# ORIGINAL

### **SCOTT CORSAIR**

#### PETROLEUM GEOLOGIST # 55

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#### **GEOLOGICAL REPORT**

AMERICAN WARRIOR, INC.

PRICE #11
750' FNL & 2400 FEL
Section 34-18S-21W
Ness County, Kansas
15-135-24091-00-00

OPERATOR:

AMERICAN WARRIOR, INC.

ORIGINAL

WELL:

PRICE #11

API NO.:

15-135-24091

LOCATION:

750' FNL & 2400' FEL, SEC. 34-18S-21W

WELLSITE:

**FARMGROUND** 

COMMENCED:

**DECEMBER 10, 1999** 

COMPLETED:

**DECEMBER 17, 1999** 

**ELEVATIONS:** 

2176' GL; 2184' KB

TOTAL DEPTH:

4227' (DRILLER); 4228 (LOGGER)

CASING:

SURFACE: 8 5/8 @ 222' W/150 SKS

PRODUCTION: 5 1/2 @ 4226' W/110 SKS

PORT COLLAR @ 1385'

SAMPLES:

10 FT. FROM 3600' TO T.D.

LOGS:

DUAL INDUCTION, DUAL COMPENSATED

POROSITY, BY LOG-TECH

CONTRACTOR:

DISCOVERY DRILLING (RIG 1)

REMARKS: Geological supervision: 2200' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1387	+ 797		
Chase	2253	- 69		
Topeka	3313	-1129		
Heebner	3625	-1441	3622	-1438
Lansing	3668	-1484	3667	-1483
Base Kansas City	3973	-1789	3980	-1796
Marmaton	3994	-1810		
Pawnee	4066	-1882	4065	-1881
Ft. Scott	4136	-1952	4134	-1950
Cherokee Shale	4151	-1967	4150	-1966
Mississippian Osage	4224	-2040	4223	-2039
Total Depth	4228	-2044	4227	-2043

## ORIGINAL

#### SAMPLE ZONE DESCRIPTION

Logger's Measurements

#### LANSING-KANSAS CITY 3668 -1484

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

#### FT. SCOTT 4136 -1952

<u>Limestone:</u> gray & tan, fossiliferous, poor porosity, fair show of free oil, good fluorescence and excellent cut fluorescence.

#### **CHEROKEE 4151 -1967**

**4166-4170**, <u>Sandstone</u>: shally cluster, clear to frosted, well sorted, fine grained, very slight show of free oil, fair fluorescence and good cut when cluster broke. Looks shally on log.

4192-4199, <u>Sandstone</u>: clear to frosted, poorly sorted, sub-rounded, loose grains, no clusters and no visible show. Log calculates as probable oil bearing.

#### MISSISSIPPIAN OSAGE 4224 -2040

<u>Chert:</u> white, weathered tripolitic, excellent vuggy porosity, excellent show of free oil, trace of <u>Dolomite</u>, brown, sucrosic, excellent porosity, good show of free oil, excellent fluorescence and cut, good odor.

FORMATION	AMERICAN WARRIOR, INC. Price #11 750' FNL & 2400' FWL, 34-18S-21W	AMERICAN WARRIOR, INC. Price #8 C S/2 N/2 NE 34-18S-21W	AMERICAN WARRIOR, INC. Price #7 C S/2 NE 34-18S-21W
Anhydrite	+797	+800	+800
Lansing	-1484	-1484	-1483
Cherokee	-1967	-1962	-1962
Mississippian Osage	-2040	-2040	-2043



#### **SUMMARY AND RECOMMENDATIONS**

Structural position and Electrical log analysis indicate possible commercial production from the Mississippian Osage and Cherokee. Based upon available data 5 1/2" production casing was set.

Pipe was set 1 foot off bottom @ 4227'. The following zones are recommended for testing.

1. Mississippian Osage: 4227-4228

2. Cherokee Sand: 4194-4198

3. Ft. Scott: 4140-4144

Measurements were taken from rotary kelly bushing (8 feet above ground level). Logger's measurements are taken as correct.

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Scott Corsair

Petroleum Geologist