

Geological Report

American Warrior, Inc.

Felder #3-13

1685' FSL & 1465' FEL

Sec. 13 T20s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Felder #3-13
1685' FSL & 1465' FEL
Sec. 13 T20s R21w
Ness County, Kansas
API # 15-135-25846-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: February 16, 2015

Completion Date: February 22, 2015

Elevation: 2216' Ground Level
2224' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi South to 50 Rd. East 2 mi. to county line, South
1 ½ mi. West into location.

Casing: 220' 8 5/8" surface casing
4383' 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: DST #1 had plugging action throughout test.

Remarks: None

Formation Tops

Formation	American Warrior, Inc.
	Felder #3-13
	Sec. 13 T20s R21w
	1685' FSL & 1465' FEL
Anhydrite	1424', +800
Base	1453', +771
Heebner	3742', -1518
Lansing	3795', -1571
BKc	4133', -1909
Pawnee	4264', -2040
Fort Scott	4290', -2066
Cherokee	4308', -2084
Mississippian	4368', -2144
RTD	4384', -2160

Sample Zone Descriptions

Mississippian Osage (4368', -2144): **Covered in DST #1**

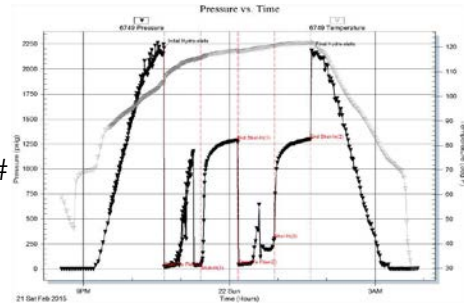
Δ – Dolo – Fine crystalline with poor pinpoint vuggy porosity, heavy white chert, weathered in part. with good vuggy porosity, light to fair oil stain and saturation in porosity, slight to fair show of free oil on cup, fair odor, fair to good yellow fluorescents, 58 units hotwire.

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

DST #1 **Mississippian Osage**

Interval (4370' – 4379') Anchor Length 9'

IHP	- 2210 #	
IFP	- 45" – Built to 5 in.	20-40 #
ISI	- 45" – Dead	1288 #
FFP	- 45" – Built to ½ in.	41-302 #
FSI	- 45" – Dead	1297 #
FHP	- 2181 #	
BHT	- 121°F	



Recovery:	45' MCO	90% Oil
	60' OCM	20% Oil

Structural Comparison

	American Warrior, Inc. Felder #3-13 Sec. 13 T20s R21w 1685' FSL & 1465' FEL	American Warrior, Inc. Felder #1-13 Sec. 13 T20s R21w 1800' FSL & 560' FEL		American Warrior, Inc. Felder #2-13 Sec. 13 T20s R21w 335' FSL & 2310' FEL	
Formation					
Anhydrite	1424', +800	1407', +800	FL	1440', +795	(+5)
Base	1453', +771	1435', +772	(-1)	1468', +767	(+4)
Heebner	3742', -1518	3730', -1523	(+5)	3761', -1526	(+8)
Lansing	3795', -1571	3782', -1575	(+4)	3811', -1576	(+5)
BKc	4133', -1909	4112', -1905	(+4)	4155', -1920	(+11)
Pawnee	4264', -2040	4250', -2043	(+3)	4284', -2049	(+9)
Fort Scott	4290', -2066	4276', -2069	(+3)	4312', -2077	(+11)
Cherokee	4308', -2084	4295', -2088	(+4)	4330', -2095	(+11)
Mississippian	4368', -2144	4353', -2146	(+2)	4384', -2149	(+5)

Summary

The location for the Felder #3-13 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 Felder #3-13 well.

Recommended Perforations

Mississippian Osage

(4370' – 4380')

DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.