

Geological Report

American Warrior, Inc.

MMH #2-25

485' FNL & 725' FEL

Sec. 25 T20s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
MMH #2-25
485' FNL & 725' FEL
Sec. 25 T20s R21w
Ness County, Kansas
API # 15-135-25837-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: December 15, 2014

Completion Date: January 11, 2015

Elevation: 2207' Ground Level
2215' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 10 mi. South to 30 Rd. East 2 mi. to County Line Rd. 1 ¼ mi. South, West into location.

Casing: 220' 8 5/8" surface casing
4367' 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. "Ken Swinney"

Problems: None

Remarks: Rig set up on December 15. They shut rig down over the holidays and started back up on January 6.

Formation Tops

Formation	American Warrior, Inc.
	MMH #2-25
	Sec. 25 T20s R21w
	485' FNL & 725' FEL
Anhydrite	1395', +818
Base	1425', +788
Heebner	3721', -1508
Lansing	3770', -1557
BKc	4118', -1905
Pawnee	4252', -2039
Fort Scott	4275', -2063
Cherokee	4295', -2083
Mississippian	4358', -2145
RTD	4367', -2154

Sample Zone Descriptions

Mississippian Osage (4358', -2145): **Covered in DST #1**

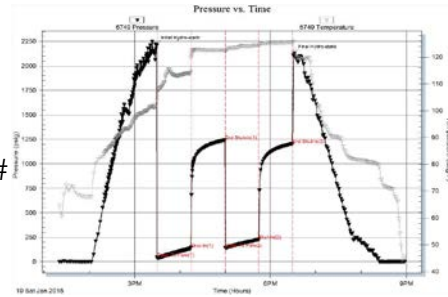
Δ – Dolo – Fine sucrosic crystalline with poor to fair vuggy and inter-crystalline porosity, very heavy slightly triptolic chert, weathered with fair to good vuggy porosity, light to fair oil stain and saturation, fair show of free oil, good odor, fair to good yellow fluorescents, 52 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Ken Swinney"

DST #1 Mississippian Osage

Interval (4360' – 4367') Anchor Length 7'

- IHP – 2217 #
- IFP – 45" – B.O.B. 16 ½ min. 44-138 #
- ISI – 45" – Built to 2 ½ in. 1243 #
- FFP – 45" – B.O.B. 32 min. 140-225 #
- FSI – 45" – Built to 1 ¾ in. 1206 #
- FHP – 2128 #
- BHT – 125°F



Recovery: 201' GIP
 93' Clean Oil
 263' M&OCW 10% Oil, 80% Water
 124' MCW w/ Oil Show

Structural Comparison

	American Warrior, Inc. MMH #2-25 Sec. 25 T20s R21w 485' FNL & 725' FEL	D R Lauck Oil Co. Inc. Martin #1 Sec. 25 T20s R21w C NE NE		Horizon Petroleum Martin #1 Sec. 25 T20s R21w N2 N2 NE	
Formation					
Anhydrite	1395', +818	NA	NA	1402', +819	(-1)
Base	1425', +788	NA	NA	1432', +789	(-1)
Heebner	3721', -1508	3716', -1510	(+2)	3728', -1507	(-1)
Lansing	3770', -1557	3768', -1562	(+5)	3778', -1557	FL
BKc	4118', -1905	NA	NA	NA	NA
Pawnee	4252', -2039	NA	NA	NA	NA
Fort Scott	4275', -2063	4276', -2070	(+7)	4284', -2063	FL
Cherokee	4295', -2083	4295', -2089	(+6)	NA	NA
Mississippian	4358', -2145	4347', -2141	(-4)	4362', -2141	(-4)

Summary

The location for the MMH #2-25 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 MMH #2-25 well.

Recommended Perforations

Mississippian Osage

(4358' – 4363')

DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.