Geological Report

American Warrior, Inc.
Williams #12
1550' FNL & 1980' FWL
Sec. 36 T19s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Williams #12 1550' FNL & 1980' FWL Sec. 36 T19s R22w Ness County, Kansas API # 15-135-25904-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	March 14, 2016
Completion Date:	March 21, 2016
Elevation:	2250' Ground Level 2258' Kelly Bushing
Directions:	Bazine KS, 6 mi. South to 70 Rd, West 3/4 mi, South into location.
Casing:	228' 8 5/8" surface casing 4375' 5 1/2" production casing
Samples:	10' wet and dry, 4000' to RTD
Drilling Time:	3700' to RTD
Electric Logs:	None
Drillstem Tests:	Two, Trilobite Testing, Inc. "Ray Schwager"
Problems:	None

None

Remarks:

Formation Tops

Formation Anhydrite Base	American Warrior, Inc. Williams #12 Sec. 36 T19s R22w 1550' FNL & 1980' FWL 1475', +783 1507', +751
Heebner Lansing BKC Pawnee Fort Scott	3722', -1464 3772', -1514 4084', -1826 4192', -1934 4271', -2013
Cherokee Mississippian RTD	4294', -2036 4361', -2103 4376', -2118

Sample Zone Descriptions

Mississippian Osage (4361 -2103): Covered in DST #1 & 2

 Δ – Dolo – White, slightly triptolic, weathered in part with good scattered vuggy porosity, light to fair oil stain with light spotted saturation, good show of free oil, good odor, bright yellow fluorescents, 65-55 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Ray Schwager"

DST #1 Mississippian Osage

Interval (4363' – 4371') Anchor Length 8'

IHP - 2159 #

IFP -45" – Built to 4 ¼ in. 23-44 #

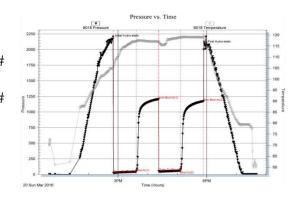
ISI – 45" – Dead 1207 #

FFP - 45" - Built to 3 in. 53-61 #

FSI -45" - Dead

 $FHP \quad -\,2063~\#$

BHT - 119°F



Recovery: 60' GIP

60' Clean Oil

40' O&GCWM 15% Oil, 30% Water

DST #2 Mississippian Osage

Interval (4368' – 4376') Anchor Length 8'

IHP - 2155 #

IFP – 45" – Built to 3 in. 22-47 #

ISI – 45" – W.S.B. 1148 #

FFP - 45" - Built to 3 in. 50-82 # FSI - 45" - Dead 1115 #

FHP - 2066 #

BHT $-117^{\circ}F$

Recovery: 70' GIP

50' Clean Oil

60' SO&GCWM 5% Oil, 35% Water

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		Sinclair Oil & Gas	
	Williams #12	Williams #9		Anna Williams #1	
	Sec. 36 T19s R22w	Sec. 36 T19s R22w		Sec. 36 T19s R22w	
Formation	1550' FNL & 1980' FWL	2100' FNL & 1720' FWL		C NE NW	
Anhydrite	1475', +783	1468', +787	(-4)	1487', +773	(-10)
Base	1507', +751	NA	NA	NA	NA
Heebner	3722', -1464	3718', -1463	(-1)	3722', -1462	(-2)
Lansing	3772', -1514	3767', -1512	(-2)	3773', -1513	(-1)
BKC	4084', -1826	NA	NA	NA	NA
Pawnee	4192', -1934	4188', -1933	(-1)	NA	NA
Fort Scott	4271', -2013	4269', -2014	(+1)	4272', -2012	(-1)
Cherokee	4294', -2036	4290', -2035	(-1)	NA	NA
Mississippian	4361', -2103	4353', -2098	(-5)	4363', -2103	FL

Summary

The location for the Williams #12 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted, both of 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 Williams #12 well.

Recommended Perforations

Mississippian Osage (4361' – 4375') DST #1 & 2

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.