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American Warrior Inc.
Tempero #7-23
SE-SW-NW-SE (1630' FSL & 2263' FEL)
Section 23-17s-14w
Barton County, Kansas

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5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (rig #8)
Commenced: August 4, 2014
Completed: August 12, 2014
Elevation: 1929' K.B., 1927' D.F., 1921' G.L.
Casing program: Surface; 8 5/8" @ 845'
Production, 5 1/2" @ 3499'
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 two (2) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity Log and Micro-resistivity Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	890	+1039
Base Anhydrite	918	+1011
Heebner	3089	-1160
Toronto	3102	-1173
Brown Lime	3163	-1234
Lansing	3174	-1245
Base Kansas City	3373	-1444
Conglomerate	3388	-1459
Arbuckle	3421	-1492
Rotary Total Depth	3500	-1571
Log Total Depth	3452	-1523

(All tops and zones corrected to Electric Log Measurement)

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American Western Inc.
 Temple #7-23
 SE 2W-17N-2E (1890 FEEL & 2298 FEEL)
 Section 23-17N-14W
 Barton County, Kansas

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5 W Production Casing Set

Contractor: Duke Drilling Co. (rig #8)
Commenced: August 4, 2014
Completed: August 12, 2014
Elevation: 1929' K.B., 1927' D.F., 1921' G.L.
Casing Program: Production 5 1/2" @ 3499'
 Surface; 5 5/8" @ 845'
Samples: 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 Tester: There were two (2) Drill Stem Tests run by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity Log and Micro-resistivity Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Bottom</u>
Log Total Depth	3123	-1923
Rotary Total Depth	3000	-1871
Archie	2421	-1492
Condensate	3389	-1459
Base Kansas Oliv	3373	-1444
Lansing	3174	-1245
Granular Linn	3153	-1134
Tonop	3102	-1173
Hesper	3039	-1160
Base Anhydrite	2918	-1091
Anhydrite	890	+1009

(All tops and zones corrected to Electric Log Measurement)

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

TOPEKA SECTION

- 3004-3020' Limestone, cream, finely crystalline, poor visible porosity, light brown stain, no free oil and no odor.
- 3032-3050' Limestone, gray, chalky, granular, chalky, black stain, no free oil and no odor.
- 3062-3080' Limestone, cream, finely crystalline, few fossiliferous, dense, trace brown stain, no free oil and no odor.

TORONTO SECTION

- 3102-3111' Limestone, tan, gray, fine to medium crystalline, dense, trace poor stain, plus white chert.

LANSING SECTION

- 3175-3182' Limestone, cream, tan, oolitic, fossiliferous, chalky, poor visible porosity, poor brown stain, no free oil and no odor.
- 3198-3208' Limestone, tan, finely crystalline, oolitic, poor visible porosity, chalky, poor light brown stain, no free oil and no odor.
- 3218-3226' Limestone, gray, tan, finely oolitic, few fossiliferous, poorly developed porosity, black stain, no free oil and no odor, plus white chert.
- 3232-3236' Limestone, as above, trace stain, trace of free oil and questionable odor.
- 3244-3262' Limestone, cream, oolitic, oomoldic, fair porosity, brown stain, show of free oil and faint odor.

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

TOPEKA SECTION

3004-3020	Limestone, cream, finely crystalline, poor visible porosity, light brown stain, no free oil and no odor.
3032-3050	Limestone, gray, chalky, granular, chalky, black stain, no free oil and no odor.
3062-3080	Limestone, cream, finely crystalline, few fossiliferous, dense, trace brown stain, no free oil and no odor.

TORWATO SECTION

3102-3111	Limestone, tan, gray, fine to medium crystalline, dense, trace brown stain, plus white chert.
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LANSING SECTION

3176-3182	Limestone, cream, tan, oolitic, fossiliferous, chalky, poor visible porosity, brown stain, no free oil and no odor.
3198-3208	Limestone, tan, finely crystalline, oolitic, poor visible porosity, chalky, poor light brown stain, no free oil and no odor.
3218-3226	Limestone, gray, tan, finely oolitic, few fossiliferous, poorly developed porosity, black stain, no free oil and no odor, plus white chert.
3232-3238	Limestone, as above, trace stain, trace of free oil and questionable odor.
3244-3252	Limestone, cream, oolitic, oolitic, brown stain, snow of free oil and faint odor.

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Drill Stem Test #1 **3234-3262**

Times: 30-30-45-60

Blow: Fair to good

**Recovery: 390' gas in pipe
95' oil cut mud
(10% oil; 90% mud)
60' very slightly oil cut muddy water
(2% oil; 30% mud; 68% water)**

**Pressures: ISIP 637 psi
FSIP 624 psi
IFP 56-60 psi
FFP 65-87 psi
HSH 1572-1511 psi**

- 3270-3290' Limestone, cream, fossiliferous, chalky, no shows.
- 3304-3310' Limestone, cream, sub-oomoldic, chalky, light brown stain, no free oil and good odor in fresh samples.
- 3323-3330' Limestone, cream; tan, oolitic, chalky, gray/black stain, no free oil and no odor.
- 3334-3349' Limestone, cream, oolitic, oomoldic, poor visible porosity, no shows plus tan chert.
- 3360-3370' Limestone, cream, oolitic, fossiliferous, dense, no shows.

CONGLOMERATE

- 3386-3409' Varied colored chert and limestone; varied colored shale.
- 3409-3420' Chert and limestone, as above, trace brown stain; no free oil and no odor.

ARBUCKLE SECTION

- 3421-3435' Dolomite, cream, finely crystalline, sucrosic, brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #1 2234-2282

Time:	30-30-45-60
Blow:	Fair to good
Recovery:	30% gas in pipe 95% oil cut mud (10% oil; 90% mud) 60% very slightly oil cut muddy water (2% oil; 30% mud; 68% water)
Pressure:	HSH 1572-1574 psi FFP 62-67 psi IFP 26-60 psi FSLP 624 psi ISIP 637 psi

3270-3290'	Limestone, cream, fossiliferous, chalky, no shows.
3304-3310'	Limestone, cream, sub-omolbid, chalky, light brown stain, no free oil and good odor in fresh samples.
3320-3330'	Limestone, cream; tan, colitic, chalky, drab/black stain, no free oil and no color.
3384-3390'	Limestone, cream, colitic, omolbid, poor visible porosity, no shows plus tan chert.
3360-3370'	Limestone, cream, colitic, fossiliferous, dense, no shows.

CONGLOMERATE

3408-3420'	Chert and limestone, as above, trace brown stain; no free oil and no odor.
3424-3425'	Varied colored chert and limestone, varied colored shale.

ARBOKI E SECTION

3421-3425'	Dolomite, cream, finely crystalline, sacrosid, brown stain, show of free oil and faint odor in fresh samples.
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Drill Stem Test #2 **3348-3399**

Times: 30-30-45-45

Blow: Weak

Recovery: 30' oil speckled mud

Pressures:

ISIP	589	psi
FSIP	522	psi
IFP	27-30	psi
FFP	34-36	psi
HSH	1662-1545	psi

- 3435-3450' Dolomite, tan, cream, fine and medium crystalline, sucrosic in part; poor stain, trace of free oil and faint odor in fresh samples.
- 3450-3470' Dolomite, tan, finely crystalline, sucrosic, sandy in part, no shows and no odor.
- 3470-3490' Dolomite, gray, tan, finely crystalline, dense.
- 3490-3500' Dolomite, tan, finely crystalline, poor visible porosity, no shows.

Rotary Total Depth: 3500
Log Total Depth: 3452

Recommendations:

5 ½ production casing was set and cemented on the American Warrior Inc., Tempero #7-23.

Respectfully Submitted,



Wyatt Urban
Petroleum Geologist

Drill Stem Test #3 3348-3339

Time: 30-30-45-45
 Blow: Weak
 Recovery: 30' oil speckled mud
 Pressure: 1819 590 psi
 1819 590 psi
 1819 590 psi
 1819 590 psi
 1819 590 psi
 1819 590 psi

- 3435-3450' Dolomite, tan, cream, fine and medium crystalline, anoxic in part; poor stain, trace of free oil and faint odor in fresh samples.
- 3450-3470' Dolomite, tan, finely crystalline, anoxic, sandy in part, no shows and no odor.
- 3470-3490' Dolomite, gray, tan, finely crystalline, dense.
- 3490-3500' Dolomite, tan, finely crystalline, poor visible porosity, no shows.

Rotary Total Depth: 3500
 Log Total Depth: 3452

Recommendation:

5 W production casing was set and cemented on the American Wellco Inc., Tempe #7-23.

In vicinity submitted.

Wyllie Urban
 Petroleum Geologist