

# **Geological Report**

American Warrior, Inc.

**Ausmus Unit #1-7**

160' FSL & 792' FEL

Sec 7, T14s, R35w

Logan County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Ausmus Unit #1-7  
160' FSL & 792' FEL  
Sec. 7, T14s, R35w  
Logan County, Kansas  
API # 15-109-21522-00-00

Drilling Contractor: Discovery Drilling Rig #1

Geologist: Luke Thompson

Spud Date: August 29, 2017

Completion Date: September 7, 2017

Elevation 3219' G.L.  
3227' K.B.

Directions: From the West side of Russell Springs, KS at the intersection of Hwy 25 & Broadway Ave. – Now go 0.8 miles South on Hwy 25 Rd then 2 miles West on Hwy 25 - Now go about 4 miles South on 240 Rd to Kiowa Rd – Now go 1.2 miles West – North into

Casing: 212' 8 5/8" #23 Surface Casing

Samples: 3700' to RTD 10' Wet & Dry

Drilling Time: 3600 to RTD

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

Drillstem Tests: Three-Trilobite Testing "Bradley Walter"

Problems: none encountered

## **Formation Tops**

**Ausmus Unit #1-7**

**Sec. 7, T14s, R35w**

**160' FSL & 792' FEL**

<b>Anhydrite</b>	<b>2583' +639</b>
<b>Base</b>	<b>2604' +618</b>
<b>Heebner</b>	<b>3995' -773</b>
<b>Lansing</b>	<b>4050' -828</b>
<b>Stark</b>	<b>4308' -1086</b>
<b>BKC</b>	<b>4390' -1168</b>
<b>Marmaton</b>	<b>4435' -1213</b>
<b>Pawnee</b>	<b>4524' -1302</b>
<b>Fort Scott</b>	<b>4586' -1364</b>
<b>Cherokee</b>	<b>4614' -1392</b>
<b>Johnson</b>	<b>4662' -1440</b>
<b>Morrow</b>	<b>4740' -1518</b>
<b>Miss</b>	<b>4814' -1592</b>
<b>RTD</b>	<b>4900' -1678</b>
<b>LTD</b>	<b>4900' -1678</b>

## Sample Zone Descriptions

**Marmaton (4458' -1236): Covered in DST #1**

Limestone, cream/white, oolitic packstone/fossil hash, chalky, poor oolitic porosity, poor odor, fair stain, good saturation, fair show of free oil, good show of free oil when broke, no fluorescence. Gas 35 units hotwire.

**Lansing D (4092' -870): Covered in DST #2**

Limestone, cream, oolitic packstone, poor to fair oolitic porosity, no odor, fair stain, poor saturation, poor show of free oil, gilsonite, no fluorescence, poor to fair flush cut. No Gas Kick.

**Johnson (4662' -1440): Covered in DST #3**

Limestone, cream/tan, fine crystalline, slightly chalky, occasional poor pinpoint vuggy porosity, very slight fleeting odor, (3 pieces) very poor stain and saturation, very poor show of free oil, no fluorescence, poor slow stream cut. Gas 75 units hotwire.

## Drill Stem Tests

Trilobite Testing  
“Bradley Walters”

### DST #1

#### Marmaton

Interval (4404' – 4470') Anchor Length 66'

IHP - 2195 #

IFP - 45" – built to 9"

24-114#

ISI - 45" – No return

1196#

FFP - 45" – built to 2"

131-182#

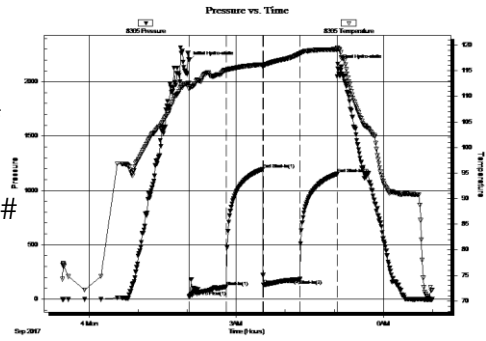
FSIP - 45" – No return

1151#

FHP - 2161 #

BHT - 120° F

**Recovery:** 340' WCM w/Oil spots



### DST #2

#### Lansing D (straddle test)

Interval (4070' – 4102') Anchor Length 32', Tail Pipe 368'

IHP - 2120 #

IFP - 30" – BOB in 14 min

25-160#

ISI - 45" – No Return

1193#

FFP - 45" – BOB in 20 min

164-267#

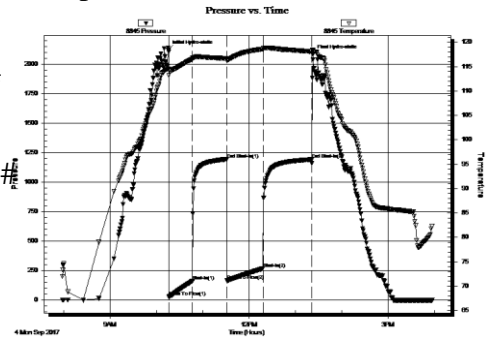
FSIP - 60" – No Return

1190#

FHP - 2083 #

BHT - 118° F

**Recovery:** 470' MCW w/Oil spots



### DST #3

#### Johnson

Interval (4633' – 4704') Anchor Length 71'

IHP - 2340 #

IFP - 30" – WSB

18-19#

ISI - 30" – No Return

41#

FFP - 30" – WSB died in 10 min

18-18#

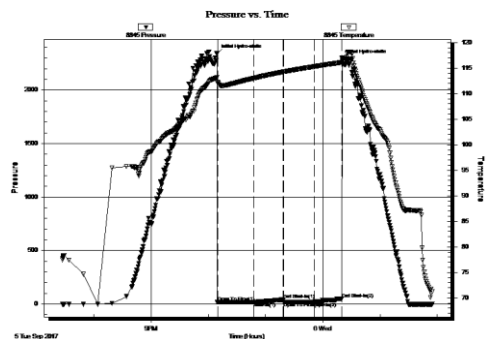
FSIP - 30" – No Return

50#

FHP - 2292 #

BHT - 117° F

**Recovery:** 5' M w/Oil spots



## Structural Comparison

	American Warrior, Inc. Ausmus Unit #1-7 Sec. 7, T14s, R35w 160' FSL & 792' FEL			American Warrior, Inc. Fairchild #1-17 Sec. 17, T14s, R35w 1506' FNL 1036' FEL			Black Tea Oil, LLC. Wood "A" #1 Sec. 16, T14s, R35w 1770' FNL & 2400' FWL	
<b>Formation</b>								
<b>Heebner</b>	<b>3995</b>	<b>-773</b>	<b>+4</b>	4004' -777	<b>+3</b>	4026' -776		
<b>Lansing</b>	<b>4050</b>	<b>-828</b>	<b>+3</b>	4058' -831	<b>+1</b>	4079' -829		
<b>Stark</b>	<b>4308</b>	<b>-1086</b>	<b>+1</b>	4314' -1087	<b>-4</b>	4332' -1082		
<b>BKC</b>	<b>4390</b>	<b>-1168</b>	<b>-5</b>	4390' -1163	<b>-6</b>	4412' -1162		
<b>Marmaton</b>	<b>4435</b>	<b>-1213</b>	<b>-8</b>	4432' -1205	<b>-7</b>	4456' -1206		
<b>Pawnee</b>	<b>4524</b>	<b>-1302</b>	<b>-8</b>	4521' -1294	<b>-6</b>	4546' -1296		
<b>Fort Scott</b>	<b>4586</b>	<b>-1364</b>	<b>-9</b>	4582' -1355	<b>-8</b>	4606' -1356		
<b>Cherokee</b>	<b>4614</b>	<b>-1392</b>	<b>-9</b>	4610' -1383	<b>-6</b>	4636' -1386		
<b>Johnson</b>	<b>4662</b>	<b>-1440</b>	<b>-10</b>	4657' -1430	<b>-8</b>	4682' -1432		
<b>Morrow</b>	<b>4740</b>	<b>-1518</b>	<b>-17</b>	4728' -1501	<b>-12</b>	4756' -1506		
<b>Miss</b>	<b>4814</b>	<b>-1592</b>	<b>-27</b>	4792' -1565	<b>-16</b>	4826' -1576		

## Summary

The location for the Ausmus Unit #1-7 well was found via 3-D seismic survey. The new well ran structurally as expected. Three 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 Ausmus Unit #1-7 well.

Respectfully Submitted,

Lukas Thompson  
American Warrior, Inc.