

Geological Report

American Warrior, Inc.
Hinnergardt #4-12
1480' FNL & 1200' FWL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Hinnergardt #4-12
1480' FNL & 1200' FWL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25851-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm, D.J. Rebel

Spud Date: March 9, 2015

Completion Date: March 17, 2015

Elevation: 2243' Ground Level
2251' 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: 222' 8 5/8" surface casing
4402' 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. "Jim Svaty"

Problems: Test tool slid to bottom during DST #1. Resulted in
a mis-run

Remarks: After DST #1 hole was swept clean and DST #2
went to bottom without any problems.

Formation Tops

	American Warrior, Inc. Hinnergardt #4-12 Sec. 12 T20s R21w 1480' FNL & 1200' FWL
Formation	
Anhydrite	1457', +794
Base	1484', +767
Heebner	3776', -1525
Lansing	3824', -1573
BKc	4153', -1902
Pawnee	4283', -2032
Fort Scott	4309', -2058
Cherokee	4326', -2075
Mississippian	4386', -2135
RTD	4403', -2152

Sample Zone Descriptions

Mississippian Osage (4386', -2135): **Covered in DST #1, 2**

Δ – White, weathered with good scattered vuggy porosity, light to fair oil stain with light scattered saturation in porosity, slight show of free when broken, scattered fine crystalline dolomite with good oil stain, fair odor, good white to yellow fluorescents.

Drill Stem Tests
Trilobite Testing, Inc.
"Jim Svaty"

DST #1 Mississippian Osage

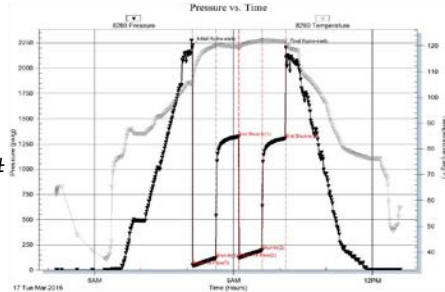
Interval (4390' – 4400') Anchor Length 10'
Mis-Run

Recovery: 225' Mud

DST #2 Mississippian Osage

Interval (4391' – 4400') Anchor Length 9'

- IHP – 2224 #
- IFP – 30" – B.O.B. 11 min. 48-118 #
- ISI – 30" – Built to 1 ½ in. 1323 #
- FFP – 30" – B.O.B. 13 min. 121-196 #
- FSI – 30" – Built to 1 ½ in. 1302 #
- FHP – 2202 #
- BHT – 122°F



- Recovery: 189' GIP
 247' GCO
 33' MWCO 40% Oil, 40% Water
 30' OMCW 10% Oil, 55% Water
 126' MCW 95% Water

Structural Comparison

Formation	American Warrior, Inc. Hinnergardt #4-12 Sec. 12 T20s R21w 1480' FNL & 1200' FWL	American Warrior, Inc. Hinnergardt #1-12 Sec. 12 T20s R21w 690' FNL & 1530' FWL		Hinnergardt B #1 Pickrell Oil Co. Sec. 12 T20s R21w C SE NW	
Anhydrite	1457', +794	1455', +800	(-6)	1440', +800	(-6)
Base	1484', +767	NA	NA	NA	NA
Heebner	3776', -1525	3784', -1526	(+1)	3759', -1519	(-6)
Lansing	3824', -1573	3833', -1578	(+5)	3810', -1570	(-3)
BKc	4153', -1902	NA	NA	NA	NA
Pawnee	4283', -2032	4293', -2038	(+6)	NA	NA
Fort Scott	4309', -2058	4320', -2065	(+7)	4305', -2065	(+7)
Cherokee	4326', -2075	4335', -2080	(+5)	NA	NA
Mississippian	4386', -2135	4397', -2142	(+7)	4379', -2139	(+4)

Summary

The location for the Hinnergardt #4-12 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted one 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 Hinnergardt #4-12 well.

Recommended Perforations

Primary:

Mississippian Osage

(4386' – 4400')

DST #2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.