

Geological Report

American Warrior, Inc.

Irsik Equities #4-35

988' FSL & 2102' FEL

Sec. 35, T24s, R30w

Gray County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Irsik Equities #4-35
988' FSL & 2102' FEL
Sec. 35, T24s, R30w
Gray County, Kansas
API # 15-069-20482-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: August 15, 2014

Completion Date: August 26, 2014

Elevation 2844' G.L.
2855' 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: 1704' 8 5/8" #24 Surface Casing
5082' 5 1/2" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Stack-Micro

Drillstem Tests: Two-Trilobite Testing "Shane McBride"

Problems: Gas detector didn't work properly

Formation Tops

Irsik Equities #4-35

Sec. 35, T24s, R30w

988' FSL & 2102' FEL

Anhydrite	1938' +917
Base	2003' +852
Heebner	4096' -1241
Lansing	4143' -1288
Stark	4470' -1615
Bkc	4618' -1763
Marmaton	4639' -1784
Pawnee	4716' -1861
Fort Scott	4741' -1886
Cherokee	4753' -1898
Morrow	4886' -2031
Miss	4899' -2044
RTD	5100' -2245
LTD	5101' -2246

Sample Zone Descriptions

Morrow (4886', -2031): Covered in DST #1

Sandstone. Grey/Glauconitic. Medium to coarse grain. Well rounded. Well sorted. Fair stain. Fair saturation. Show of free oil when broken. Fair odor. 10 Unit gas kick.

Drill Stem Tests
Trilobite Testing
"Shane McBride"

DST #1

Morrow

Interval (4872' – 4898') Anchor Length 26'

IHP	- 2440 #	
IFP	- 30" – BOB in 3 min	34-84 #
ISI	- 45" – WSB built to 1 ½"	1221 #
FFP	- 45" – BOB in 2 min	75-121 #
FSIP	- 60" – BOB in 14 min	1151 #
FHP	- 2392 #	
BHT	- 126° F	

Recovery: 155' CGO (85% Oil) Gravity: 28
 186' GSMCO (70% Oil)
 3570' GIP

DST #2

St. Louis

Interval (4920' – 4950') Anchor Length 30'

IHP	- 2495 #	
IFP	- 30" – WSB died in 5 min	12-13 #
ISI	- 30" – No return	21 #
FFP	- 10" – No blow	12-13 #
FSIP	- Pull Tool	NA
FHP	- 2404 #	
BHT	- 118° F	

Recovery: 1' Mud

Structural Comparison

Formation	American Warrior, Inc. Irsik Equities #4-35 Sec. 35, T24s, R30w 988' FSL & 2102' 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
Heebner	4096' -1241	+2	4097' -1243	+4	4099' -1245
Lansing	4143' -1288	+3	4145' -1291	+5	4147' -1293
Stark	4470' -1615	+8	4477' -1623	+9	4478' -1624
BKC	4618' -1763	-3	4614' -1760	-3	4614' -1760
Marmaton	4639' -1784	-1	4637' -1783	+1	4639' -1785
Pawnee	4716' -1861	-4	4711' -1857	-4	4711' -1857
Fort Scott	4741' -1886	-5	4735' -1881	-6	4734' -1880
Cherokee	4753' -1898	-3	4749' -1895	-7	4745' -1891
Morrow	4886' -2031	-3	4882' -2028	-7	4878' -2024
Miss	4899' -2044	-5	4893' -2039	-12	4886' -2032

Summary

The location for the Irsik Equities #4-25 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 #4-35 well.

Perforations

Primary: Morrow (4895' – 4898')

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

