

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

**GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

**Banta #1-11  
550' FNL & 630' FEL  
Section 11-T31S-R8W  
Harper County, Kansas**

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|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| OPERATOR:            | AMERICAN WARRIOR, INC.                                       |
| WELL:                | BANTA #1-11                                                  |
| API NUMBER:          | 15-077-21505                                                 |
| LOCATION:            | 50' FNL & 630' FEL, 11-T31S-R8W,<br>HARPER CO                |
| WELLSITE:            | WHEAT                                                        |
| COMMENCED:           | JANUARY 20, 2005                                             |
| COMPLETED:           | JANUARY 28, 2005                                             |
| ELEVATIONS:          | 1647' G.L.    1654' K.B.                                     |
| TOTAL DEPTH:         | 4850' (DRILLER)    4853' (LOG)                               |
| CASING:              | SURFACE: 8 5/8" @ 255' W/215 SACKS<br>PRODUCTION: NONE – D&A |
| SAMPLES:             | 20' FROM 1500' TO 2800'<br>10' FROM 2800' TO T.D.            |
| DRILL STEM TESTS:    | TWO (2) BY TRILOBITE TESTING                                 |
| DRILLING CONTRACTOR: | DUKE DRILLING (RIG 2)                                        |
| REMARKS:             | GEOLOGICAL SUPERVISION FROM<br>1500' TO T.D.                 |

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| <b>FORMATION<br/>TOPS</b> | <b>LOG</b>       | <b>SAMPLE</b> | <b>Nearest Comparison Well<br/>Bison Energy Corp.<br/>1A-2 Fryar OWWO<br/>C SW SE, 2-T31S-R8W</b> |
|---------------------------|------------------|---------------|---------------------------------------------------------------------------------------------------|
| Topeka                    | 2958 (-1304)     | 2958 (-1304)  | Not Logged                                                                                        |
| Heebner                   | 3404 (-1750)     | 3404 (-1750)  | 3412 (-1751)                                                                                      |
| Lansing                   | 3677 (-2023)     | 3676 (-2022)  | 3651 (-1990)                                                                                      |
| Kansas City               | 3904 (-2250)     | 3899 (-2245)  | 3894 (-2233)                                                                                      |
| Stark                     | 4057 (-2403) 10' | 4054 (-2400)  | 4054 (-2393)                                                                                      |
| BKC                       | 4160 (-2506)     | 4158 (-2504)  | 4157 (-2496)                                                                                      |
| Cherokee                  | 4299 (-2645)     | 4297 (-2643)  | 4297 (-2636)                                                                                      |
| Mississippian             | 4415 (-2761)     | 4413 (-2759)  | 4411 (-2750)                                                                                      |
| Kinderhook                | 4671 (-3017)     | 4664 (-3010)  | Not reached                                                                                       |
| Simpson Sand              | 4780 (-3126)     | 4780 (-3126)  | Not reached                                                                                       |
| Total Depth               | 4853 (-3199)     | 4850 (-3196)  | Not reached                                                                                       |

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## SAMPLE DESCRIPTIONS

### Log Measurements

#### MISSISSIPPIAN

**4415-4426:** Chert, white to tan, weathered, tripolitic, fair pinpoint porosity, slight show of free oil & gas and fair odor in wet samples, fair staining in dry samples.

**DST #1:** 4415-4426 (30-45-60-60). IF: Strong blow, bottom of bucket in 10 seconds; ISI: bled down for 10 minutes, no blow back; FF: Strong blow, bottom of bucket in 10 seconds, GTS in 5 minutes TSTM; FSI: Bled down for 10 minutes, no blow back.

Recovered: 4,357' GIP, 40' of slightly oil and gas cut watery mud (10 % gas, 4 % oil, 10% water, 76% mud) - (75,000 ppm chlorides - 4,500 ppm system).

IHP: 2216

IFP: 13-20

ISIP: 1238

FFP: 17-31

FSIP: 1195

FHP: 2170

BHT: 121

**4426-4430:** Chert, white to brown, tripolitic, good pinpoint-vugular porosity, good show of free oil & gas and good odor in wet samples, fair to good staining in dry samples.

**DST #2:** 4417-4430 (30-45-60-60). IF: Fair blow, bottom of bucket in 70 seconds; ISI: bled down for 5 minutes, no blow back; FF: Strong blow, bottom of bucket in 10 seconds; FSI: bled down for 10 minutes, no blow back.

Recovered: 4277' GIP, 120' of gassy oil and mud cut water (10% gas, 8 % oil, 60% water, 22% mud) - (75,000 ppm chlorides - 5,000 ppm system).

IHP: 2159

IFP: 15-36

ISIP: 1238

FFP: 17-31

FSIP: 1195

FHP: 2170

BHT: 121

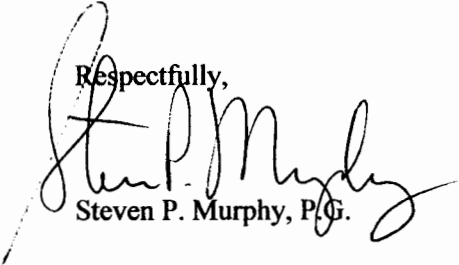
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## SUMMARY AND RECOMMENDATIONS

Structurally, the Banta 1-11 ran 11 feet low to the nearest producing well at the Mississippian horizon. Drill stem testing of the Mississippi Osage chert indicated marginal oil and gas potential, with a net pay of only ten feet. Significant water production would be expected based on the results of the drill stem tests and log analysis.

It was therefore recommended that the Banta 1-11 be plugged and abandoned.

Respectfully,

  
Steven P. Murphy, P.G.

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