

KCS

Geological Report

American Warrior Inc.
Anschutz #1-10
2637' FNL & 534' FEL
Sec. 10 T20S R13W
Barton County, Kansas

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Marc Downing
Consulting Petroleum Geologist

American Warrior, Inc.

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10-20-13W

General Data

Well Data: American Warrior Inc.
Anschutz #1-210
S/2-SE-NE
2637' FNL & 534' FEL
Sec. 10 T. 27S R. 13 W.
Barton County, Kansas
API # 15-009-25042-0000

Drilling Contractor: Duke Drilling, Rig #8

Spud Date: April 18, 2007

Completion Date: April 23, 2007

Elevation: 1850' Ground Level
1858' Kelly Bushing

Directions: Great Bend Kansas, South 1 mi., east 1 mi.,
south 1/2 mi., west into.

Casing: 316' 8 5/8" surface casing
3659' 5 1/2" production pipe

Samples: 10' wet and dry, 3030' to RTD

Drilling Time: 2700' to RTD

Electric Logs: Log-Tech – T. Martin
Density Neutron, Dual Induction, Micro

Drillstem Tests: None

Problems: None

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Formation Tops

American Warrior, Inc.	
Anschutz #1-10	
Sec. 10 T20S R13W	
2637' FNL & 534' FEL	
Formation	
Anhydrite	689' (+1169)
Base	711' (+1147)
Topeka	2836' (-978)
Heebner	3080' (-1222)
Toronto	3100' (-1242)
Douglas Sh.	3114' (-1256)
Brown Lm.	3196' (-1338)
Lansing	3209' (-1351)
BKC	3428' (-1570)
RWKD Arbuckle	3453' (-1595)
Arbuckle	3484' (-1626)
RTD	3560'
LTD	3561'

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Sample Zone Descriptions

LKC A-zone 3210 (-1352):

LS: white, fine-very fine crystalline, dense. Few pieces w/ fair inter-fossilin porosity, fair stain. No odor.

LKC B-zone 3234 (-1376):

LS: white, fine crystalline, sucrosic. Fair inter-crystalline porosity. Scattered fair light brown staining. No show free oil. Light odor.

LKC D-zone 3254 (-1396):

LS: white, fossiliferous. Fair-good inter-fossilin porosity w/ good brown stain and saturation. Fair show free oil. Light-fair odor.

LKC E-zone 3276 (-1418):

LS: tan-white, fine crystalline and fossiliferous. Good vugular and inter-fossilin porosity. Good brown stain and saturation w/ good show free oil. Fair-good odor. Green fluorescence. 35 unit gas kick.

LKC G-zone 3299 (-1441):

LS: white, oolitic w/ good oolitic porosity. Few scattered pieces w/ light brown stain. No show free oil. No odor. 19 unit gas kick.

LKC G-zone 3299 (-1441):

LS: white, oolitic w/ good oolitic porosity. 2-3 pieces w/ good stain and saturation w/ good show free oil. No odor.

LKC H-zone 3337 (-1479):

LS: white, fine crystalline, few pieces w/ light brown stain and spotted show free oil. No odor.

LKC I-zone 3355 (-1497):

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LS: white, fossiliferous and oolitic. Good inter-fossilin and slight vugular porosity. Good staining and slight show free oil. Light odor.

LKC J-zone 3368 (-1510):

LS: white-tan, fossiliferous. Scattered good inter-fossilin porosity w/ good black stain. No show free oil. No odor.

LKC J-zone 3368 (-1510):

LS: white, fossiliferous and oolitic. Scattered good inter-fossilin and oolitic porosity. Some chalky rocks. Good stain and saturation w/ slight show free oil. Light-fair odor.

LKC K-zone 3395 (-1537):

LS: white, fossiliferous and oolitic. Scattered good vugular porosity w/ black stain. Very slight show free oil. Very light odor.

Reworked Arbuckle 3453 (-1595):

DOLO: tan-white, fine sucrosic crystalline. Good inter-crystalline porosity, good stain, and some total saturation. Fair-good show free oil. Good odor. Much chert, shale, and white lime stone.

Arbuckle 3484 (-1626):

DOLO: white-tan, fine sucrosic crystalline, turning small rhombohedral crystalline. Slightly tight, few pieces good inter-crystalline porosity. Fair black stain w/ slight spotted show free oil. Fair odor. Some white chert.

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Drill Stem Tests

None

Structural Comparison

	American Warrior, Inc. Anschutz #1-10 2637' FNL & 534' FEL Barton Co., KS 15-009-25042-0000	American Warrior, Inc. Selle #1-10 2600' FSL & 1250' FEL Barton Co., KS 15-009-25021-0000
Formation		
Anhydrite	689' (+1169)	(+1164) 5
Base	711' (+1147)	(+1129) 18
Topeka	2836' (-978)	(-982) +4
Heebner	3080' (-1222)	(-1222) FL
Toronto	3100' (-1242)	(-1242) FL
Douglas Sh.	3114' (-1256)	(-1259) +3
Brown Lm.	3196' (-1338)	(-1340) +2
LKC	3209' (-1351)	(-1352) +1
BKC	3428' (-1570)	(-1566) -4
RWKD Arbuckle	3453' (-1595)	NA
Arbuckle	3484' (-1626)	(-1627) +1

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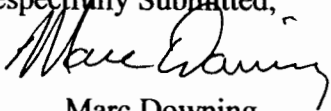
Summary

Due to structural position, sample shows, and log interpretation, it was decided to run 5 ½" production pipe fore further production.

Recommended Perforations

RWKD Arbuckle: 3454-3464 (first)
LKC: E zone: 3277-3282
D zone: 3254-3256
G zone: 3300-3304 (before abandonment)
Perforate Arbuckle first. Set plug if wet.

Respectfully Submitted,



Marc Downing

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