# **SCOTT CORSAIR**

## **PETROLEUM GEOLOGIST #55**

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### **GEOLOGICAL REPORT**

### AMERICAN WARRIOR, INC.

Schwartz-Jordan #2 2400' FSL & 700' FEL Section 33-19S-21W Ness County, KS API# 15-135-24565

RECEIVED KANSAS CORPORATION COMMISSION

MAY 2 1 2007

CONSERVATION DIVISION WICHITA, KS

**OPERATOR:** 

AMERICAN WARRIOR, INC.

WELL:

**SCHWARTZ-JORDAN #2** 

API NO.:

15-135-24565

LOCATION:

2400' FSL & 700' FEL, 33-19S-21W, NESS

COUNTY, KANSAS

**WELLSITE:** 

**FARMGROUND** 

**COMMENCED:** 

**NOVEMBER 17, 2006** 

COMPLETED:

**NOVEMBER 24, 2006** 

**ELEVATIONS:** 

2281' GL; 2287' KB

TOTAL DEPTH:

4432' (DRILLER); 4435' (LOG)

**CASING:** 

SURFACE: 8 5/8 @ 211' W/ 160 SKS.

PRODUCTION: 5 1/2 @ 4434' W/ 150 SKS.

PORT COLLAR @ 1570'

**SAMPLES:** 

10 FT. FROM 3600' TO T.D.

LOGS:

DUAL INDUCTION, DUAL COMPENSATED

POROSITY (LOG-TECH)

**DRILLSTEM TESTS:** 

ONE (1) BY TRILOBITE

CONTRACTOR:

PETROMARK (RIG #1)

REMARKS: Geological supervision: 3600' - T.D.

FORMATION TOPS	E	ELECTRICAL LOG		SAMPLES	
		SUBSEA		SUBSEA	
Anhydrite	1508	+779	1508	+779	
Chase	2415	-128			
Heebner	3794	-1507	3794	-1507	
Lansing	3840	-1553	3837	-1550	
Base KC	4162	-1875	4156	-1869	
Pawnee	4289	-2002	4284	-1997	
Ft. Scott	4330	-2045	4328	-2041	
Cherokee	4349	-2062	4346	-2059	
Mississippian	4416	-2129	4416	-2129	
Total Depth	4435	-2148	4432	-2145	

### SAMPLE ZONE DESCRIPTION

Logger's Measurements

#### LANSING-KANSAS CITY 3840 -1553

There were no shows of oil/gas observed in the porous zones during the drilling of the Lansing-Kansas City section.

#### FT. SCOTT 4330 -2045

There were no shows of oil/gas observed in the porous zones during the drilling of the Ft. Scott section.

#### **CHEROKEE 4349 -2062**

There were no shows of oil/gas observed in the porous zones during the drilling of the Cherokee section.

#### MISSISSIPPIAN 4416 -2129

**<u>Dolomite:</u>** tan, sucrosic, good show of free oil, excellent fluorescence and excellent cut, excellent odor. 50 unit gas kick.

<u>Chert:</u> white & clear, weathered, druzy quartz, tripolitic, good porosity, good show of free oil, excellent fluorescence and cut, excellent odor; 50 unit gas kick.

<u>Drill Stem Test No. 1:</u> 4425-4435 /20-30-20-30/ Initial flow: Bottom of bucket in 13 minutes; Initial shut in: .75" blow throughout; Final Flow: Bottom of Bucket in 11 minutes; Final Shut in: 3" blow.

Recovered: 150' of gas & 310' of total fluid 100' of clean gassy oil: 30% gas, 70% oil

90' of gassy watery mud cut oil: 5% gas, 70% oil, 10% water & 15% mud

120' of slightly gassy oil cut muddy water: 10% gas, 10% oil, 65% water & 15% mud

Chlorides: 18,000 ppm

IHP 2173 IFP 109-183 ISIP 1332 FFP 189-224 FSIP 1302 FHP 2063 BHT 120 F

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FORMATION	American Warrior	American Warrior	National Oil
	Schwartz-Jordan #2	Schwartz-Jordan #1	#1 Ely
	2400' FSL & 700'	2150' FNL & 750'	N/2 SE NE 33-19S-
	FEL; 33-19S-21W	FEL; 33-19S-21W	21W Ness County,
	Ness County, KS	Ness County, KS	KS
Anhydrite	+779	+781	+785
Heebner	-1507	-1501	-1513
Lansing	-1553	-1547	-1558
Ft. Scott	-2045	-2039	-2056
Mississippian	-2129	-2124	-2148

## **SUMMARY AND RECOMMENDATIONS**

Structural position, drill stem test results, electrical log analysis, gas detector results and sample examination indicate probable commercial production from the Mississippian formation, 5 ½" casing was set 1 foot off bottom @ 4434'. The following zones are recommended for testing:

1. Mississippian: 4416-4434'

Measurements were taken from rotary kelly bushing ( 6 feet above ground level). Log measurements are taken as correct.

Respectfully,

Scott Corsair

Petroleum Geologist #55



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