

# **Geological Report**

American Warrior, Inc.

**Fredericks #1-24**

2215' FNL & 1320' FWL

Sec. 24 T18s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data:	American Warrior, Inc. Fredericks #1-24 2215' FNL & 1320' FWL Sec. 24 T18s R22w Ness County, Kansas API # 15-135-25677-0000
Drilling Contractor:	Petromark Drilling, LLC. Rig #1
Geologist:	Jason T Alm
Spud Date:	January 2, 2014
Completion Date:	January 10, 2014
Elevation:	2169' Ground Level 2175' Kelly Bushing
Directions:	Bazine KS, at the intersection of Hwy 96 and Austin St. North 1 mi. to 140 Rd. 1 mi. West to CC Rd. North ½ mi. East into location.
Casing:	223' 8 5/8" surface casing
Samples:	10' wet and dry, 3900' to RTD
Drilling Time:	3600' to RTD
Electric Logs:	None
Drillstem Tests:	Two, Trilobite Testing, Inc. "Andy Carreira"
Problems:	None
Remarks:	None

## Formation Tops

### Formation

Anhydrite  
Base  
Heebner  
Lansing  
BKc  
Pawnee  
Fort Scott  
Cherokee  
Mississippian  
RTD

American Warrior, Inc.

Fredericks #1-24

Sec. 24 T18s R22w

2215' FNL & 1320' FWL

1442', +733

1479', +696

3638', -1463

3683', -1508

3998', -1823

4084', -1909

4160', -1985

4181', -2006

4256', -2081

4275', -2100

## Sample Zone Descriptions

**Mississippian Osage (4256', -2085):**      **Covered in DST #1,2**

Dolo – Δ – Fine sucrosic crystalline with poor inter-crystalline and vuggy porosity, heavy triptolic chert, weathered with good vuggy porosity, light to fair oil stain in porosity, slight show of free oil, light odor, fair yellow cut fluorescents, 45-10 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
“Andy Carreira”

**DST #1**

**Mississippian Osage**

Interval (4209' – 4266') Anchor Length 67'

IHP	– 2121 #	
IFP	– 30" – Built to ½ in.	26-34 #
ISI	– 30" – Dead	1099 #
FFP	– 20" – W.S.B.	38-43 #
FHP	– 2071 #	
BHT	– 101°F	

Recovery: 10' SOSM

**DST #2**

**Mississippian Osage**

Interval (4266' – 4275') Anchor Length 9'

IHP	– 2162 #	
IFP	– 30" – B.O.B. 12 min.	33-150 #
ISI	– 30" – Dead	1298 #
FFP	– 30" – B.O.B. 15 min.	153-236 #
FSI	– 30" – Dead	1271 #
FHP	– 2013 #	
BHT	– 122°F	

Recovery: 470' MW

**Structural Comparison**

	American Warrior, Inc. Fredericks #1-24 Sec. 24 T18s R22w 2215' FNL & 1320' FWL	American Warrior, Inc. Filbert #1-24 Sec. 24 T18s R22w 1430' FSL & 750' FWL		Marmik Oil Co. Filbert #13-24 Sec. 24 T18s R22w 1980' FSL & 660' FWL	
<b>Formation</b>					
Anhydrite	1442', +733	1436', +739	(-6)	NA	NA
Base	1479', +696	1474', +701	(-5)	NA	NA
Heebner	3638', -1463	3634', -1459	(-4)	3636', -1462	(-1)
Lansing	3683', -1508	3680', -1505	(-3)	3680', -1506	(-2)
BKc	3998', -1823	3996', -1821	(-2)	NA	NA
Pawnee	4084', -1909	4080', -1905	(-4)	4085', -1911	(+2)
Fort Scott	4160', -1985	4158', -1983	(-2)	4160', -1986	(+1)
Cherokee	4181', -2006	4177', -2002	(-4)	4181', -2007	(+1)
Mississippian	4256', -2081	4248', -2073	(-8)	4253', -2079	(-2)

## **Summary**

The location for the Fredericks #1-24 was found via 3-D seismic survey. The new well ran slightly lower structurally than expected via the survey. Two drill stem tests were conducted, both were negative. After all gathered data had been examined the decision was made to plug and abandon the Fredericks #1-24 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.