

Geological Report

American Warrior, Inc.

LJ Unit #1

600' FNL & 142' FEL

Sec. 21 T18s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
LJ Unit #1
600' FNL & 142' FEL
Sec. 21 T18s R22w
Ness County, Kansas
API # 15-135-25663-0000

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

Geologist: Jason T Alm

Spud Date: November 16, 2013

Completion Date: November 24, 2013

Elevation: 2174' Ground Level
2182' Kelly Bushing

Directions: Bazine KS, 3 mi. West on Hwy 96 to AA rd. North
2 mi. West into location.

Casing: 222' 8 5/8" surface casing

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

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "J. Hendrickson"
CNL/CNL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Ray Schwager, Jim
Svaty"

Problems: None

Remarks: DST #1 was pulled early due to weak blow

Formation Tops

Formation	American Warrior, Inc. LJ Unit #1 Sec. 21 T18s R22w 600' FNL & 142' FEL
Anhydrite	1472', +710
Base	1508', +674
Heebner	3648', -1466
Lansing	3692', -1510
BKc	4018', -1836
Pawnee	4096', -1914
Fort Scott	4182', -2000
Cherokee	4204', -2022
Reworked Miss	4272', -2090
Mississippian	4309', -2127
Gilmore City	4412', -2230
LTD	4427', -2245
RTD	4420', -2238

Sample Zone Descriptions

Reworked Miss (4272', -2090): **Covered in DST #1,2**
 Dolo – Fine to sub-crystalline with poor to fair vuggy porosity, light to heavy oil stain and saturation, slight to fair show of free oil, good odor, dull to fair cut yellow fluorescents, 120-15 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Ray Schwager, Jim Svaty"

DST #1

Reworked Mississippian

Interval (4218' – 4285') Anchor Length 67'

IHP – 2070 #	
IFP – 30" – Built to ½ in.	23-25 #
ISI – 30" – Dead	67 #
FFP – 25" – Dead	25-26 #
FHP – 2005 #	
BHT – 109°F	

Recovery: 5' SOCM 1% Oil

DST #2

Reworked Mississippian

Interval (4217' – 4304') Anchor Length 87'

IHP – 2098 #	
IFP – 45" – Built to 4 ½ in.	26-38 #
ISI – 45" – Dead	651 #
FFP – 45" – Built to 1 ½ in.	41-45 #
FSI – 45" – Dead	535
FHP – 1982 #	
BHT – 107°F	

Recovery: 60' SOCM 1% Oil

Structural Comparison

	American Warrior, Inc. LJ Unit #1 Sec. 21 T18s R22w 600' FNL & 142' FEL	American Warrior, Inc. Larry Stieben #1-21 Sec. 21 T18s R22w 1030' FNL & 1660' FEL		American Warrior, Inc. Larry Stieben #2-21 Sec. 21 T18s R22w 480' FNL & 2180' FEL	
Formation					
Anhydrite	1472', +710	1525', +709	(+1)	1523', +710	(FL)
Base	1508', +674	1558', +676	(-2)	1556', +677	(-3)
Heebner	3648', -1466	3690', -1456	(-10)	3692', -1459	(-7)
Lansing	3692', -1510	3736', -1502	(-8)	3738', -1505	(-5)
BKc	4018', -1836	4052', -1818	(-16)	4058', -1825	(-11)
Pawnee	4096', -1914	4130', -1896	(-18)	4136', -1903	(-11)
Fort Scott	4182', -2000	4214', -1980	(-20)	4224', -1991	(-9)
Cherokee	4204', -2022	4236', -2002	(-20)	4244', -2011	(-11)
Reworked Miss	4272', -2090	Not Encountered	NE	Not Encountered	NE
Mississippian	4309', -2127	4305', -2071	(-56)	4410', -2177	(+50)
Gilmore City	4412', -2230	Not Reached	NR	4444', -2211	(-19)

Summary

The location for the LJ Unit #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the LJ Unit #1 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.