

Geological Report

American Warrior, Inc.

LH #1-19

1960' FNL & 2310' FWL

Sec. 19 T17s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
LH #1-19
1960' FNL & 2310' FWL
Sec. 29 T17s R21w
Ness County, Kansas
API # 15-135-25790-0000

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

Geologist: Jason T Alm

Spud Date: July 25, 2014

Completion Date: August 1, 2014

Elevation: 2248' Ground Level
2256' Kelly Bushing

Directions: Bazine KS, from the intersection of Hwy 96 and
Austin St. North 7 ½ mi. East into location.

Casing: 216' 8 5/8" surface casing
4345' 5 1/2" production casing

Samples: 10' wet and dry, 3950' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. LH #1-19 Sec. 19 T17s R21w 1960' FNL & 2310' FWL
Anhydrite	1557', +699
Base	1592', +664
Heebner	3719', -1463
Lansing	3763', -1507
BKc	4033', -1777
Pawnee	4141', -1885
Fort Scott	4217', -1961
Cherokee	4234', -1978
Mississippian	4309', -2053
Osage	4320', -2064
RTD	4346', -2090

Sample Zone Descriptions

Mississippian Osage (4320', -2053): Covered in DST #1

Chert – Dolo – Fine sucrosic crystalline with poor to fair inter-crystalline porosity, very heavy slightly triptolic chert, weathered with good scattered vuggy porosity, light to fair oil stain and saturation, very slight show of free oil, no odor, dull yellow fluorescents, 15 units hotwire.

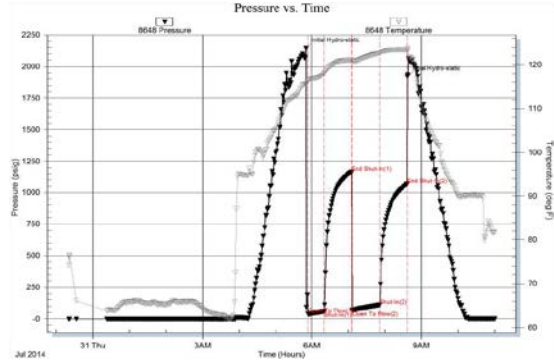
Drill Stem Tests

Trilobite Testing, Inc.
"Cody Bloedorn"

DST #1 Mississippian Osage

Interval (4321' – 4341') Anchor Length 20'

IHP	– 2143 #	
IFP	– 30" – B.O.B. 14 min.	38-60 #
ISI	– 45" – W.S.B.	1165 #
FFP	– 45" – B.O.B. 26 min.	66-109 #
FSI	– 45" – Dead	1068 #
FHP	– 1919 #	
BHT	– 123°F	



Recovery:	310' GIP	
	137' GCO	
	124' GHOCM	50% Oil

Structural Comparison

	American Warrior, Inc. LH #1-19 Sec. 19 T17s R21w 1960' FNL & 2310' FWL	American Warrior, Inc. Elmer's #1-19 Sec. 19 T17s R21w 550' FNL & 1920' FEL		American Warrior, Inc. Carl-Betty #2-19 Sec. 19 T17s R21w 1475' FSL & 2000' FEL	
Formation					
Anhydrite	1557', +699	1572', +701	(-2)	1533', +701	(-2)
Base	1592', +664	1607', +666	(-2)	1566', +668	(-4)
Heebner	3719', -1463	3735', -1462	(-1)	3696', -1462	(-1)
Lansing	3763', -1507	3779', -1506	(-1)	3740', -1506	(-1)
BKc	4033', -1777	4051', -1778	(+1)	4022', -1788	(+11)
Pawnee	4141', -1885	4155', -1882	(-3)	4126', -1892	(+7)
Fort Scott	4217', -1961	4233', -1960	(-1)	4204', -1970	(+9)
Cherokee	4234', -1978	4247', -1974	(-4)	4220', -1986	(+8)
Mississippian	4309', -2053	4322', -2049	(-4)	4314', -2080	(+27)
Osage	4320', -2064	4338', -2065	(+1)	4321', -2087	(+23)

Summary

The location for the LH #1-19 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 ½ inch production casing to further evaluate the LH #1-19 well.

Recommended Perforations

Mississippian Osage	(4320' – 4340')	DST #1
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.