

15-007-22955

11-32s-15w

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KANSAS CORPORATION COMMISSION

MAR 07 2006

CONSERVATION DIVISION  
WICHITA, KS

**Steven P. Murphy, PG**  
**American Warrior, Inc.**  
**P.O. Box 399**  
**Garden City, KS 67846**

CONFIDENTIAL  
MAR 07 2006  
KCC

## **GEOLOGICAL REPORT**

### **AMERICAN WARRIOR, INC.**

**Alexander #3-11**  
**1950 FSL - 2470 FEL**  
**(30' S & 160' E of C W/2 NW SE)**  
**Section 11-T32S-R15W**  
**Barber County, Kansas**

OPERATOR: AMERICAN WARRIOR, INC.

WELL: ALEXANDER #3-11

API NUMBER: 15-007-22955-00-00

LOCATION: 1950' FSL & 2470' FEL  
11-T32S-R15W  
BARBER COUNTY, KANSAS

WELLSITE: PASTURE

COMMENCED: DECEMBER 3, 2005

COMPLETED: DECEMBER 13, 2005

ELEVATIONS: 2015' G.L. 2028' K.B.

TOTAL DEPTH: 5040' (DRILLER) 5041' (LOG)

CASING: SURFACE: 8 5/8" @ 265'  
PRODUCTION: 4 1/2" @ 5035' W/250 SX

SAMPLES: 10' FROM 4000 TO TD

DRILL STEM TESTS: ONE (1) BY TRILOBITE TESTING, INC.

LOGS COMPENSATED NEUTRON DENSITY,  
MICROLOG, SONIC & DUAL  
INDUCTION  
BY LOG-TECH

DRILLING CONTRACTOR: DUKE DRILLING (RIG 7)

REMARKS: GEOLOGICAL SUPERVISION FROM  
4100' TO T.D.

<b>FORMATION TOPS</b>	<b>LOG</b>	<b>SAMPLE</b>	<b>Nearest Comparison Well Aylward Drilling Co. Skinner #1 "X"</b>
Heebner	4098 (-2070)	4098 (-2070)	-2080
Douglas Sand	4171 (-2143)	4169 (-2141)	Not called
Stalnaker Sand	4251 (-2223)	4248 (-2220)	Not called
Lansing	4262 (-2234)	4262 (-2234)	-2246
BKC	4708 (-2680)	4708 (-2680)	-2689
Mississippian	Absent	Absent	-2756
Chouteau	4872 (-2844)	4872 (-2844)	Not called
Kinderhook Shale	4898 (-2870)	4898 (-2870)	-2887
Viola	4931 (-2903)	4932 (-2904)	-2938

### DEVIATION SURVEYS

<b>Depth</b>	<b>Deviation (in degrees)</b>
267	1/2
1268	1/2
2011	1/2
2788	1/2
3499	1-3/4
4210	3/4
5040	3/4

## **SAMPLE DESCRIPTIONS**

### **Log Measurements**

#### **KANSAS CITY**

**4577-4584:** Limestone, white to cream, oolitic, good oolitic/vugular porosity, slight show of free oil & gas bubbles on break, bright yellow fluorescence, good cut, good odor (43 units hotwire). **Perforate 4578-4582 with 4 shots/foot.**

#### **VIOLA**

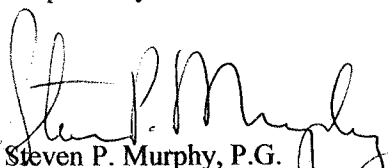
DST #1, along with sample & log analysis, condemned the Viola for commercial oil and/or gas production. 4-1/2' casing was set to attempt to dispose of saltwater in this formation. **For a SWD completion, perforate 4972-4982 with 4 shots/foot and stimulate with acid.**

### **SUMMARY AND RECOMMENDATIONS**

Structurally, the Alexander #3-11 ran 10 feet high in the Pennsylvanian, and 35 feet high at the top of the Viola, compared to the nearest producing well, Aylward Drilling Co.'s #1 Skinner "X" to the south, which produced gas from the Viola.

Based on the results of sample & log analysis, it was decided that 4-1/2 inch casing be set in order to dispose of produced saltwater in the lower Viola. However, prior to that, it is recommended that the Kansas City be perforated from **4578-4582** w/4 shots per foot. If commercial oil production cannot be developed after stimulation, the lower Viola should be completed as a SWD, with perforations from **4972-4982 with 4 shots/foot.**

Respectfully submitted,



Steven P. Murphy, P.G.  
Kansas Licensed Geologist (#228)