Geological Report

American Warrior, Inc.
Schniepp #4-31NE
1100' FNL & 1275' FEL
Sec. 31 T18s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Schniepp #4-31NE 1100' FNL & 1275' FEL Sec. 31 T18s R21w Ness County, Kansas API # 15-135-25609-0000
Drilling Contractor:	Petromark Drillling, LLC. Rig # 1
Geologist:	Jason T Alm
Spud Date:	August 25, 2013
Completion Date:	September 3, 2013
Elevation:	2121' Ground Level 2127' Kelly Bushing
Directions:	Bazine KS, ½ mi. East on Hwy 96, South into location.
Casing:	1383' 8 5/8" surface casing 4239' 5 1/2" production casing
Samples:	10' wet and dry, 3500' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	Pioneer Energy Services "Y. Ruiz" CNL/CDL, DIL
Drillstem Tests:	One, Trilobite Testing, Inc. "Jeff Brown"
Problems:	None

None

Remarks:

Formation Tops

	American Warrior, Inc.		
	Schniepp #4-31NE		
	Sec. 31 T18s R21w		
Formation	1100' FNL & 1275' FEL		
Anhydrite	1369', +758		
Base	1406', +721		
Heebner	3598', -1471		
Lansing	3643', -1516		
BKc	3964', -1837		
Pawnee	4042', -1915		
Fort Scott	4123', -1996		
Cherokee	4140', -2013		
Mississippian	4236', -2109		
LTD	4240', -2113		
RTD	4242', -2115		

Sample Zone Descriptions

Cherokee Sand (4196', -2069): Covered in DST #1

Ss – Quartz, clear, fine to very fine grained, sub-angular, well sorted, well cemented with poor to very poor inter-granular porosity, light to fair oil stain, no show of free oil, no odor, dull yellow fluorescents, 50 units hotwire.

Mississippian Osage (4236', -2109): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor to fair intercrystalline porosity, heavy slightly triptolic chert, weathered with fair to good vuggy porosity, light to fair spotted oil stain, slight show of free oil, fair odor, few pieces with gilsonite stain, dull yellow fluorescents.

Drill Stem Tests

Trilobite Testing, Inc. "Jeff Brown"

DST #1 <u>Mississippian Osage / Cherokee Sand</u>

Interval (4177' – 4242') Anchor Length 65'

IHP - 2043 #

IFP - 45" - Built to 3 in. 39-67 #
ISI - 45" - Dead 1230 #
FFP - 45" - Built to 1 in. 62-85 #
FSI - 45" - Dead 1193 #

FHP - 1926 # BHT - 117°F

Recovery: 90' MW w/ oil spots

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Schniepp #4-31NE	Schniepp #2-31NE		Schniepp #1-31NE	
	Sec. 31 T18s R21w	Sec. 31 T18s R21w		Sec. 31 T18s R21w	
Formation	1100' FNL & 1275' FEL	720' FNL & 760' FEL		2150' FNL & 900' FEL	
Anhydrite	1369', +758	1369', +756	(+2)	1375', +756	(+2)
Base	1406', +721	1404', +721	FL	1409', +722	(-1)
Heebner	3598', -1471	3596', -1471	FL	3600', -1469	(-2)
Lansing	3643', -1516	3641', -1516	FL	3646', -1515	(-1)
BKc	3964', -1837	3962', -1837	FL	3968', -1837	FL
Pawnee	4042', -1915	4041', -1916	(+1)	4047', -1916	(+1)
Fort Scott	4123', -1996	4124', -1999	(+3)	4129', -1998	(+2)
Cherokee	4140', -2013	4140', -2015	(+2)	4144', -2013	FL
Mississippian	4236', -2109	4205', -2080	(-29)	4220', -2089	(-20)

Summary

The location for the Schniepp #4-31NE was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which was negative. A tight Cherokee Sand was encountered with significant shows. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Schniepp #4-31NE well.

Recommended Perforations

Primary:

Cherokee Sand: (4196' – 4208') DST #1

Before Abandonment:

Mississippian Osage: (4236' – 4239') DST #1 Fort Scott: (4128' – 4132') Not Tested

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.