

Geological Report

American Warrior, Inc.
Raymond #1-21 Unit
2530' FSL & 1680' FEL
Sec. 21 T18s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Raymond #1-21 Unit
2530' FSL & 1680' FEL
Sec. 21 T18s R21w
Ness County, Kansas
API # 15-135-25664-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T. Alm

Spud Date: October 26, 2013

Completion Date: November 3, 2013

Elevation: 2141' Ground Level
2147' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 to FF rd. North 1 mi. to
140 Rd. East ½ mi. North into location.

Casing: 228' 8 5/8" surface casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Brandon Turley"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	Raymond #1-21 Unit
	Sec. 21 T18s R21w
Formation	2530' FSL & 1680' FEL
Anhydrite	1387', +760
Base	1417', +730
Heebner	3616', -1469
Lansing	3662', -1515
BKc	3992', -1845
Pawnee	4058', -1911
Fort Scott	4133', -1986
Cherokee	4152', -2005
Mississippian	4254', -2107
RTD	4263', -2116

Sample Zone Descriptions

Cher. "A" Sand (4156', -2009): Covered in DST #1

Ss – Fine grained, well sorted, fair to well cemented, fair to well-rounded with poor to fair inter-granular porosity, light spotted oil stain in cluster, no show of free oil, no odor, light yellow spotted cut fluorescents, 11 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
"Brandon Turley"

DST #1

Cherokee "A" Sand

Interval (4146' – 4180') Anchor Length 34'

IHP – 2082 #	
IFP – 30" – B.O.B. 8 min.	51-181 #
ISI – 30" – Dead	653 #
FFP – 30" – B.O.B. 11 min.	183-278 #
FSI – 30" – Dead	622 #
FHP – 2055 #	
BHT – 119°F	

Recovery:	155' WCM	20% Water
	372' MCW	95% Water

Structural Comparison

Formation	American Warrior, Inc. Raymond #1-21 Unit Sec. 21 T18s R21w 2530' FSL & 1680' FEL	Ferguson Oil & Gas Clarence Foos #1 Sec. 21 T18s R21w C NW SW	American Warrior, Inc. Ryersee #3-28 Sec. 28 T18s R21w 840' FNL & 430' FEL
Anhydrite	1387', +760	1380', +760	FL 1335', +773 (-13)
Base	1417', +730	NA	NA 1367', +741 (-11)
Heebner	3616', -1469	3601', -1461	(-8) 3574', -1466 (-3)
Lansing	3662', -1515	3649', -1509	(-6) 3618', -1510 (-5)
BKc	3992', -1845	NA	NA NA NA
Pawnee	4058', -1911	4046', -1906	(-5) 4012', -1904 (-7)
Fort Scott	4133', -1986	4121', -1981	(-5) 4089', -1980 (-6)
Cherokee	4152', -2005	4141', -2001	(-4) 4106', -1998 (-7)
Mississippian	4254', -2107	4228', -2088	(-19) 4189', -2081 (-26)

Summary

The location for the Raymond #1-21 Unit was found via 3-D seismic survey. The new well ran structurally as expected on all datums besides the Mississippian. 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 Raymond #1-21 Unit well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.