

Geological Report

American Warrior, Inc.

Dowdy Owen #4-36

1859' FSL & 1942' FWL

Sec. 36, T32s, R35w

Stevens County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Dowdy Owen #4-36
1859' FSL & 1942' FWL
Sec. 36, T32s, R35w
Stevens County, Kansas
API # 15-189-22841-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: May 14, 2016

Completion Date: May 23, 2016

Elevation 2927' G.L.
2939' K.B.

Directions: From Hugoton, KS, Go East on Hwy 51 14 Miles
to Rd 27/B. Go North on Rd A 3 miles. East into.

Casing: 1745' 8 5/8" #24 Surface Casing
6334' 5 1/2" #17 Production Casing

Samples: 5500' to RTD Kelly Down Wet

Drilling Time: None

Electric Logs: Pioneer Energy Services "T. Martin"
Stacked-Micro

Drillstem Tests: None

Problems: Rig Stuck @ 5600'

Formation Tops

Dowdy Owen #4-36

Sec. 36, T32s, R35w

1859' FSL & 1942' FWL

Heebner	4209' -1270
Lansing	4276' -1337
Bkc	4974' -2035
Marmaton	5009' -2070
Cherokee	5216' -2277
Morrow	5618' -2679
Chester	5933' -2994
St. Gen	6163' -3224
RTD	6350' -3411
LTD	6325' -3386

Sample Zone Descriptions

Chester Sand (6115', -3176): No DST

Ss. Off white/clear. Medium grain. Well to fair cementation. Well rounded. Well sorted. Poor to fair stain "shiny". Poor saturation. Poor odor.

Structural Comparison

	American Warrior, Inc. Dowdy Owen #4-36 Sec. 36, T32s, R35w 1859' FSL & 1942' FWL		Mobil Oil Corp Glen Marcellus B #1 Sec. 36, T32s, R35w 3300' FSL & 660' FEL		American Warrior, Inc. Glen Marcellus B #3-36 Sec 36, T32s, R35w 1000' FNL & 340' FEL
Formation					
Heebner	4209' -1270	-16	4204' -1254	-29	4184' -1241
Lansing	4276' -1337	-21	4266' -1316	-40	4240' -1297
BKC	4974' -2035	+21	5006' -2056	-24	4954' -2011
Marmaton	5009' -2070	+2	5022' -2072	-27	4986' -2043
Cherokee	5216' -2277	-29	5198' -2248	-52	5168' -2225
Morrow	5618' -2679	-1	5628' -2678	-21	5601' -2658
Chester	5933' -2994	+15	5959' -3009	-22	5915' -2972
St. Gen	6163' -3224	-6	6168' -3218	-41	6126' -3183

Summary

The location for the Dowdy Owen #4-36 well was found via 3-D seismic survey. The new well ran structurally as expected. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Dowdy Owen #4-36 well.

Perforations

Primary:

Chester

(6127' - 6135')

FRAC

Before Abandonment:

Chester

(6116' - 6118')

Tight

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

