

Geological Report

American Warrior, Inc.

Branda #1-29

837' FSL & 1516' FWL

Sec 29, T15s, R10w

Ellsworth County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Branda #1-29
837' FSL & 1516' FWL
Sec 29, T15s, R10w
Ellsworth County, Kansas
API # 15-053-21347-00-00

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Luke Thompson

Spud Date: May 18, 2016

Completion Date: May 24, 2016

Elevation 1816' G.L.
1824' K.B.

Directions: From Wilson, KS intersection of Old Hwy 40 & Ave. E – Go 0.5 mile South on Ave. E – 3.5 miles South on 105 Rd. – 4.3 miles South on 1st Rd. / 205th St. / NE 160th Ave. to Ave A. – 2 miles East to 3rd Rd. – ¾ miles to Ave. L. – ½ miles west and North into.

Casing: 400' 8 5/8" 28# Surface Casing
3500' 5 1/2" #15.5 Production Casing

Samples: 2600' to RTD 10' Wet & Dry

Drilling Time: 2550' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Full Sweep

Drillstem Tests: One-Trilobite Testing "Brannan Lonsdale"

Problems: Loggers hit bridge @ 3485'
DST tool slid approx. 2'

Formation Tops

Branda #1-29

837' FSL & 1516' FWL

Sec 29, T15s, R10w

Anhydrite	659' +1165
Base	682' +1142
Topeka	2610' -786
Plattsmouth	2783' -959
Heebner	2868' -1044
Toronto	2887' -1063
Douglas	2898' -1074
Brown Lime	2966' -1142
Lansing	2983' -1159
Stark	3288' -1364
BKC	3247' -1423
Conglomerate	3314' -1490
Arbuckle	3334' -1510
RTD	3500' -1676
LTD	3485' -1661

Sample Zone Descriptions

Arbuckle (3345', -1521): Covered in DST #1

Dolomite, tan, crystalline, sucrosic, slight odor, fair/good inter-crystalline and vuggy porosity, scattered dull gold fluorescence, poor stream cut. Gas 30 units hotwire.

Drill Stem Tests
 Trilobite Testing
 “Brannan Lonsdale”

DST #1 Arbuckle (straddle test)

Interval (3337' – 3347') Anchor Length 10', tail pipe 151'

- IHP - 1660 #
- IFP - 30" – BOB 4 min 89-289 #
- ISI - 45" – wsb dead in 3 min 1208 #
- FFP - 45" – BOB 3 min 308-611 #
- FSIP - 60" – No Return 1176 #
- FHP - 1645 #
- BHT - 103° F

Recovery: 159' WMCO 60% O
 1395' SWCO 95% O



