

Geological Report

American Warrior, Inc.

Williams #11

1200' FNL & 580' FWL

Sec. 36 T19s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Williams #11
1200' FNL & 580' FWL
Sec. 36 T19s R22w
Ness County, Kansas
API # 15-135-25903-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm

Spud Date: March 2, 2016

Completion Date: March 9, 2016

Elevation: 2256' Ground Level
2264' Kelly Bushing

Directions: Bazine KS, 7 mi. South to 70 Rd, West 7/8 mi,
South into location.

Casing: 220' 8 5/8" surface casing
4386' 5 1/2" production casing

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

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Brannan Lonsdale"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Williams #11 Sec. 36 T19s R22w 1200' FNL & 580' FWL
Formation	
Anhydrite	1486', +778
Base	1519', +746
Heebner	3727', -1463
Lansing	3774', -1510
BKC	4087', -1823
Pawnee	4192', -1928
Fort Scott	4273', -2009
Cherokee	4296', -2032
Mississippian	4377', -2113
RTD	4387', -2123

Sample Zone Descriptions

- Fort Scott (4273', -2009):** **Covered in DST #1**
 Ls – Fine crystalline with poor to fair inter-crystalline porosity, light to fair oil stain with light spotted saturation, fair show of free oil, good odor, bright yellow fluorescents, 140 units hotwire.
- Mississippian Osage (4377', -2113):** **Covered in DST #2**
 Δ – Dolo – White, triptolic, weathered in part with good scattered vuggy porosity, light to good oil stain, fair show of free oil, fair to good odor, good bright yellow fluorescents

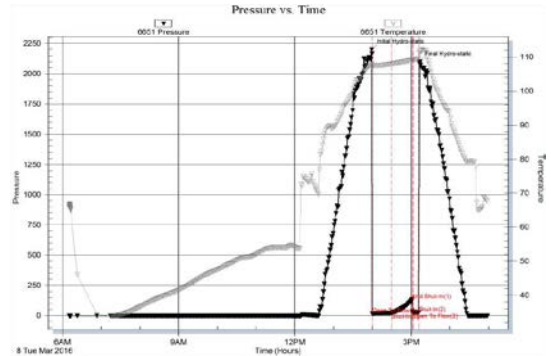
Drill Stem Tests

Trilobite Testing, Inc.
"Brannan Lonsdale"

DST #1 Fort Scott

Interval (4250' – 4310') Anchor Length 60'
 IHP – 2198 #
 IFP – 30" – W.S.B. 17-21 #
 ISI – 30" – Dead 134 #
 FFP – 10" – Dead 23-26 #
 FHP – 2098 #
 BHT – 111°F

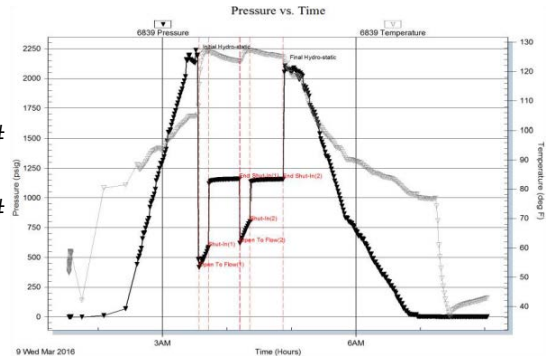
Recovery: 15' Mud w/ oil spots



DST #2 Mississippian Osage

Interval (4322' – 4387') Anchor Length 65'
 IHP – 2196 #
 IFP – 10" – B.O.B. 1 ¼ min. 414-583 #
 ISI – 30" – W.S.B. 1161 #
 FFP – 10" – B.O.B. 1 ½ min. 619-800 #
 FSI – 30" – Dead 1158 #
 FHP – 2106 #
 BHT – 127°F

Recovery: 95' Mud w/ oil spots
 317' WOCM 10% Oil, 10% Water
 1205' OCMW 10% Oil, 85% Water



Structural Comparison

	American Warrior, Inc. Williams #11 Sec. 36 T19s R22w 1200' FNL & 580' FWL	American Warrior, Inc. Williams #8 Sec. 36 T19s R22w 800' FNL & 400' FWL		Sinclair Oil & Gas Anna Williams #3 Sec. 36 T19s R22w 766' FNL & 766' FWL	
Formation					
Anhydrite	1486', +778	1488', +780	(-2)	NA	NA
Base	1519', +746	NA	NA	NA	NA
Heebner	3727', -1463	3726', -1458	(-5)	NA	NA
Lansing	3774', -1510	3774', -1506	(-4)	3762', -1500	(-10)
BKC	4087', -1823	NA	NA	NA	NA
Pawnee	4192', -1928	4196', -1928	FL	NA	NA
Fort Scott	4273', -2009	4275', -2007	(-2)	4261', -1999	(-10)
Cherokee	4296', -2032	4296', -2028	(-4)	NA	NA
Mississippian	4377', -2113	4356', -2088	(-25)	4357', -2095	(-18)

Summary

The location for the Williams #11 was found via 3-D seismic survey. The new well ran structurally as expected via the survey on all datums except for the Mississippian. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Williams #11 well.

Recommended Perforations

Mississippian Osage

(4377' – 4382')

DST #2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.