

Geological Report

American Warrior, Inc.

Whipple C-#4

1454' FNL & 1417' FEL

Sec 8, T18s, R26w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Whipple C-#4
1454' FNL & 1417' FEL
Sec. 8, T18s, R26w
Ness County, Kansas
API # 15-135-25819-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: October, 1 2014

Completion Date: October 10, 2014

Elevation 2510' G.L.
2521' K.B.

Directions: From Ness City, KS go west on Highway 96 15 miles to Beeler, KS. West side of Beeler, turn North on Road C. Go 3.2 miles to gate with white panels and cattle guard. Follow Lease road in approx. 1.5 miles.

Casing: 211' #28 Surface Casing
4616' 5 1/2" #15.5 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "R. Barnhart"
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Brannon Lonsdale"

Problems: None Encountered

Formation Tops

Whipple C-#4

Sec. 8, T18s, R26w

1454' FNL & 1417' FEL

Anhydrite	1938' +917
Base	2003' +852
Heebner	3803' -1282
Lansing	3839' -1318
Stark	4096' -1575
Bkc	4167' -1646
Marmaton	4175' -1654
Pawnee	4301' -1780
Fort Scott	4357' -1836
Cherokee	4380' -1859
Miss	4460' -1939
RTD	4625' -2104
LTD	4626' -2105

Sample Zone Descriptions

- Lansing** (3856', -1335): Covered in DST #1
Dolomite, cream to white, sucrosic, vuggy, fair to good inter-crystalline and vuggy porosity, poor to fair odor, good stain, fair saturation. No Gas Kick (unit was not recording).
- Cherokee** (4398', -1877): Covered in DST #2
Limestone, tan, dense, some cuttings oolitic with poor to fair oomoldic porosity, fair to poor stain and saturation, good odor. Gas Kick of 220 units.
- Warsaw** (4466', -1945): Covered in DST #3
Dolomite, brown, sucrosic, vuggy, good inter-crystalline and vuggy porosity, good to strong odor, good saturation, good stain. Gas Kick of 2300 units.

Drill Stem Tests
Trilobite Testing
“Brannon Lonsdale”

DST #1

Lansing

Interval (3830' – 3871') Anchor Length 41' & 68' tail pipe

IHP - 1868 #
IFP - 45" – BOB in 41 min 201-251 #
ISI - 45" – No Blow 1194 #
FFP - 45" – Slow Build 9" 256-301 #
FSIP - 45" – No Blow 1177 #
FHP - 1857 #
BHT - 117° F

Recovery: 545' WM, 15% W, 85%M

DST #2

Cherokee

Interval (4378' – 4411') Anchor Length 33'

IHP - 2166 #
IFP - 30" – WSB built to .25" 17-21 #
ISI - 30" – No return 44 #
FFP - 10" – No blow 18-22 #
FSIP - Pull Tool NA
FHP - 2109 #
BHT - 120° F

Recovery: 5' Mud

DST #3

Miss (Warsaw)

Interval (4402' – 4474') Anchor Length 72'

IHP - 2207 #
IFP - 30" – BOB 22 min 27-155 #
ISI - 45" – Slow build to 0.5" 155-580 #
FFP - 30" – BOB 18 min 161-209 #
FSIP - 45" – No Blow 209-575 #
FHP - 2136 #
BHT - 121° F

Recovery: 180' HO CM (40% O, 60% M), 250 SOWM (15%O,
35%W, 50% M), 130' GIP

Structural Comparison

	American Warrior, Inc. Whipple C- #4 Sec. 8, T18s, R26w 1454' FNL & 1417' FEL		Donald C. Slawson Whipple C- #1 Sec. 8, T18s, R26w 3630' FSL & 1650' FEL		Buffalo Operating Co. Whipple C- #3 Sec. 8, T18s, R26w 4290' FSL & 940' FEL
Formation					
Heebner	3803' -1282	-1	3805' -1281	+15	3817' -1297
Lansing	3839' -1318	-2	3840' -1316	+15	3853' -1333
Stark	4096' -1575	-3	4096' -1572	+14	4109' -1589
BKC	4167' - 1646	-1	4169' -1645	+16	4182' -1662
Marmaton	4175' -1654	0	4178' -1654	+18	4192' -1672
Pawnee	4301' -1780	-2	4302' -1778	+16	4316' -1796
Fort Scott	4357' -1836	-3	4357' -1833	+18	4374' -1854
Cherokee	4380' -1859	-1	4382' -1858	+19	4398' -1878
Miss	4464' -1943	-4	4463' -1939	+15	4478' -1958

Summary

The location for the Whipple C-#4 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, one of which recovered commercial quantities of oil from the Warsaw Dolomite. After all the gathered data had been examined, the decision was made to run 5 ½" casing to further evaluate the Whipple C-#4 well.

Perforations

Primary: Miss Warsaw (4466' – 4472')

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.