<b>Johnson</b>	4524' -1459	-18	4502' -1441	-27	4682' -1432
<b>Morrow</b>	4596' -1531	-18	4574' -1513	-25	4756' -1506
<b>Miss</b>	4681' -1616	-33	4644' -1583	-40	4826' -1576

### Summary

The location for the Kreigh #1-3 well was found via 3-D seismic survey. The new well ran structurally lower than expected. Two drill stem test 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 Kreigh #1-3 well.

Respectfully Submitted,

Lukas Thompson  
American Warrior, Inc.