

# **Geological Report**

American Warrior, Inc.

**SNS #1-7**

2430' FNL & 770' FWL

Sec. 7 T20s R20w

Pawnee County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
SNS #1-7  
2430' FNL & 770' FWL  
Sec. 7 T20s R20w  
Ness County, Kansas  
API # 15-145-21748-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: March 17, 2014

Completion Date: March 24, 2014

Elevation: 2235' Ground Level  
2241' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8  
mi. South to 50 Rd. East 2 mi. to County Line Rd.  
½ mi. South, East into location.

Casing: 222' 8 5/8" surface casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Bob Hamel"

Problems: None

Remarks: None

## Formation Tops

	<b>American Warrior, Inc.</b> SNS #1-7 Sec. 7 T20s R20w 2310' FNL & 1700' FEL
<b>Formation</b>	
Anhydrite	<b>1437', +804</b>
Base	<b>1465', +776</b>
Heebner	<b>3755', -1514</b>
Lansing	<b>3806', -1565</b>
BKc	<b>4138', -1897</b>
Pawnee	<b>4266', -2025</b>
Fort Scott	<b>4296', -2055</b>
Cherokee	<b>4311', -2070</b>
Mississippian	<b>4375', -2134</b>
RTD	<b>4388', -2147</b>

## Sample Zone Descriptions

**Mississippian Osage (4375', -2134):**      **Covered in DST #1**

Δ – Dolo – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert, mostly fresh with good vuggy porosity, light to fair oil stain in porosity, fair show of free oil, good odor, fair scattered fluorescents, 15 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.  
 “Bob Hamel”

**DST #1**

**Mississippian Osage**

Interval (4379' – 4388') Anchor Length 9'

IHP	– 2264 #	
IFP	– 45” – B.O.B. 21 min.	26-135 #
ISI	– 45” – Dead	1320 #
FFP	– 45” – B.O.B. 26 min.	138-211 #
FSI	– 45” – Dead	1305 #
FHP	– 2161 #	
BHT	– 124°F	

Recovery:	25' Clean Oil	
	43' OCW	10% Oil, 90% Water
	435' MW	90% Water

## Structural Comparison

	American Warrior, Inc. SNS #1-7 Sec. 7 T20s R20w 2310' FNL & 1700' FEL	American Energies Corp. Smith #1 Sec. 7 T20s R20w C SW NW		American Energies Corp. Smith A #1 Sec. 7 T20s R20w C NW SW	
<b>Formation</b>					
Anhydrite	<b>1437', +804</b>	1436', +801	<b>(+3)</b>	1424', +808	<b>(-4)</b>
Base	<b>1465', +776</b>	NA	<b>NA</b>	NA	<b>NA</b>
Heebner	<b>3755', -1514</b>	3756', -1519	<b>(+5)</b>	3744', -1512	<b>(-2)</b>
Lansing	<b>3806', -1565</b>	3802', -1565	<b>FL</b>	3793', -1561	<b>(-4)</b>
BKc	<b>4138', -1897</b>	NA	<b>NA</b>	NA	<b>NA</b>
Pawnee	<b>4266', -2025</b>	NA	<b>NA</b>	NA	<b>NA</b>
Fort Scott	<b>4296', -2055</b>	NA	<b>NA</b>	4285', -2053	<b>(-2)</b>
Cherokee	<b>4311', -2070</b>	NA	<b>NA</b>	4303', -2071	<b>(+1)</b>
Mississippian	<b>4375', -2134</b>	4368', -2131	<b>(-3)</b>	4362', -2130	<b>(-4)</b>

## Summary

The location for the SNS #1-7 was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the SNS #1-7 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.