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American Warrior Inc.  
Hoffman #8-2  
SE-SW-NE-NW (1021' FNL & 1652' FWL)  
Section 2-17s-12w  
Barton County, Kansas  
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**5 1/2" Production Casing Set**

**Contractor:** Duke Drilling Co. (Rig #8)  
**Commenced:** December 11, 2013  
**Completed:** December 18, 2013  
**Elevation:** 1891' K.B; 1889' D.F; 1883' G.L.  
**Casing program:** Surface; 8 5/8" @ 419'  
Production; 5 1/2" @ 3449'  
**Sample:** Samples saved and examined 2800' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2800 ft. to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Tests:** There were three (3) Drill Stem Tests ran by Trilobite Testing Co.  
**Electric Log:** By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity, Micro and Sonic Logs.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	767	+1124
Base Anhydrite	793	+1098
Heebner	2966	-1075
Toronto	2980	-1089
Douglas	2995	-1104
Brown Lime	3055	-1164
Lansing	3068	-1177
Base Kansas City	3304	-1413
Arbuckle	3336	-1445
Rotary Total Depth	3450	-1559
Log Total Depth	3452	-1561

(All tops and zones corrected to Electric Log measurements).

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TOPEKA SECTION**

2908-2930' Limestone; cream, tan, chalky, poor visible porosity, no shows.

**TORONTO SECTION**

2980-2990' Limestone; gray, white, finely crystalline, few fossiliferous, chalky, no shows.

**LANSING SECTION**

3068-3080' Limestone; tan, brown, fine and medium crystalline, slightly chalky, few fossiliferous, poor visible porosity, no shows.

3080-3090' Limestone; cream, to tan, finely crystalline, chalky, poor scattered porosity, trace light brown stain, trace of free oil and faint odor.

3100-3108' Limestone; cream, finely crystalline, slightly chalky, poor to fair scattered porosity, light brown to golden brown stain, show of free oil and fair odor in fresh samples.

3111-3120' Limestone; cream, tan, mottled, finely crystalline, poor porosity, no show of free oil and faint odor in fresh samples.

**Drill Stem Test #1** **3060-3115'**

Times: 30-45-45-60

Blow: Fair to good

Recovery: 260' gas in pipe  
40' very slightly oil cut mud  
(3% gas, 2% oil, 95% mud)  
10' slightly mud cut gassy watery oil  
(30% gas, 40% oil, 20% water, 10% mud)

Pressures: ISIP 410 psi  
FSIP 491 psi  
IFP 17-25 psi  
FFP 55-118 psi  
HSH 1532-1501 psi

3121-3132' Limestone; cream, white, finely crystalline, chalky, no shows.

3143-3150' Limestone; cream, tan, oolitic, oomoldic, poorly developed porosity, trace brown stain, no free oil and no odor.

3150-3159' Limestone; tan, oomoldic, good oomoldic porosity, light brown stain, show of free oil and faint odor.

Drill Stem Test #2 3124-3159'

Times: 30-45-45-45  
Blow: Strong  
Recovery: 260' gas in pipe  
40' slightly oil cut mud  
60' muddy water

Pressures: ISIP 500 psi  
FSIP 492 psi  
IFP 17-37 psi  
FFP 38-63 psi  
HSH 1565-1522 psi

- 3214-3226' Limestone; tan, finely crystalline, poor to fair vuggy type porosity, no shows.
- 3237-3250' Limestone; tan, brown, mottled, finely crystalline, slightly cherty, poor visible porosity, no shows.
- 3248-3260' Limestone; tan, finely crystalline, poor scattered porosity, no shows.
- 3273-3280' Limestone; tan, gray, fossiliferous, chalky, poor porosity, no shows.

ARBUCKLE SECTION

- 3336-3345' Dolomite; white, finely crystalline, scattered intercrystalline porosity, light brown to black stain, trace of free oil and no odor.
- 3345-3349' Dolomite; as above, light brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #3 3311-3349'

Times: 30-30-45-45  
Blow: Strong  
Recovery: 90' gas in pipe  
60' heavy oil and gas cut mud  
(5% gas, 45% oil, 50% mud)  
120' slightly mud cut oil  
(5% gas, 65% oil, 35% mud)  
30' gassy oil  
(20% gas, 80% oil)

Pressures: ISIP 717 psi  
FSIP 560 psi  
IFP 23-32 psi  
FFP 33-42 psi  
HSH 1672-1619 psi

- 3349-3360' Dolomite; white to cream, finely crystalline, fair intercrystalline porosity, light brown stain, show of free oil and questionable odor

in fresh samples.

- |            |   |
|------------|---|
| 3360-3380' | Dolomite; white, fine to medium crystalline, fair to good intercrystalline porosity, no shows.          |
| 3380-3400' | Dolomite; white to tan, finely crystalline, poor visible porosity, no shows.                            |
| 3400-3420' | Dolomite; white, tan, finely crystalline, scattered porosity, no shows.                                 |
| 3420-3452' | Dolomite; white to gray, fine and medium crystalline, poor to fair intercrystalline porosity, no shows. |

Rotary Total Depth	3450
Log Total Depth	3452

**Recommendations:** 5 ½" production casing was set and cemented in the Hoffman #8-2.

Respectfully submitted;



Wyatt Urban,  
Petroleum Geologist