15-009-24920 19-20s-12w KGS

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American Warrior Inc.
Haddon-Fischer #1-19
NW-NE-SW-SE; Section 19-20s-12w
Barton County, Kansas

5 ½" Production Casing Set

Contractor: Petromark Drilling Company (Rig #2)

Commenced: March 28, 2006

Completed: April 3, 2006

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Elevation: 1852' K.B.; 1850' D.F.; 1845' G.L.

Casing Program: Surface; 8 5/8" @ 312'
Production; 5 1/2" @ 3600'

Samples: Samples saved and examined 3000' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 3000' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There was one (1) Drill Stem Test ran by Trilobite Testing Inc.

Electric Log: By Log Tech; Dual Induction Log, Microresistivity Log and Borehole Compensated Sonic Log.

Gas Detector: By Earth Tech.

Formation	Log Depth	Sub-Sea Datum
Anhydrite	654	+1198
Heebner	3065	-1213
Toronto	3080	-1228
Douglas	3098	-1246
Brown Lime	3186	-1334
Lansing	3199	-1347
Base Kansas City	3417	-1565
Conglomerate	3435	-1583
Arbuckle	3502	-1650
Rotary Total Depth	3599	-1747
Log Total Depth	3600	-1748

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

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

TOPEKA SECTION

3008-3016' Limestone; cream, tan, finely crystalline, dense.

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Drill Stem Test #1 **3320-3390'**

Times: **15-30-30-30**

Blow: **Weak, increasing to good**

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Recovery: **15' oil and gas cut mud**
(2% gas, 16% oil, 82% mud)
120' very heavy oil and gas cut watery mud
(22% gas, 24% oil, 20% water, 34% mud)

Pressures:			
	ISIP	**968**	**psi**
	FSIP	**949**	**psi**
	IFP	**17-50**	**psi**
	FFP	**52-68**	**psi**
	HSH	**1644-1605**	**psi**

3400-3414' Limestone; cream, gray, finely crystalline, slightly cherty, no show.

CONGLOMERATE SECTION

3435-3502' Chert; varied colored, boney to opaque few oolitic, scattered traces of limestone, gray, cherty, dense, few scattered brown to black stain, trace of free oil and no odor in fresh samples plus red, blood red and gray soft shale.

ARBUCKLE SECTION

3502-3510' Dolomite; gray, white, finely crystalline, few sucrosic, poorly developed porosity dense, dull yellow fluorescence, no stain, no free oil, and no odor in fresh samples.

3514-3520' Dolomite; as above, trace brown stain, trace of free oil and faint odor in fresh samples.

3520-3530' Dolomite; cream, tan, fine to medium crystalline, fair intercrystalline porosity, spotty stain, show of free oil and faint to fair odor in fresh samples.

3534-3542' Dolomite; as above, poor visible porosity.

3546-3560' Dolomite; cream, tan, and white, finely crystalline, sucrosic in part, scattered intercrystalline and vuggy type porosity, black tarry stain, show of free oil (tarry, black) and faint odor in fresh samples, dull yellow fluorescence.

3570-3590' Dolomite; white, cream, sucrosic, scattered fair pinpoint porosity, brown spotty stain, no show of free oil and fair odor in fresh samples.

3590-3599' Dolomite; as above, no shows.

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3020-3040'	Limestone; tan, finely crystalline, fossiliferous in part, no visible porosity.
3050-3060'	Limestone; tan, gray, finely crystalline, slightly fossiliferous, chalky in part, no visible porosity, no shows.

TORONTO SECTION

3080-3098'	Limestone; gray, cream, finely crystalline, chalky, (dense).

LANSING SECTION

3199-3206'	Limestone; cream, tan, finely crystalline, chalky, poorly developed porosity, trace brown to black spotty stain, no show of free oil or odor in fresh samples, no gas kick.
3223-3228'	Limestone; cream, finely crystalline, chalky, few with scattered pinpoint type porosity, brown spotty stain, no show of free oil and no odor in fresh samples, no gas kick.
3243-3256'	Limestone; cream, tan, finely crystalline, oolitic, scattered poorly developed vuggy type porosity, brown to golden brown stain, slight show of free oil and questionable odor in fresh samples, no gas kick.
3269-3274'	Limestone; white/cream, finely crystalline, chalky, fossiliferous, oolitic, vuggy and intercrystalline type porosity, dull gray and brown stain, show of free oil and fair odor in fresh samples, dull yellow fluorescence, no gas kick.
3282-3300'	Limestone; cream, finely crystalline, oomoldic, fair to good oomoldic and vuggy porosity, few questionable golden brown stain, no show of free oil or odor in fresh samples.
3302-3320'	Limestone; cream, tan, finely crystalline, slightly fossiliferous, dense.
3330-3334'	Limestone; white, oolitic, oomoldic, fair oomoldic to slightly vuggy type porosity, fair brown to golden brown stain and saturation, trace of free oil and faint odor in fresh samples (51 unit gas kick).
3350-3360'	Limestone; cream, tan, white, finely crystalline, dense, few scattered pinpoint to vuggy type porosity, no stain, no free oil, no odor, no gas kick.
3364-3378'	Limestone; white/gray, oolitic, oomoldic, good oomoldic porosity, brown stain, show of free oil (light brown) and faint odor in fresh samples (25 unit gas kick).
3388-3392'	Limestone; white, oolitic, oomoldic, fair intercrystalline to oomoldic type porosity, brown to black to spotty golden brown stain, no show of free oil and faint odor in fresh samples.

Recommendations:
On the basis of the favorable structural position and the positive results of Drill Stem Test, it was recommended by all parties involved to set and cement 5 ½" production casing at 3600' and the following zones be tested in the Haddon-Fischer #1-19:

1. Lansing 'K' zone 3388-3390
2. Lansing 'J' zone 3365-3370
3. Lansing 'H' zone 3350-3354
4. Lansing 'F' zone 3269-3274

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Respectfully submitted;

Josh Austin & James C. Musgrove

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