

Geological Report

American Warrior, Inc.
Wiedeman-Dianne Unit #1
2600' FSL & 1650' FEL
Sec. 20 T19s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Wiedeman-Dianne Unit #1
2600' FSL & 1650' FEL
Sec. 20 T19s R21w
Ness County, Kansas
API # 15-135-25641-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: July 26, 2013

Completion Date: August 3, 2013

Elevation: 2277' Ground Level
2283' Kelly Bushing

Directions: Bazine KS, from the intersection of Hwy 96 and Austin St. South 3 mi. to 100 Rd. East 1 mi. to EE Rd. 1 mi. South to 90 Rd. East ¾ mi. South into location.

Casing: 223' 8 5/8" surface casing
4412' 5 1/2" production casing

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

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Wiedeman-Dianne Unit #1 Sec. 20 T19s R21w 2600' FSL & 1650' FEL
Formation	
Anhydrite	1503', +780
Base	1537', +746
Heebner	3759', -1476
Lansing	3802', -1519
BKc	4136', -1853
Pawnee	4224', -1941
Fort Scott	4298', -2015
Cherokee	4316', -2033
Mississippian	4391', -2108
RTD	4313', -2130

Sample Zone Descriptions

Mississippian Osage (4391', -2108): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, very heavy triptolic chert, weathered with fair vuggy porosity, light to good oil stain in porosity, fair show of free oil, good odor, bright yellow fluorescents, 54-62 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
 “Ray Schwager”

DST #1

Mississippian Osage

Interval (4391' – 4408') Anchor Length 15'

IHP	– 2110 #	
IFP	– 45” – B.O.B. 42 min.	21-73 #
ISI	– 45” – Dead	1117 #
FFP	– 45” – B.O.B. 35 min.	78-108 #
FSI	– 45” – W.S.B.	1043 #
FHP	– 2048 #	
BHT	– 118°F	

Recovery:	400' GIP	
	235' GCO	Gravity: 40° API
	30' MGO	60% Oil

Structural Comparison

	American Warrior, Inc. Wiedeman-Dianne Unit #1 Sec. 20 T19s R21w 2600' FSL & 1650' FEL	American Warrior, Inc. Dianne #2-20 Sec. 20 T19s R21w 2310' FNL & 1600' FEL		Chief Drilling & B&B Drilling Hinnergardt #1 Sec. 20 T19s R21w E2 SW NE	
Formation					
Anhydrite	1503', +780	1494', +790	(-10)	1493', +787	(-7)
Base	1537', +746	1528', +756	(-10)	1527', +753	(-7)
Heebner	3759', -1476	3756', -1472	(-4)	3757', -1477	(-1)
Lansing	3802', -1519	3799', -1515	(-4)	3801', -1521	(-2)
BKc	4136', -1853	4130', -1846	(-7)	4133', -1853	FL
Pawnee	4224', -1941	4216', -1932	(-9)	4220', -1940	(-1)
Fort Scott	4298', -2015	4294', -2010	(-5)	4293', -2013	(-2)
Cherokee	4316', -2033	4311', -2027	(-6)	4312', -2032	(-1)
Mississippian	4391', -2108	4378', -2094	(-14)	4388', -2108	FL

Summary

The location for the Wiedeman-Dianne Unit #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted 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 1/2 inch production casing to further evaluate the Wiedeman-Dianne Unit #1 well.

Recommended Perforations

Mississippian Osage: (4391' – 4411') DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.