

# **Geological Report**

American Warrior, Inc.

**Blaesi #10-6**

335' FSL & 335' FEL

Sec 6, T15s, R41w

Wallace County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Blaesi #10-6  
335' FSL & 335' FEL  
Sec. 6, T15s, R41w  
Wallace County, Kansas  
API # 15-199-20445-00-00

Drilling Contractor: Discovery Drilling Rig #1

Geologist: Luke Thompson

Spud Date: August 17, 2017

Completion Date: August 25, 2017

Elevation 3761' G.L.  
3769' K.B.

Directions: From the North side of Sharon Springs, KS at the intersection of Hwy. 40 & Hwy. 27. – Now go 8.8 miles West on Hwy. 40 – Now go 7.7 miles South on Rd. 9 to Field Rd. – Now go approx. 0.1 mile West on Field Rd. (trail) N into.

Casing: 371' 8 5/8" #23 Surface Casing  
5200' 5 1/2" #15.5 Production Casing

Samples: 4500' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "J. Henrickson"  
Stack Micro

Drillstem Tests: no tests

Problems: none encountered

# Formation Tops

Blaesi #10-6

Sec. 6, T15s, R41w

335' FSL & 335' FEL

<b>Anhydrite</b>	<b>2740' +1029</b>
<b>Base</b>	<b>2769' +1000</b>
<b>Heebner</b>	<b>4100' -331</b>
<b>Lansing</b>	<b>4157' -388</b>
<b>Stark</b>	<b>4427' -658</b>
<b>BKC</b>	<b>4506' -737</b>
<b>Marmaton</b>	<b>4555' -786</b>
<b>Pawnee</b>	<b>4639' -870</b>
<b>Fort Scott</b>	<b>4684' -915</b>
<b>Cherokee</b>	<b>4700' -931</b>
<b>Morrow</b>	<b>4934' -1165</b>
<b>Morrow Sand</b>	<b>4959' -1190</b>
<b>Miss</b>	<b>5134' -1365</b>
<b>RTD</b>	<b>5200' -1431</b>
<b>LTD</b>	<b>5202' -1433</b>

## Sample Zone Descriptions

### **Atoka**

**(4854', -1085):**

**No DST**

Dolomite, brown, sucrosic, poor vuggy porosity, fair to good odor, poor stain and saturation, poor show of free oil, spotty yellow fluorescence, poor slow string cut. Gas 300 units hotwire.

### **Morrow Sand**

**(4959', -1190):**

**No DST**

Sandstone ,white/clear, fine to medium grained, well to sub-round, semi-spherical, fair sorted, fair cement, scattered glauconite, fair to good inter-crystalline porosity, slight fleeting odor, poor spotty green/yellow fluorescence, very poor slow stream cut, (most clusters barren). Gas 250 units hotwire.

## Structural Comparison

	American Warrior, Inc. Blaesi #10-6 Sec. 6, T15s, R41w 335' FSL & 335' FEL			American Warrior, Inc. Blaesi #4-6 Sec. 6, T15s, R41w 335' FSL & 1112' FEL			American Warrior, Inc. Flying V #1-5 Sec. 5, T15s, R41w 335' FNL & 335' FWL	
<b>Formation</b>								
Heebner	4100	-331	-3	4108' -328	+4	4100	-335	
Lansing	4157	-388	-3	4165' -385	+7	4160	-395	
Stark	4427	-658	-6	4432' -652	+2	4425	-660	
BKC	4506	-737	-5	4512' -732	-1	4501	-736	
Marmaton	4555	-786	-4	4562' -782	-1	4550	-785	
Pawnee	4639	-870	9	4659' -879	+5	4640	-875	
Fort Scott	4684	-915	9	4704' -924	+4	4684	-919	
Cherokee	4700	-931	7	4718' -938	+6	4702	-937	
Morrow	4934	-1165	3	4948' -1168	+10	4940	-1175	
Morrow Sd	4959	-1190	-4	4966' -1186	+1	4956	-1191	
Miss	5134	-1365	-9	5136' -1356				Not reached

## Summary

The location for the Blaesi #10-6 well was found via 3-D seismic survey. The new well ran structurally as expected. No drill stem tests were conducted. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Blaesi #10-6 well.

## Perforations

<b>Primary:</b>	<b>Morrow</b>	<b>(4956' – 4966')</b>	<b>not tested</b>
<b>Secondary:</b>	<b>Atoka</b>	<b>(4854' – 4858')</b>	<b>not tested</b>

Respectfully Submitted,

Lukas Thompson  
American Warrior, Inc.