

Geological Report

American Warrior, Inc.

C-F Unit #1

275' FNL & 2110' FWL

Sec. 25 T18s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
C-F Unit #1
275' FNL & 2110' FWL
Sec. 25 T18s R22w
Ness County, Kansas
API # 15-135-25689-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: December 19, 2013

Completion Date: January 1, 2014

Elevation: 2163' Ground Level
2169' Kelly Bushing

Directions: Bazine KS, from the intersection of Hwy 96 and Austin St. North 1 mi. to 140 Rd. West 1/2 mi. South into location.

Casing: 223' 8 5/8" surface casing
4279' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "J. Hendrickson"
CNL / CDL, DIL

Drillstem Tests: One, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: None

Remarks: Rig shut down for Christmas from 22nd – 28th.

Formation Tops

Formation	American Warrior, Inc. C-F Unit #1 Sec. 25 T18s R22w 275' FNL & 2110' FWL
Anhydrite	1429', +740
Base	1462', +707
Heebner	3622', -1453
Lansing	3666', -1497
BKc	3983', -1814
Pawnee	4072', -1903
Fort Scott	4148', -1979
Cherokee	4170', -2001
Mississippian	4258', -2089
LTD	4280', -2111
RTD	4280', -2111

Sample Zone Descriptions

Fort Scott

(4148', -1979): Covered in DST #1

Ls – Fine crystalline with poor to fair inter-crystalline porosity, light to fair spotted oil stain, slight show of free oil, light odor, good yellow fluorescents, 80 units hotwire.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Cody Bloedorn"

DST #1

Fort Scott

Interval (4130' – 4180') Anchor Length 50'

IHP	– 2071 #	
IFP	– 30" – B.O.B. 3 min.	51-130 #
ISI	– 45" – Built to 7 ½ in.	1316 #
FFP	– 45" – B.O.B. Immediately	143-229 #
FSI	– 60" – B.O.B. 4 min.	1286 #
FHP	– 2048 #	
BHT	– 116°F	

Recovery:	GTS Final Shut In	
	124' GCO	
	248' GHOCM	40% Oil
	124' GHOCM	40% Oil

Structural Comparison

Formation	American Warrior, Inc. C-F Unit #1 Sec. 25 T18s R22w 275' FNL & 2110' FWL	American Warrior, Inc. Corsair-Witthuhn Heirs Unit #1 Sec. 25 T18s R22w 2430' FNL & 1120' FWL	Cities Service Corp. Fricken #1 Sec. 25 T18s R22w 860' FNL & 1980' FWL
Anhydrite	1429', +740	1415', +742	NA
Base	1462', +707	1447', +710	NA
Heebner	3622', -1453	3615', -1458	3624', -1455
Lansing	3666', -1497	3662', -1505	3670', -1501
BKc	3983', -1814	3980', -1823	NA
Pawnee	4072', -1903	4068', -1911	NA
Fort Scott	4148', -1979	4146', -1989	4156', -1987
Cherokee	4170', -2001	4166', -2009	4176', -2007
Mississippian	4258', -2089	4243', -2086	4261', -2092

Summary

The location for the C-F Unit 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 Fort Scott formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the C-F Unit #1 well.

Recommended Perforations

Fort Scott

(4154' – 4160')

DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.