

Geological Report

American Warrior, Inc.

GS #2-33

540' FNL & 2305' FWL

Sec. 33 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
GS #2-33
540' FNL & 2305' FWL
Sec. 33 T18s R21w
Ness County, Kansas
API # 15-135-25833-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: December 6, 2014

Completion Date: December 13, 2014

Elevation: 2112' Ground Level
2120' Kelly Bushing

Directions: Bazine KS, East 1 ½ mi. to FF Rd. South ¼ mi.
East and South into location.

Casing: 1350' 8 5/8" surface casing
4204' 5 1/2" production casing

Samples: 10' wet and dry, 3850' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

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

Problems: None

Remarks: After DST #1 the gas detector carried to much
background to see the Mississippian gas kick due to
oil in the drilling mud.

Formation Tops

	American Warrior, Inc. GS #2-33 Sec. 33 T18s R21w 540' FNL & 2305' FWL
Formation	
Anhydrite	1339', +781
Base	1374', +746
Heebner	3571', -1451
Lansing	3616', -1496
BKc	3936', -1816
Pawnee	4019', -1899
Fort Scott	4090', -1970
Cherokee	4105', -1985
Mississippian	4176', -2056
Osage	4193', -2073
RTD	4205', -2085

Sample Zone Descriptions

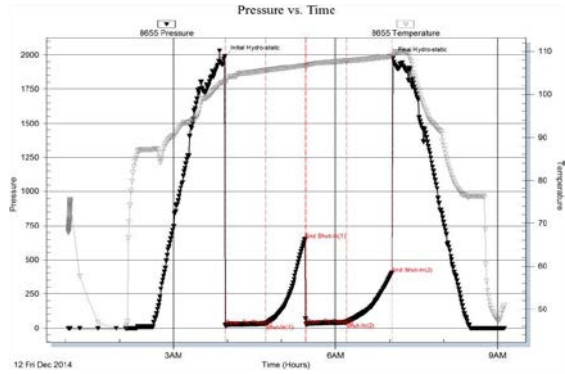
- Fort Scott (4090', -1970):** **Covered in DST #1**
 Ls – Fine to sub-crystalline with poor scattered pinpoint inter-crystalline porosity, light to fair oil stain and saturation in porosity, slight show of free oil, very light odor, good cut fluorescents, slightly fossiliferous, 58 units hotwire.
- Mississippian Osage (4193', -2073):** **Covered in DST #2**
 Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, heavy triptolic chert, weathered with good vuggy porosity, light to fair oil stain and saturation, fair to good show of free oil, fair odor, good spotted yellow fluorescents.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Brannan Lonsdale"

DST #1 Fort Scott

Interval (4065' – 4125') Anchor Length 60'
 IHP – 1988 #
 IFP – 45" – Built to 5 ½ in. 19-35 #
 ISI – 45" – Dead 650 #
 FFP – 45" – Built to 6 in. 28-46 #
 FSI – 45" – Dead 402 #
 FHP – 1976 #
 BHT – 109°F

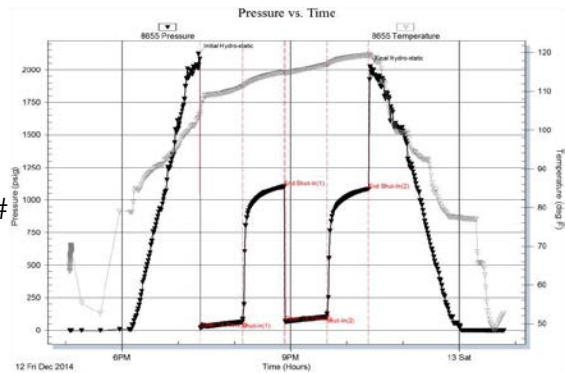
Recovery: 239' GIP
 1' Clean Oil
 75' SOCM 10% Oil



DST #1 Mississippian Osage

Interval (4196' – 4205') Anchor Length 9'
 IHP – 2118 #
 IFP – 45" – Built to 10 in. 19-63 #
 ISI – 45" – Dead 1105 #
 FFP – 45" – Built to 8 in. 66-101 #
 FSI – 45" – Dead 1085 #
 FHP – 2023 #
 BHT – 119°F

Recovery: 45' Clean Oil
 160' SOCMW 5% Oil, 85% Water



Structural Comparison

	American Warrior, Inc. GS #2-33 Sec. 33 T18s R21w 540' FNL & 2305' FWL	American Warrior, Inc. Ryersee #4-33 Sec. 33 T18s R21w 300' FNL & 1975' FEL		American Warrior, Inc. GS #1-33 Sec. 33 T18s R21w 740' FWL & 520' FWL	
Formation					
Anhydrite	1339', +781	1338', +776	(+5)	1352', +768	(+13)
Base	1374', +746	1368', +746	FL	1386', +734	(+12)
Heebner	3571', -1451	3568', -1454	(+3)	3580', -1460	(+9)
Lansing	3616', -1496	3613', -1499	(+3)	3626', -1506	(+10)
BKc	3936', -1816	3930', -1816	FL	3948', -1828	(+12)
Pawnee	4019', -1899	4015', -1901	(+2)	4027', -1907	(+9)
Fort Scott	4090', -1970	4086', -1972	(+2)	4102', -1982	(+12)
Cherokee	4105', -1985	4102', -1988	(+3)	4118', -1998	(+13)
Mississippian	4176', -2056	NA	NA	4198', -2078	(+22)
Osage	4193', -2073	4184', -2070	(-3)	4204', -2084	(+11)

Summary

The location for the GS #2-33 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. 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 GS #2-33 well.

Recommended Perforations

Primary:

Mississippian Osage 4193' – 4199' DST #2

Before Abandonment:

Fort Scott 4092' – 4096' DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.