

Geological Report

American Warrior, Inc.

Irsik Equities #5-35

967' FSL & 340' FEL

Sec. 35, T24s, R30w

Gray County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Irsik Equities #5-35
967' FSL & 340' FEL
Sec. 35, T24s, R30w
Gray County, Kansas
API # 15-069-20485-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: September 4, 2014

Completion Date: September 13, 2014

Elevation 2843' G.L.
2854' K.B.

Directions: From Garden City, KS. Go south-east on Hwy 50 to Pole Line Rd. Go East To 6 Rd. Go South 1.5 miles and West into.

Casing: 1693' 8 5/8" #24 Surface Casing
5087' 5 1/2" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Stack-Micro

Drillstem Tests: Two-Trilobite Testing "Justin Harris"

Problems: First DST was a misrun. Second DST final open and shut in times were messed up.

Formation Tops

Irsik Equities #5-35

Sec. 35, T24s, R30w

967' FSL & 340' FEL

Anhydrite	1937' +917
Base	2003' +851
Heebner	4101' -1247
Lansing	4147' -1293
Stark	4483' -1629
Bkc	4633' -1779
Marmaton	4659' -1805
Pawnee	4729' -1875
Fort Scott	4753' -1899
Cherokee	4766' -1912
Morrow	4902' -2048
Miss	4948' -2094
RTD	5100' -2246
LTD	5101' -2247

Sample Zone Descriptions

Morrow (4902', -2048): Covered in DST #1 & #2

Sandstone. Grey/Glauconitic. Medium to coarse grain. Well rounded. Well sorted. Fair stain. Fair saturation. Show of free oil when broken. Fair odor. 80 Unit gas kick. Dirty sand.

Drill Stem Tests
Trilobite Testing
“Justin Harris”

DST #1

Misrun

DST #2

Morrow

Interval (4886’ – 4945’) Anchor Length 59’

IHP - 2449 #

IFP - 30” – BOB in 6 min

27-71 #

ISI - 45” – No return

1280 #

FFP - 45” – BOB in 3 min

86-170 #

FSIP - 60” – 3” return

1197 #

FHP - 2298 #

BHT - 123° F

Recovery: 190’ GOCM (20% Oil)

170’ OG (30% Oil)

310’ GIP

Structural Comparison

	American Warrior, Inc. Irsik Equities #5-35 Sec. 35, T24s, R30w 967’ FSL & 340’ FEL		American Warrior, Inc. Irsik-Equities #1-35 Sec. 35, T24s, R30w 988’ FSL & 1402’ FEL		American Warrior, Inc. Irsik-Equities #2-35 Sec 35, T24s, R30w 2550’ FNL & 1700’ FEL
Formation					
Heebner	4101’ -1247	-4	4097’ -1243	-2	4099’ -1245
Lansing	4147’ -1293	-2	4145’ -1291	FL	4147’ -1293
Stark	4483’ -1629	-6	4477’ -1623	-5	4478’ -1624
BKC	4633’ -1779	-19	4614’ -1760	-19	4614’ -1760
Marmaton	4659’ -1805	-22	4637’ -1783	-20	4639’ -1785
Pawnee	4729’ -1875	-18	4711’ -1857	-18	4711’ -1857
Fort Scott	4753’ -1899	-18	4735’ -1881	-19	4734’ -1880
Cherokee	4766’ -1912	-17	4749’ -1895	-21	4745’ -1891
Morrow	4902’ -2048	-20	4882’ -2028	-24	4878’ -2024
Miss	4948’ -2094	-55	4893’ -2039	-62	4886’ -2032

Summary

The location for the Irsik-Equities #5-35 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, one of which recovered commercial quantities of oil from the Morrow Sandstone. After all the gathered data had been examined, the decision was made to run 5 ½” casing to further evaluate the Irsik-Equities #5-35 well.

Perforations

Primary: **Morrow** **(4927' – 4937')**

Secondary: **Morrow** **(4938' – 4943)**

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.