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GEOLOGICAL REPORT
AMERICAN WARRIOR, INC.
WALKER NO.1
150' S OF NW SE SW
SECTION 34-25S-29W
GRAY COUNTY, KANSAS

STATE OF KANSAS

JAN 7 1993

MINING DIVISION
Topeka, Kansas

OPERATOR: American Warrior, Inc.
P.O. Box 399
Garden City, Kansas 67846

WELL: Walker No.1

LOCATION: 150' south of NW SE SW
Section 34-25S-29W
Gray County, Kansas

FIELD: Ingalls

WELLSITE: Very Sandy Pasture

ELEVATION: 2673 GL 2686 KB

COMMENCED: November 06, 1992

COMPLETED: November 12, 1992 (with rotary)

TOTAL DEPTH: RTD: 4900 -2214

CASING: Surface: 8 5/8" @ 432' / 280 sacks cement
Production: 4 1/2" @ 4899' / 180 sacks cement
Port collar @ 1510'

SAMPLES: Samples were examined from 3900' to total
depth.

FORMATION TEST: There was one (1) drill stem test by
Trilobite Testing.

ELECTRICAL LOGS: There were no open hole logs run.
Cased Hole Logs: Gamma Ray, Neutron, Cement
Bond, Collar Log, BY ROSEL.

CONTRACTOR: Allen Drilling - Rig No. 5

FORMATION TOPS	SAMPLES	ROSEL
ANHYDRITE	-	1730 -1780
HEEBNER	4030 -1344	4030 -1344
TORONTO	4042 -1356	4045 -1359
LANSING	4117 -1431	4120 -1434
MARMATON	4560 -1874	4566 -1880
CHEROKEE	4673 -1987	4676 -1990
ST. GENEVIEVE	4798 -2112	4794 -2108
ST. LOUIS POROSITY	4836 -2150	4840 -2154
TOTAL DEPTH	4900 -2214	- -

SAMPLE ZONE DESCRIPTIONS

**TOPEKA
3934 - 3950**

Limestone: light gray brown, sub blocky-flaky, firm, fine crystalline, slightly oolitic and fossiliferous, trace brown organic stain, trace yellow white fluorescence, no odor, weak white halo cut, no free oil.

**TORONTO
4050 - 4058**

Limestone: White, blocky, moderately hard, very fine crystalline, chalky in part, poor porosity, no oil stain, florescence, odor, or cut.

**LANSING
4120 - 4128, 4134 - 4138, 4142 - 4146**

Limestone: dull white, sub blocky, moderately hard, fine crystalline, slightly chalky, rarely oolitic, poor porosity due to chalk, no oil stain, fluorescence, odor or cut.

4157 - 4160

Limestone: dull white, sub blocky, firm, fine crystalline, slightly oolitic and oolitic, moderately good porosity, no oil stain, fluorescence, odor or cut.

4184 - 4196

Limestone: dull white, sub blocky, brittle to moderately hard, very fine crystalline, oolitic, and poorly developed small oolitic, moderately good porosity, no oil stain, fluorescence, odor or cut.

4224 - 4232

Limestone: dull white, sub blocky, firm fine crystalline, oolitic and oolitic, trace white chert, chert increasing down ward, good porosity, no oil stain or fluorescence, no odor or cut, very faint rainbow scum on water.

4248 - 4252, 4256 - 4266

Limestone: dull white, sub blocky, firm, fine crystalline, oolitic and oolitic, trace white chert, chert increasing downward, good porosity, no oil stain or fluorescence, no odor or cut, very faint rainbow scum on water.

4342 - 4352

Limestone: very light brown, sub blocky, firm fine crystalline, oolitic with white chert, trace oolitic, moderately good intergranular porosity, no oil stain, fluorescence, odor or cut.

4360 - 4378

Limestone: very light brown, dull white, sub blocky, firm, oolitic and oolitic, chalky in part, good porosity, no oil stain, fluorescence, odor or cut.

4412 - 4424

Limestone: very light brown, sub blocky, moderately hard, fine crystalline, oolitic and oolitic, chalky in part, fair - good porosity, no oil stain, fluorescence, odor or cut.

MARMATON

4566 - 4576

Limestone: very light brown, blocky to sub blocky, firm, very crystalline, slightly fossiliferous, trace chert, fair porosity, no oil stain, fluorescence, odor or cut.

4638 - 4645

Limestone: white, blocky to sub blocky, moderately hard, fine crystalline, oolitic and poorly developed oolitic, fair porosity, no oil stain, yellow mineral fluorescence, no odor and no cut.

CHEROKEE
4778 - 4786

Limestone: light gray, blocky, hard, very fine crystalline, fair vugular porosity, rare oil stain, light yellow fluorescence, no odor, weak white cut, no free oil.

ST. GENEVIEVE
4794 - 4798

Sandy Limestone: white, rounded clusters, moderately soft, very fine grained quartz, well sorted angular grains, very calcareous, poor porosity, no oil stain, fluorescence, odor or cut.

ST. LOUIS
4832 - 4836

Limestone; very light brown, blocky, hard, very fine crystalline, oolitic, fair intergranular porosity, trace oil stain, yellow fluorescence, no odor, weak white cut, no free oil.

4840 - 4844

Limestone: very light brown, sub blocky, moderately friable, very oolitic, moderately good intergranular porosity, some loose oolites, trace light oil stain, yellow fluorescence, no odor, milky white cut, one drop free oil.

4844 - 4848

Limestone: very light brown, blocky, hard, very fine crystalline, very oolitic, fair fracture porosity, trace oil stain on fractures, yellow fluorescence, no odor, milky white cut, no free oil.

4852 - 4856

Limestone: white, sub blocky, clusters of poorly cemented oolites, very friable, very good intergranular porosity, moderately common oil stain, yellow fluorescence, very light odor, good white cut, fair show of free oil.

DST. NO 1 4826 - 4859

Testing Periods: 60" - 60" - 60" - 60"

Blow: IF: 1/4" building to 7"
FF: 1/4" building to 4"

Recovered: 60' slight oil cut mud: 5% oil, 10% gas, 85% mud
390" gassy oil cut mud: 20% oil, 50% gas, 30% mud
no water.

Pressures: IFP: 27 - 122# FFP: 176 - 217#
ISIP: 753# FSIP: 753#
HH: 2400 - 2387#

Temperature: 111° F

4882 - 4890

Limestone: white, sub blocky, moderately soft, very fine crystalline, chalky oolites, poor intergranular porosity, no oil stain, fluorescence, odor or cut.

STRUCTURAL CORRELATION

	WALKER NO.1 150' S OF NW SE SW 34-25-29W	HATCHER NO.1 C NE SE 34-25-29W	FINNUP- WALKER NO.1 C SW SW 34-25-29W	WARNER 1-A APPROX. NE NW NE 4-26-29W
HEEBNEER	-1344	-1343	-1329	-1340
LANSING	-1434	-1435	-1418	-1428
MARMATON	-1880	-1866	-1863	-
CHEROKEE	-1990	-1981	-1973	-1988
ST. GEN.	-2108	-2109	-2092	-2116
ST. LOUIS	-2154	-2143	-2149	-2145
TOTAL DEPTH	-2214	-2327	-2312	-2393
	-	OIL WELL	D & A	36 BOPD
	ST. LOUIS 1992	MARMATON 1983	- 1979	ST. LOUIS 1984

In view of the recovery of oil and the absence of water from the St. Louis drill stem test it was recommended that production casing be set for further test the Walker No.1 for commercial oil production. The following zones are recommended for perforation:

St. Louis: 4732 - 4736
4740 - 4746
4752 - 4756

These zones should be selectively perforated and then acidized together with balls. This zone has taken mud and should be swabbed clean before the final acid stimulation.

All measurements are taken from the Kelly bushing elevation and Rosel's measurements of formation tops and depths are taken as correct.

Respectfully submitted,
Michael J. Wreath
Company Geologist

Michael J. Wreath