

Geological Report

American Warrior, Inc.

Whipple E #1-9

1018' FSL & 1899' FWL

Sec 9, T18s, R26w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Whipple E #1-9
1018' FSL & 1899' FWL
Sec. 9, T18s, R26w
Ness County, Kansas
API # 15-135-25826-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: November 5, 2014

Completion Date: November 23, 2014

Elevation 2632' G.L.
2643' K.B.

Directions: From Ness City, KS go west on Highway 96 15 miles to Beeler, KS. West side of Beeler, turn North on Road C. Go 3.2 miles to gate with white panels and cattle guard. West into pasture.

Casing: 230' #28 Surface Casing

Samples: 3900' to RTD 10' Wet & Dry

Drilling Time: 3850' to RTD

Electric Logs: Pioneer Energy Services "D. Fischer"
Stacked Micro

Drillstem Tests: Two-Trilobite Testing "James Geier"

Problems: Fire on rig, burned up draw works (11/13/14), replaced draw works.
Loggers encountered bridge at 1560', reconditioned hole.

Formation Tops
Whipple E #1-9
Sec. 9, T18s, R26w
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Anhydrite	2008' +635
Base	2038' +605
Heebner	3941' -1298
Lansing	3981' -1338
Stark	4235' -1592
Bkc	4310' -1667
Marmaton	4319' -1676
Pawnee	4440' -1797
Fort Scott	4497' -1854
Cherokee	4521' -1878
Miss	4594' -1951
RTD	4760' -2117
LTD	4762' -2119

Sample Zone Descriptions

Marmaton (4434', -1791): Covered in DST #1

Limestone, cream, fine crystalline, occasionally fossiliferous, occasionally dolomitic fine crystalline, very slight show free oil, green fluorescence, slow stringy cut, poor inter-crystalline porosity, gas 19 units hotwire.

Mississippian (4611', -1968): Covered in DST #2

Dolomite, brown, sucrosic, fine crystalline, good inter-crystalline porosity, very strong/pungent odor, fair/good stain, fair saturation, bright green fluorescence, good cut, fair/good show of free oil, gas 139 units hotwire.

Drill Stem Tests
 Trilobite Testing
 "James Geier"

DST #1

Marmaton

Interval (4324' - 4434') Anchor Length 110'

IHP	- 2186 #	
IFP	- 30" – WSB 1/4"	32-39 #
ISI	- 30" – No Return	39-63 #
FFP	- 10" – No Blow	41-42 #
FSIP	- Pull Tool	
FHP	- 2033 #	
BHT	- 115° F	

Recovery: 2' Mud

DST #2

Mississippian

Interval (4549' - 4611') Anchor Length 62'

IHP	- 2273 #	
IFP	- 45" – BOB in 28 min	30-181 #
ISI	- 45" – WSB in 20 min	181-1079 #
FFP	- 45" – BOB in 19 min	189-251 #
FSIP	- 45" – 1" in 4 ¼ min	251-1072#
FHP	- 2135 #	
BHT	- 124° F	

<u>Recovery:</u>	204'	GIP		
	124'	WGOCM	20% O	API: 38
	124'	WGMCO	45% O	
	252'	WGMCO	49% O	
	63'	MGCO	76% O	
	48'	MCGO	89% O	

