

Geological Report

American Warrior, Inc.

O'Brate-FLB #1-29

1626' FNL & 1890' FWL

Sec 29, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
O'Brate-FLB #1-29
1626' FNL & 1890' FWL
Sec. 29, T25s, R31w
Finney County, Kansas
API # 15-055-22435-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: September 21, 2016

Completion Date: October 2, 2016

Elevation 2848' G.L.
2837' K.B.

Directions: From the intersection of Highway 50 and Main St. in Pierceville, KS, go 3.8 miles south to Parallel Rd, go West 3 miles to trail, now go North 1.5 miles to white gate, go through gate and West 0.7 miles, go North 1000' to location.

Casing: 1634' 8 5/8" #23 Surface Casing
5024' 5 1/2" #15.5 Production Casing

Samples: 3900' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "J. Long"
Full Sweep

Drillstem Tests: One-Trilobite Testing "Mike Roberts"

Problems: Pulled tight on all trips

Formation Tops

O'Brate-FLB #1-29

Sec. 29, T25s, R31w

1626' FNL & 1890' FWL

Anhydrite	1852' +996
Base	1921' +927
Heebner	3932' -1084
Lansing	3978' -1130
Stark	4360' -1512
Bkc	4482' -1634
Marmaton	4504' -1656
Pawnee	4582' -1734
Fort Scott	4609' -1761
Cherokee	4622' -1774
Morrow	4774' -1926
Miss	4794' -1946
RTD	5050' -2202
LTD	5048' -2200

Sample Zone Descriptions

Pawnee (4590', -1742): **Covered in DST #1**

Limestone, cream, sub-crystalline, chalky, oolitic packstone, poor, oolitic porosity, strong odor, slight show of free oil when broke. Gas 45 units hotwire.

St. Gen (4800', -1952): **Not Covered in DST**

Limestone, cream, fine oolitic packstone, fair odor, poor-fair oolitic porosity, fair show of free oil in porosity, slow stream cut. Gas 90 units hotwire.

Drill Stem Tests

Trilobite Testing

"Mike Roberts"

DST #1

Pawnee

Interval (4574' – 4605') Anchor Length 31'

IHP - 2271 #

IFP - 30" – BOB in 28 min

22-58 #

ISI - 45" – No return

1176 #

FFP - 45" – Built to 8"

72-106 #

FSIP - 60" – No return

1167 #

FHP - 2260 #

BHT - 120° F

Recovery: 248' GIP

62' GCOM

3% O

124' GCOM

5% O

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.