

SCOTT CORSAIR

PETROLEUM GEOLOGIST #55

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GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

Denise #3-33
1723' FSL & 2259' FWL
Section 33-17S-21W
Ness County, KS
API # 15-135-25936

OPERATOR: AMERICAN WARRIOR, INC.
WELL: DENISE #3-33
API NO.: 15-135-25936
LOCATION: 1723' FSL & 2259' FWL, 33-17S-21W, NESS COUNTY, KANSAS
WELLSITE: FARMGROUND
COMMENCED: FEBRUARY 6, 2017
COMPLETED: FEBRUARY 13, 2017
ELEVATIONS: 2144' GL ; 2252' KB
TOTAL DEPTH: 4200' (DRILLER); 4202' (LOG)
CASING: SURFACE: 8 5/8 @ 221' W/ 150 SKS.
PRODUCTION: 5 1/2 @ 4201' W/ 175SKS.
PORT COLLAR @ 1390'
SAMPLES: 10 FT. FROM 3550' TO T.D.
LOGS: DUAL INDUCTION & DUAL COMPENSATED POROSITY (LOG-TECH)
DRILLSTEM TESTS: ONE (1) BY TRILOBITE
CONTRACTOR: DISCOVERY RIG #3
REMARKS: Geological supervision: 3550' - T.D.

| FORMATION TOPS | E-LOG SUBSEA | | SAMPLES SUBSEA | |
|---------------------------|-------------------------|-------|---------------------------|-------|
| Anhydrite | 1428 | +724 | 1422 | +730 |
| Heebner | 3592 | -1440 | 3592 | -1440 |
| Lansing | 3636 | -1484 | 3636 | -1484 |
| Base KC | 3950 | -1798 | 3950 | -1798 |
| Pawnee | 4022 | -1870 | 4023 | -1871 |
| Ft. Scott | 4098 | -1946 | 4096 | -1944 |
| Cherokee | 4115 | -1968 | 4114 | -1962 |
| Mississippian | 4190 | -2038 | 4185 | -2033 |
| Total Depth | 4202 | -2050 | 4200 | -2048 |

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3636 -1484

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

FT. SCOTT 4098 -1946

Limestone: white and tan, crystalline, fossiliferous, fair intercrystalline porosity, fair show of free oil, good fluorescence, excellent cut fluorescence, fair odor.

Drill Stem Test No. 1: 4080-4135 /30-30-30-60/ Initial flow: blow built to BOB in 17 minutes; Initial shut in: no blow; Final flow: blow built to BOB in 6.5 minutes; Final shut in: no blow.

Recovered: 577' of gas in pipe & 50' of mud cut gassy oil, 20% mud, 30% gas & 50% oil.

IHP 2037
IFP 25-40
ISIP 1167
FFP 40-60
FSIP 1185
FHP 2009

CHEROKEE 4115 -1968

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

MISSISSIPPIAN 4190 -2038

Dolomite: tan, sucrosic, good show of free oil, fair fluorescence, excellent cut fluorescence, fair to good odor. **Chert:** white – tan, white, tan, crystalline, some weathered, tripolitic, good show of free oil, good fluorescence, excellent cut fluorescence, Good odor.

| FORMATION | American Warrior Denise #3-33 1723' FSL & 2259' FWL; 33-17S-21W Ness County, KS | American Warrior Denise #1-33 1850' FSL & 2240' FWL; 33-17S-21W Ness County, KS | Ensign Operating Casey #1-33 2310' FSL & 1650' FWL, 33-17S-21W Ness County, KS |
|------------------|--|--|---|
| Anhydrite | +724 | +729 | +729 |
| Heebner | -1440 | -1440 | -1438 |
| Lansing | -1484 | -1484 | -1482 |
| Ft. Scott | -1946 | -1946 | -1947 |
| Mississippian | -2028 | -2041 | Not called |

SUMMARY AND RECOMMENDATIONS

Structural position, sample examination and Electrical log analysis indicate this test will be a commercial producer. 5 ½" casing was set @ 4201', 1' off LTD. Based upon sample and log analysis of the Mississippian and Drill Stem Test Results of the Ft. Scott, both zones should be productive:

1. Mississippian: 4190-4201'
2. Ft. Scott: 4101-4104'

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

Respectfully Submitted,

Scott Corsair
Petroleum Geologist #55

