

Geological Report

American Warrior, Inc.
Hinnergardt #3-12
1000' FNL & 2240' FWL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Hinnergardt #3-12
1000' FNL & 2240' FWL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25836-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: January 16, 2015

Completion Date: January 23, 2015

Elevation: 2240' Ground Level
2248' Kelly Bushing

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

Casing: 221' 8 5/8" surface casing
4393' 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. "Phillip Gage"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Hinnergardt #3-12 Sec. 12 T20s R21w 1000' FNL & 2240' FWL
Anhydrite	1449', +799
Base	1477', +771
Heebner	3763', -1515
Lansing	3814', -1566
BKc	4144', -1896
Pawnee	4272', -2024
Fort Scott	4300', -2052
Cherokee	4316', -2068
Mississippian	4374', -2126
RTD	4394', -2146

Sample Zone Descriptions

- Fort Scott (4300', -2052): Not Tested**
 Ls – Fine to sub-crystalline with poor pinpoint inter-crystalline porosity, very light brown oil stain in porosity, slight show of free oil when broken, no odor, fair to good yellow fluorescents, slight chert, 10 units hotwire.
- Mississippian Osage (4374', -2126): Covered in DST #1**
 Δ – Dolo – fine crystalline with poor to fair vuggy and inter-crystalline porosity, very heavy slightly triptolic chert, weathered in part. with fair to good vuggy porosity, light to good oil stain and fair spotted saturation, fair show of free oil, good odor, light to good yellow fluorescents, 55 units hotwire.

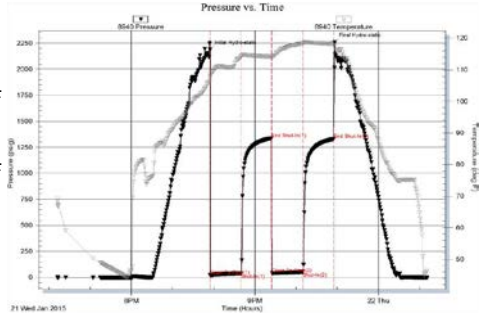
Drill Stem Tests

Trilobite Testing, Inc.
"Phillip Gage"

DST #1 Mississippian Osage

Interval (4376' – 4387') Anchor Length 11'

IHP – 2186 #	
IFP – 45" – Built to 6 ½ in.	21-39 #
ISI – 45" – Dead	1337 #
FFP – 45" – Built to 5 ¾ in.	41-53 #
FSI – 45" – Dead	1329 #
FHP – 2257 #	
BHT – 118°F	



Recovery:	20' GIP		
	40' Clean Oil		
	63' VSWOCM		15% Oil, 5% Water

Structural Comparison

	American Warrior, Inc. Hinnergardt #3-12 Sec. 12 T20s R21w 1000' FNL & 2240' FWL	American Warrior, Inc. Hinnergardt #1-12 Sec. 12 T20s R21w 690' FNL & 1530' FWL		Ben Hinnergardt #1 National Oil Co. Sec. 12 T20s R21w 810' FNL & 1830' FEL	
Formation					
Anhydrite	1449', +799	1455', +800	(-1)	1450', +796	(+3)
Base	1477', +771	NA	NA	NA	NA
Heebner	3763', -1515	3784', -1526	(+14)	3764', -1518	(+3)
Lansing	3814', -1566	3833', -1578	(+12)	3815', -1569	(+3)
BKc	4144', -1896	NA	NA	NA	NA
Pawnee	4272', -2024	4293', -2038	(+14)	NA	NA
Fort Scott	4300', -2052	4320', -2065	(+13)	4305', -2059	(+7)
Cherokee	4316', -2068	4335', -2080	(+14)	NA	NA
Mississippian	4374', -2126	4397', -2142	(+16)	4378', -2132	(+6)

Summary

The location for the Hinnergardt #3-12 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 Hinnergardt #3-12 well.

Recommended Perforations

Primary:

Mississippian Osage	(4374' – 4389')	DST #1
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Before Abandonment:

Fort Scott	(4302' – 4308')	Not Tested
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.