

# **Geological Report**

American Warrior, Inc.

**Glen Marcellus B #5-36**

1250' FNL & 800' FEL

Sec. 36, T32s, R35w

Stevens County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Glen Marcellus B #5-36  
1250' FNL & 800' FEL  
Sec. 36, T32s, R35w  
Stevens County, Kansas  
API # 15-189-22842-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: May 4, 2016

Completion Date: May 13, 2016

Elevation 2932' G.L.  
2944' K.B.

Directions: From Hugoton, KS, Go East on Hwy 51 15.5 Miles  
to Rd A. Go North on Rd A 4 miles. West into.

Casing: 1744' 8 5/8" #24 Surface Casing  
6341' 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 @ 3700'

**Formation Tops**  
**Glen Marcellus B #5-36**  
**Sec. 36, T32s, R35w**  
**1250' FNL & 800' FEL**

<b>Heebner</b>	<b>4188' -1244</b>
<b>Lansing</b>	<b>4251' -1307</b>
<b>Bkc</b>	<b>4980' -2036</b>
<b>Marmaton</b>	<b>4995' -2051</b>
<b>Cherokee</b>	<b>5205' -2261</b>
<b>Morrow</b>	<b>5608' -2664</b>
<b>Chester</b>	<b>5926' -2982</b>
<b>St. Gen</b>	<b>6176' -3232</b>
<b>RTD</b>	<b>6350' -3406</b>
<b>LTD</b>	<b>6352' -3408</b>

**Sample Zone Descriptions**

**Chester Sand (6113', -3169): No DST**

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

## Structural Comparison

	American Warrior, Inc. Glen Marcellus B #5-36 Sec. 36, T32s, R35w 1250' FNL & 800' FEL		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
<b>Formation</b>					
Heebner	4188' -1244	+10	4204' -1254	-3	4184' -1241
Lansing	4251' -1307	+9	4266' -1316	-10	4240' -1297
BKC	4980' -2036	+20	5006' -2056	-25	4954' -2011
Marmaton	4995' -2051	+21	5022' -2072	-8	4986' -2043
Cherokee	5205' -2261	-13	5198' -2248	-36	5168' -2225
Morrow	5608' -2664	+14	5628' -2678	-8	5601' -2658
Chester	5926' -2982	+27	5959' -3009	-10	5915' -2972
St. Gen	6176' -3232	-14	6168' -3218	-49	6126' -3183

### Summary

The location for the Glen Marcellus B #5-36 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 Glen Marcellus B #5-36 well.

### Perforations

**Primary:**

**Chester**

**(6113' - 6123')**

**FRAC**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

