

15-033-21447-0060

Steven P. Murphy, PG
American Warrior, Inc.
P.O. Box 399
Garden City, KS 67846
NE SENWSW
1700 FSL 1040 FWL

31-33-19W

GEOLOGICAL REPORT

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AMERICAN WARRIOR, INC.

Girk Trust #10
1700' FSL & 1040' FWL
Section 31-T33S-R19W
Comanche County, Kansas

OPERATOR: AMERICAN WARRIOR, INC.
WELL: GIRK TRUST #10
API NUMBER: 15-069-20383
LOCATION: 1700' FSL & 1040' FWL
31-T33S-R19W
Comanche County, Kansas
WELLSITE: Dryland Wheat
COMMENCED: September 19, 2005
COMPLETED: September 29, 2005
ELEVATIONS: 1840' G.L. 1853' K.B.
TOTAL DEPTH: 5300' (DRILLER) 5302' (LOG)
CASING: CONDUCTOR: 13-3/8" @ 250 w/250 SX
SURFACE: 8 5/8" @ 560' W/175 SX
PRODUCTION: 5 1/2" @ 5296' W/175 SX
SAMPLES: 10' FROM 4200 TO TD
DRILL STEM TESTS: NONE
LOGS COMPENSATED NEUTRON DENSITY,
MICROLOG, & DUAL INDUCTION
BY LOG-TECH
DRILLING CONTRACTOR: DUKE DRILLING (RIG 7)
REMARKS: GEOLOGICAL SUPERVISION FROM
4200' TO T.D.

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FORMATION TOPS	LOG	SAMPLE	Nearest Comparison Well American Warrior Girk Trust #9 1390' FSL & 1040' FWL 31-T33S-R19W
Heebner	4218 (-2365)	4218 (-2365)	-2371
Lansing	4414 (-2561)	4413 (-2560)	-2566
BKC	4918 (-3065)	4915 (-3062)	-3068
Altamont	4990 (-3137)	4986 (-3133)	-3140
Pawnee	5035 (-3182)	5030 (-3177)	-3182
Fort Scott	5072 (-3219)	5071 (-3218)	-3224
Cherokee	5083 (-3230)	5083 (-3230)	-3236
Detrital Miss	5169 (-3316)	5168 (-3315)	-3324
Miss	5196 (-3343)		-3343
Total Depth	5302 (-3449)	5300 (-3451)	

DEVIATION SURVEYS

Depth	Deviation (in degrees)
255	1/2
564	3/4
1514	1/4
2195	1/2
2907	3/4
3589	1/2
4305	3/4
4987	1/2

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SAMPLE DESCRIPTIONS

Log Measurements

ALTAMONT

4990-5012: Limestone, cream to lt. brown, medium crystalline, fair intercrystalline porosity, slight show of free oil & gas bubbles on break, good yellow fluorescence, fair cut, good odor (55 units hotwire).

PAWNEE

5036-5056: Limestone, cream to lt. brown, medium crystalline, fair-good intercrystalline porosity, slight show of free oil & gas on break, strong fluorescence & cut, strong odor (90 unit hotwire).

DETRITAL MISSISSIPPIAN

5168-5092: Chert, white to tan, weathered to fresh, good tripolitic porosity in weathered samples, saturated stain, no show of free oil, fair odor, good fluorescence & cut; trace of sucrosic dolomite in lower section w/good intercrystalline porosity and saturated stain (200+ units hotwire).

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SUMMARY AND RECOMMENDATIONS

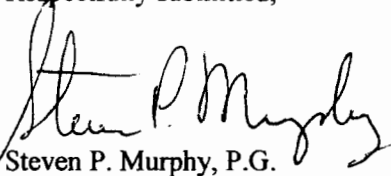
Structurally, the Girk Trust #10 ran 6 feet high in the Pennsylvanian, and 8 feet high at the Mississippian unconformity, compared to the nearest producing well, American Warrior's Girk Trust #9.

Based on the results of sample & log analysis, it was recommended and agreed that 5 ½ inch casing be set in order to produce the Detrital Mississippian. It is recommended that this zone be perforated from **5185-5190 & 5168-5175** w/4 shots per foot. After treatment with acid, the well should be fracture stimulated.

Before abandonment, the following zones should be considered for perforation:

- Pawnee (5038-5044 & 5050-5056)

Respectfully submitted,



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

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