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American Warrior Inc.
D&S #1-5
NE-NW-SW-SW (1100' FSL & 500' FWL)
Section 5-16s-10w
Ellsworth County, Kansas
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5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (Rig #8)
Commenced: January 28, 2014
Completed: February 2, 2014
Elevation: 1819' K.B; 1817' D.F; 1811' G.L.
Casing program: Surface; 8 5/8" @ 386'
Production; 5 1/2" @ 3409'
Sample: Samples saved and examined 2650' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2650 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There was one (1) Drill Stem Test ran by Trilobite Testing Co.
Electric Log: By Pioneer; Dual Induction, Dual Compensated Porosity Log and Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Heebner	2853	-1034
Toronto	2874	-1053
Douglas	2886	-1065
Brown Lime	2954	-1135
Lansing	2969	-1150
Base Kansas City	3257	-1438
Arbuckle	3283	-1464
Rotary Total Depth	3410	-1591
Log Total Depth	3412	-1593

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

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

TOPEKA SECTION

2797-2834' Limestone; tan, brown, few fossiliferous, poor scattered visible porosity, no shows.

TORONTO SECTION

2875-2884' Limestone; tan/brown, finely crystalline, few fossiliferous, poor visible porosity, no shows.

LANSING SECTION

2969-2980'	Limestone; tan, oolitic, poorly developed porosity, dense, no shows.
3001-3012'	Limestone; cream, tan, finely crystalline, sub oomoldic in pat, no shows.
3018-3028'	Limestone; cream/tan, oomoldic, scattered oomoldic porosity, trace stain, no free oil and faint odor in fresh samples.
3048-3060'	Limestone; tan, chalky, oomoldic in part, few with scattered oomoldic, vuggy porosity, no shows.
3068-3080'	Limestone; cream/tan, oomoldic, good oomoldic and vuggy type porosity, no shows.
3112-3122'	Limestone; cream, finely crystalline, few fossiliferous, poor visible porosity, no shows.
3142-3162'	Limestone; tan, brown, finely crystalline, oolitic, scattered porosity, no shows.
3193-3203'	Limestone; tan, finely crystalline, poorly developed porosity, light brown stain, show of free oil and faint odor in fresh samples.
3218-3234'	Limestone; tan, cream, finely crystalline, poorly developed porosity, no shows.

ARBUCKLE SECTION

3283-3298'	Dolomite; tan, sucrosic, poor visible porosity, light brown stain, show of free oil and faint odor in fresh samples.
3298-3305'	Dolomite; as above, fair pinpoint to fine vuggy type porosity, light brown stain, show of free oil and faint/fair odor in fresh samples.

Drill Stem Test #1 3248-3303'

Times: 30-30-15-30

Blow: Strong

Recovery: 125' gas in pipe
95' oil specked gassy thin watery mud
(25% gas, 5% water, 75% mud)
1250' heavy oil and gas cut muddy water
(25% gas, 10% mud, 20% water, 45% oil)
314' oil and gas cut muddy water
(20% gas, 5% mud, 25% oil, 50% water)
125' muddy water

Pressures:	ISIP	1092	psi
	FSIP	1094	psi
	IFP	99-641	psi
	FFP	617-771	psi
	HSH	1622-1629	psi

3303-3320'	Dolomite; tan, finely crystalline, sucrosic, poor intercrystalline porosity, light brown stain, show of free oil and faint odor in fresh samples.
3320-3350'	Dolomite; tan, sucrosic, slightly cherty, poor to fair intercrystalline porosity, no stain, no show of free oil and questionable odor in fresh samples.
3350-3380'	Dolomite; tan, finely crystalline, dense, poorly developed porosity, no shows.
3380-3410'	Dolomite; tan/brown, finely crystalline, sucrosic, cherty in part, no shows.

Rotary Total Depth	3410
Log Total Depth	3412

Recommendations: 5 ½" production casing was set and cemented in the American Warrior D&S #1-5.

Respectfully submitted;



Wyatt Urban,
Petroleum Geologist