

15-179-21149

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18-10s-28w

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

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

Shaw **Ziegler #1-18**
2160' FSL - 2750' FEL
Section 18-T10S-R28W
Sheridan County, Kansas

RECEIVED
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OPERATOR: AMERICAN WARRIOR, INC.
WELL: *Shaw* ~~ZIEGLER~~ #1-18
API NUMBER: 15-179-21,149
LOCATION: 2160' FSL - 2750' FEL
18-10S-28W
SHERIDAN COUNTY, KS
WELLSITE: WHEAT STUBBLE
COMMENCED: MARCH 7, 2006
COMPLETED: MARCH 14, 2006
ELEVATIONS: 2762' G.L. 2770' K.B.
TOTAL DEPTH: 4340' (DRILLER) 4342' (LOG)
CASING: SURFACE: 8 5/8" @ 212'
PRODUCTION: 5 1/2" @ 4237' W/150 SX
SAMPLES: 10' FROM 3850' TO T.D.
DRILL STEM TESTS: THREE (3) BY TRILOBITE TESTING
LOGS COMPENSATED NEUTRON DENSITY,
SONIC, MICROLOG & DUAL
INDUCTION BY LOG-TECH
DRILLING CONTRACTOR: DISCOVERY RIG #1
REMARKS: GEOLOGICAL SUPERVISION FROM
3850' TO T.D.

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FORMATION TOPS	LOG	Nearest Comparison Well Cinco Exploration #1 Ziegler "A" C SE SW 17-T10S-R28W
Anhydrite	2351 (+419)	+426
B. Anhydrite	2397 (+373)	Not Called
Topeka	3636 (-866)	-865
Heebner	3854 (-1084)	-1081
Toronto	3874 (-1104)	-1105
Lansing	3888 (-1118)	-1115
BKC	4144 (-1374)	-1371
Pleasanton Sand	4159 (-1389)	Not Called

SAMPLE DESCRIPTIONS/SHOWS

Log Measurements

LANSING-KANSAS CITY

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NOTE: Alan Downing was present on location to log drill cuttings to a depth of 3947'. Steven Murphy was present on location for the remainder of the drilling, testing, and logging operations.

3888-3398: (A Zone) Limestone: white-clear, totally ool. w/fair-good ool. porosity, no visible shows of oil/stain. Log shows this zone to have possible production potential, perforate 3889-3892 before abandonment. (Included in DST #1).

3901-3914: (B Zone) Limestone, tan, fine crystalline, good vugular porosity, light show of free oil, gassy when broken, no odor. (Included in DST #1).

3924-3934: (C Zone) Limestone, white-tan, fine crystalline, good ool. & vugular porosity, fair show of free oil, gassy, faint odor, some good light brown saturation. Log indicates this zone in probably wet, not worthy of further testing. (Included in DST #1).

3938-3956: (D Zone): Limestone: white, fine crystalline, scattered ool. porosity, very slight show of free oil, no odor, chalky in part. Log shows this zone to be tight, not worthy of further testing. (Included in DST #1).

DST #1: 3898-3947 (30-45-30-45).

Recovered: 30' drilling mud, 402' muddy water, 142' very slightly oil cut mud (2% oil, 18% water, 80% mud.

IHP: 1888

IFP: 30-165

ISIP: 1180

FFP: 171-287

FSIP: 1163

FHP: 1738

BHT: 113° F

Chlorides (system) – 2,000 ppm

Chlorides (water) – 11,000 ppm

3958-3968: (E Zone) Limestone: cream-tan, fine crystalline, fair-good intercrystalline & vugular porosity, slight show of free oil, fair stain, fair odor. Log shows this zone to have possible

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production potential although possibly with associated saltwater production, perforate 3962-3964 before abandonment. (Included in DST #2).

3970-3982: (F Zone) Limestone: cream, fine crystalline, fair-good vugular porosity, fair show of free oil, gassy on break, fair odor. Log shows this zone to be tight, not worthy of further testing. (Included in DST #2).

DST #2: 3960-3977 (30-30-45-45).

Recovered: 2' drilling mud, 138' muddy water w/show of oil.

IHP: 1904

IFP: 13-49

ISIP: 1241

FFP: 53-90

FSIP: 1229

FHP: 1887

BHT: 123° F

Chlorides (system) – 2,000 ppm

Chlorides (water) – 25,000 ppm

4033-4048: (H Zone) Limestone: cream-tan, fine crystalline, mostly dense (likely from upper thin bench), some oolitic w/fair intercrystalline & pinpoint porosity, trace of free oil/stain, slight odor. Log shows this zone to have possible production potential if secondary porosity is present as indicated on the sonic log, perforate 4033-4037 before abandonment. (Included in DST #3).

4056-4070: (I Zone) Limestone: cream-light brown, fine crystalline, good intercrystalline & vugular porosity, good show of free oil, saturated gassy, strong odor. Log shows this zone to have production potential, perforate 4060-4065. (Included in DST #3).

4080-4094: (J Zone) Limestone: white-tan, fine crystalline, oolitic & oolitic, some dense with ?fracture porosity with bleeding oil (secondary porosity confirmed by sonic log, some good vugular porosity, good show of free oil, saturated stain, strong odor. Log shows this zone to have production potential, perforate 4080-4085. (Included in DST #3).

DST #3: 4018-4095 (45-30-45-60).

Recovered: 240' GIP, 40' oil cut gassy mud (10% gas, 25% oil, 65% mud), 40' of oil cut gassy mud (5% gas, 15% oil, 80% mud)

IHP: 1946

IFP: 20-38

ISIP: 562 (still building)

FFP: 33-48

FSIP: 1196

FHP: 1926

BHT: 114° F

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4135-4144: (L Zone) Limestone: white, fine crystalline, oolitic, slightly oolitic, fair vugular porosity, slight show of free oil, slight stain, slight odor. Log shows this zone to have production potential, perforate 4136-4139. (Included in DST #3).

PLEASANTON SAND

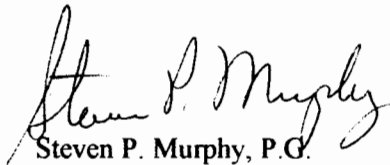
3788-3794: Sandstone, clear, very fine grained, calcite cement, good intergranular porosity, fair show of free oil in upper section with much gilsonite below 4165', saturated stain in upper section, fair odor. Log shows possible production potential at very top of zone with probable association saltwater production. **Perforate 4161-4164 prior to abandonment.**

SUMMARY AND RECOMMENDATIONS

Compared structurally to the nearest producer (Cinco Exploration's #1 Ziegler "A" over a mile to the east-southeast, the Ziegler #1-18 ran 7 feet low at the Anhydrite, and 3 feet low through the lower Pennsylvanian horizons.

Based on the results of log and sample analysis, and DST #3, 5-1/2" casing was set at 4237' to further test zones in the Lansing-Kansas City.

Respectfully submitted,



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