

Geological Report

American Warrior Inc.
Cooper-Gaunt #1-14
330'FSL & 1320'FEL
Sec. 14 T20S R13W
Barton County, Kansas

Marc Downing
Consulting Petroleum Geologist

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American Warrior, Inc.

General Data

Well Data: American Warrior Inc.
Cooper-Gaunt #1-14
S/2 S/2 SE
330' FSL & 1320' FEL
Sec. 14 T. 27S R. 13 W.
Barton County, Kansas
API # 15-009-25043-0000

Drilling Contractor: Duke Drilling Rig #8

Spud Date: April 25, 2007

Completion Date: May 1, 2007

Elevation: 1862' Ground Level
1870' Kelly Bushing

Directions: Great Bend Kansas, South 4 mi., east 1 3/4 mi.,
north into.

Casing: 325' 8 5/8" surface casing
3539' 4 1/2" production pipe

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

Drilling Time: 2700' to RTD

Electric Logs: Log-Tech – J. Loffredi
Density Neutron, Dual Induction, Micro,
Sonic

Drillstem Tests: Four, Trilobite Testing Inc. "Brian Fairbank"

Problems: Plugged bit @ 1566'.
Gas detector malfunction throughout well.

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Formation Tops

	American Warrior, Inc.
	Cooper-Gaunt #1-14
	Sec. 14 T20S R13W
Formation	330' FSL & 1320' FEL
Anhydrite	690' (+1180)
Base	708' (+1162)
Topeka	2842' (-972)
Heebner	3087' (-1217)
Toronto	3113' (-1243)
Douglas Sh.	3124' (-1254)
Brown Lm.	3204' (-1334)
Lansing	3217' (-1347)
BKC	3436' (-1566)
Arbuckle	3470' (-1600)
RTD	3540'
LTD	3540'

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Sample Zone Descriptions

LKC A-zone 3217 (-1347):

LS: White, very fine crystalline, slightly sub-crystalline to chalky in part. Few pieces w/ very light brown stain. Yellow fluorescence. No odor.

LKC B-zone 3240 (-1370):

LS: White-tan, dolomitic. Good-very good inter-crystalline and some vugular porosity. Good brown stain and saturation, light show free oil. Good odor. Light green fluorescence.

LKC D-zone 3264 (-1394):

LS: tan, some fossiliferous. Good good inter-fossilin porosity w/ good stain and saturation. Light-fair show free oil. Good odor. Few pieces fine crystalline LS. Good pin-point porosity w/ good gassy show free oil.

LKC H-zone 3348 (-1478):

LS: tan, oolitic w/ good oolimoldic porosity. 1-2 pieces w/ light brown stain. No show free oil, no odor.

LKC I-zone 3367 (-1497):

LS: white, oolitic, good inter-oolitic porosity. Good stain and saturation w/ fair-good show free oil. Fair-good odor.

LKC J-zone 3382 (-1512):

LS: White, fossiliferous and oolitic. Good stain and saturation w/ fair-good show free oil. Fair-good odor.

LKC K-zone 3402 (-1532):

LS: White, oolitic, good inter-oolitic porosity w/ good stain and slight show free oil few rocks w/ dead stain. Very light odor.

Arbuckle 3470 (-1600):

DOLO: tan-brown. Fine sucrosic crystalline w/ fair-good inter-crystalline porosity. Some rocks slightly tight. Good stain and saturation w/ good-very good show free oil. Strong odor. Free oil on sample cup. Good fluorescence.

Arbuckle 3483 (-1613):

DOLO: tan-white, turning fine-medium rhombohedral crystalline. Slightly tight w/ fair inter-crystalline porosity. Good brown stain and saturation w/ good spotted show free oil when broken. Fair odor. Some white chert.

Drill Stem Tests

Trilobite Testing Inc.
Brian Fairbank

DST #1 LKC – A, B, C, & D zone

Interval: 3211-3277

Times: 30-30-30-30

I.F. – Weak blow. 1”

I.S.I. – dead.

F.F. – weak, died @ 1/2”.

F.S.I. – dead

HP: 1537-1502#

BHT: 98° F

IFP: 15-19#

ISI: 162#

FFP: 14-22#

FSI: 91#

Recovery: 20’ mud

DST #2 LKC – H, I, & J zone

Interval: 3341-3398

Times: 30-30-30-30

I.F. – weak. Built to 4”

I.S.I. – dead

F.F. – weak, died to 1 ½”

F.S.I. – dead

HP: 1659-1599#

IFP: 15-17#

ISI: 52#

FFP: 16-19#

FSI: 35#

Recovery: 45’ GIP

20’ VSOCM 3% O, 97% mud

DST #3 Arbuckle

Interval: 3437-3481

Times: 30-30-5-0

I.F. – ¼” blow. Died 23 min.

I.S.I. – dead

F.F. – dead. Pull tool

IFP: 51-41#

ISI: 141#

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F.S.I. – dead
HP: 1682-1662#
BHT: 103° F

Recovery: 30' GIP
1' oil
14' mud

DST #4

Arbuckle

Interval: 3483-3495

Times: 45-45-60-60

I.F. – steady built to 7 ½"

I.S.I. – dead

F.F. – built to 5"

F.S.I. – dead

IFP: 18-30#

ISI: 847#

FFP: 33-49#

FSI: 738#

Structural Comparison

	American Warrior, Inc. Cooper-Gaunt #1-14 330' FSL & 1320' FEL Barton Co., KS 15-009-25043-0000	Palomino Petroleum Lonnon B #1 470' FNL & 2030' FEL Barton Co., KS 15-009-24985-0000
Formation		
Anhydrite	690' (+1180)	(+1181) -1
Base	708' (+1162)	(+1157) +5
Topeka	2842' (-972)	NA
Heebner	3087' (-1217)	(-1216) -1
Toronto	3113' (-1243)	(-1233) -10
Douglas Sh.	3124' (-1254)	NA
Brown Lm.	3204' (-1334)	(-1332) -2
LKC	3217' (-1347)	(-1346) -1
BKC	3436' (-1566)	(-1562) -4
Arbuckle	3470' (-1600)	(-1626) +26

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Summary

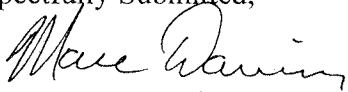
Two DST's were conducted in the LKC, recovering only mud. One DST was run in the upper Arbuckle, which only recovered a small amount of oil. The lower Arbuckle was straddle tested after logging. Due to structural position, DST

recovery, sample shows, and log interpretation, it was decided to run 4 1/2" production pipe for production in the Arbuckle.

Recommended Perforations

Arbuckle: Lower (3486-3494) (first)
 Upper (3470-3473)

Respectfully Submitted,


Marc Downing

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