

Geological Report

American Warrior, Inc.

Lillie #2-30

633' FNL & 2097' FEL

Sec 30, T16s, R10w

Ellsworth County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Lillie #2-30
633' FNL & 2097' FEL
Sec 30, T16s, R10w
Ellsworth County, Kansas
API # 15-053-21331-00-00

Drilling Contractor: Discovery Drilling Rig #2

Geologist: Luke Thompson

Spud Date: August 7, 2015

Completion Date: August 15, 2015

Elevation 1882' G.L.
1890' K.B.

Directions: From the North side of Hollyrood, KS, at the intersection of Hwy 156 and Ave T go 3.8 miles west to County Line Rd on Ave T, go 3 miles North to Rd Q, go 0.5 miles East, go South 0.1 miles on Lease Rd and East into.

Casing: 389' 8 5/8" #23 Surface Casing
3502' 5 1/2" #15.5 Production Casing

Samples: 2600' to RTD 10' Wet & Dry

Drilling Time: 2500' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Full Sweep

Drillstem Tests: Five-Trilobite Testing "Brannan Lonsdale"

Problems: none encountered

Formation Tops

Lillie #2-30

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Sec 30, T16s, R10w

Anhydrite	686' +1204
Base	712' +1178
Howard	2586' -696
Topeka	2624' -734
Lecompton	2762' -872
Plattsmouth	2836' -946
Heebner	2916' -1026
Toronto	2935' -1045
Douglas	2946' -1056
Brown Lime	3018' -1128
Lansing	3038' -1148
Stark	3256' -1366
BKC	3313' -1423
Conglomerate	3340' -1450
Arbuckle	3354' -1464
RTD	3500' -1610
LTD	3501' -1611

Sample Zone Descriptions

Plattsmouth (2872', -982): Covered in DST #1

Limestone, cream, sub-crystalline, slightly oolitic, scattered vuggy porosity, porosity recrystallized, good odor, spotted brown stain, poor to fair saturation, fair to good flush cut. Gas 65 units hotwire.

Toronto (2940', -1050): Covered in DST #2

Limestone, cream, sub-crystalline, no visible porosity, very slight odor, occasional scattered stain, very poor brown stain, very poor saturation, very poor slow string cut. Gas 65 units hotwire.

Lansing (3050', -1160 & 3070', -1180)

(3050') Limestone, cream, sub-crystalline, scattered pinpoint vuggy porosity, strong odor, fair stain and saturation in porosity, good stream cut. Gas 150 units hotwire.

(3070') Limestone, tan, oolitic packstone, poor oolitic porosity, fair oomoldic porosity, strong odor, fair stain, fair saturation, good stream to flush cut. Gas 160 units hotwire.

Lansing (3230', -1340)

Limestone, tan oolitic packstone, fair to good oomoldic porosity, fair to good odor, fair stain, fair saturation, fair stream cut. Gas 120 units hotwire.

Arbuckle (3375', -1485)

Dolomite, tan, fine crystalline, sucrosic, fair inter-crystalline porosity, strong odor, fair stain, poor to fair saturation, fair slow stream cut, show of free oil when broke. Gas 300 units hotwire.

Drill Stem Tests

Trilobite Testing
“Brannan Lonsdale”

DST #1

Plattsmouth

Interval (2850' – 2886') Anchor Length 36'

IHP - 1367 #
IFP - 30" – ¼" blow 38-50 #
ISI - 30" – No Return 652 #
FFP - 30" – WSB 50-57 #
FSIP - 30" – No Return 551 #
FHP - 1320 #
BHT - 102° F

Recovery: 93' M

DST #2

Toronto

Interval (2898' – 2950') Anchor Length 52'

IHP - 1424 #
IFP - 30" – 1" blow 18-25#
ISI - 30" – No Return 596 #
FFP - 30" – ½" blow 26-32 #
FSIP - 30" – No Return 332 #
FHP - 1336 #
BHT - 102 ° F

Recovery: 30' M

DST #3

Lansing A-C

Interval (3022' – 3075') Anchor Length 53'

IHP - 1499 #
IFP - 30" – BOB 10 secs 101-265#
ISI - 45" – BOB 25 min 738 #
FFP - 45" – BOB instantly 281-436 #
FSIP - 60" – BOB 2 min 737 #
FHP - 1415 #
BHT - 107 ° F

Recovery: GTS 25 min (1969' GIP)
1032' MW

DST #4**Lansing H-J**

Interval (3165' – 3240') Anchor Length 75'

IHP - 1571 #

IFP - 30" – BOB 7 min 24-49#

ISI - 45" – No Return 641 #

FFP - 45" – BOB 8 mins 51-86 #

FSIP - 60" – WSB dead 15 min 613 #

FHP - 1536 #

BHT - 105 ° F

Recovery: 407' GIP

156' VSGWOCM (20% Gas, 30% Oil)

DST #5**Arbuckle**

Interval (3326' – 3375') Anchor Length 49'

IHP - 1664 #

IFP - 30" – 1" blow 20-27#

ISI - 30" – No Return 900 #

FFP - 30" – WSB 29-34 #

FSIP - 30" – No Return 733 #

FHP - 1615 #

BHT - 105 ° F

Recovery: 22' GIP

10' CO

30 OCM (15% Oil)

Secondary: Lansing J 3222' – 3226'

Lansing H 3180' – 3187'

Before Abandonment: Lansing G 3133' – 3137'

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.