

# **Geological Report**

American Warrior, Inc.

**Congdon #14-28**

2290' FSL & 2250' FEL

Sec. 28, T23s, R32w

Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Congdon #14-28  
2290' FSL & 2250' FEL  
Sec. 28, T23s, R32w  
Finney County, Kansas  
API # 15-055-22277-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: February 8, 2014

Completion Date: February 17, 2014

Elevation 2843' G.L.  
2855' K.B.

Directions: From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker 2 miles to Rodkey Rd. Go West ¼ mile on Rodkey and NNW into location.

Casing: 1742' 8 5/8" #24 Surface Casing

Samples: 4400' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: None

Drillstem Tests: Three-Trilobite Testing "Sam Esparza"

Problems: None

## Formation Tops

Congdon #14-28

Sec. 28, T23s, R32w

2290' FSL & 2250' FEL

<b>Heebner</b>	<b>3836' -981</b>
<b>Lansing</b>	<b>3879' -1024</b>
<b>Stark</b>	<b>4242' -1387</b>
<b>Bkc</b>	<b>4395' -1540</b>
<b>Marmaton</b>	<b>4423' -1568</b>
<b>Pawnee</b>	<b>4477' -1622</b>
<b>Fort Scott</b>	<b>4509' -1654</b>
<b>Cherokee</b>	<b>4520' -1665</b>
<b>Morrow</b>	<b>4686' -1831</b>
<b>Mississippian</b>	<b>4710' -1855</b>
<b>RTD</b>	<b>4798' -1943</b>

### Sample Zone Descriptions

**Cherokee** (4520', -1665): Covered in DST #1

Ls. Tan. Medium to sub crystalline. Fair oolytic and oolycastic porosity. Fair stain. Fair saturation. Show of free oil when broken. Fair odor. 35 Unit gas kick.

**Morrow** (4686', -1831): Covered in DST #2

Ss. Grey glauconitic. Fine to medium grain. Poor to moderately rounded. Dirty. Poor stain. Fair saturation. Show of free oil when broken. Fair odor. 10 Unit gas kick.

**St. Louis** (4710',-1855): Covered in DST #3

Ls. Off-White,Tan. Sub-Med crystalline. Fair oolycastic and oomodlic porosity. Fair stain and fair saturation in porosity. Show of free oil when broken. Fair odor. 10 Unit gas kick.

## Drill Stem Tests

Trilobite Testing

“Sam Esparza”

### DST #1

#### Cherokee

Interval (4518' - 4536') Anchor Length 18'

IHP - 2207 #

IFP - 30" – ¼" blow died in 24 min 13-15 #

ISI - 30" – No return 22 #

FFP - 10" – No blow 15-16 #

FSIP - 10" – No return 16 #

FHP - 2160 #

BHT - 107° F

Recovery: 5' Mud with oil spots

### DST #2

#### Morrow

Interval (4678' – 4720') Anchor Length 42'

IHP - 2303 #

IFP - 30" – WSB died in 7 min 16-19 #

ISI - 30" – No return 238 #

FFP - 10" – No blow 19-19 #

FSIP - Pull Tool NA

FHP - 2247 #

BHT - 109° F

Recovery: 5' Mud

### DST #3

#### St. Louis

Interval (4780' – 4795') Anchor Length 15'

IHP - 2335 #

IFP - 30" – ¼" blow 13-19 #

ISI - 30" – No return 285 #

FFP - 30" – 1" blow 18-20 #

FSIP - 30" – No return 124 #

FHP - 2311 #

BHT - 124° F

Recovery: 15' Mud with oil scum on top

## Structural Comparison

	American Warrior, Inc. Congdon #14-28 Sec. 28, T23s, R32w 2290' FSL & 2250' FEL		American Warrior, Inc. Congdon #12-28 Sec. 28, T23s, R32w 1380' FSL & 2566' FEL		American Warrior, Inc. Congdon #6-28 Sec 28, T23s, R32w 942' FSL & 1745' FEL
<b>Formation</b>					
Heebner	3836' -981	+7	3841' -989	+11	3845' -992
Lansing	3879' -1024	+8	3884' -1032	+12	3889' -1036
Stark	4242' -1387	+13	4252' -1400	+12	4252' -1399
BKC	4395' -1540	+15	4407' -1555	+7	4400' -1547
Marmaton	4423' -1568	+18	4448' -1596	+6	4427' -1574
Pawnee	4477' -1622	+12	4486' -1634	+4	4479' -1626
Fort Scott	4509' -1654	+9	4515' -1663	+6	4513' -1660
Cherokee	4520' -1665	+10	4527' -1675	+8	4526' -1673
Morrow	4686' -1831	+11	4694' -1842	+9	4693' -1840
Miss	4710' -1855	+15	4722' -1870	+4	4712' -1859

### Summary

The location for the Congdon #14-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem test was conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Congdon #14-28 well.

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

