FRANCIS C. WHISLER
CERTIFIED PETROLEUM GEOLOGIST
837 EAST 1ST
RUSSELL, KANSAS 67665

ORIGINAL
15-141-20343

SHIELDS OIL PRODUCERS, INC.
Russell, Kansas

GEOLOGICAL REPORT
Fouts No. 1
100' East of NW SE NE
Sec. 8, T 10 S, R 12 W
Osborne County, Kansas

Oct. 19, 1998

ORIGINAL

SHIELDS OIL PRODUCERS, INC.
P O Box 709
Russell, Kansas

Geological Report:	Fouts No. 1 100' E of NW SE NE Sec. 8, T 10 S, R 12 W Osborne County, Kansas
Contractor:	Shields Drilling Co., Inc.
Drilling Commenced:	Oct. 8, 1998
Drilling Completed:	Oct. 16, 1998
Casing Reocrd:	Surface casing, 8 5/8" set at 217' 4 1/2" production casing set at 3378' with 100 sx ASC cement. Port Collar set at 937'
Samples:	Saved and examined from2700' to 3380', RTD. Zones of interest are described in this report.
Drilling Time:	Recorded and plotted from 2700' to 3380', RTD. A copy of the plotted drilling time/lithology log is included with this report.
Drillstem Tests:	3 by Trilobite Testing LLC.
Electric Logs:	Radiation-Guard-Caliper by ELI, Inc.
Elevations:	Kelly Bushing: 1831' Ground Level: 1826 Measurements From: K. B.

Formations:	Rotary Depths:	E. Log Depths:	E. Log Datums:
Anhydrite	926	924	+ 907
Howard Lime	2740	2741	- 910
Topeka Lime	2779	2779	- 948
Heebner Shale	3008	3007	-1176
Toronto Lime	3031	3029	-1198
Lansing-Kansas City	3067	3067	-1236
Base of Kansas City	3371	3366	-1535

Lithology: Zones of Interest & Test Data:

ORIGINAL

Lansing-Kansas City:

3067-3078: LS-white, dense, crystalline with scattered light oil stain
A zone and fair saturation. Slight crystalline and pin hole porosity. Good odor but no free oil. Tested by Drillstem Test #1. (A zone produces on Fallis #1).

DRILLSTEM TEST No. 1: 3040-3077: 30-60-60-60 with weak blow increasing to good. Off bottom of bucket in 58 minutes.

Recovery:	180' of gas 60' of HOCM
IFP:	37-44
IBHP:	1039 still building
FFP;	59-69
FBHP:	1009 still building

3092-3100: Dol-white, fine crystalline and some white dense lime. Very
B zone cherty. Some crystalline porosity. Rare oil stain, with no free oil or odor. Tested by Drillstem Test #2. (B zone produces on Kendig A-2).

DRILLSTEM TEST No. 2: 3084-3102: 30-60-30 with weak blow died in 5 minutes.

Recovery:	5' of mud with scum of oil
IFP:	30-30
IBHP:	1032
FFP:	37-37
FBHP:	Not taken

3110-3122: LS-white, some buff, oolicastic, fine to medium with scattered
C zone light oil stain, fair saturation. Slight show of free oil and good odor. Good porosity and abundant barren porosity. Tested by Drillstem Test #3.

DRILLSTEM TEST No. 3: 3105-3120: 30-60-60-60 with weak blow throughout

Recovery:	70' of oil specked salt water
IFP:	7-15
IBHP:	994
FFP:	44-52
FBHP:	979

No other zones of oil stain were noted during the drilling of the well.

ORIGINAL

Remarks & Recommendations:

The following table compares the Fouts #1 with the Fallis #1 and the Kendig A-2:

	Fouts #1	Fallis #1	Kendig A-2
Anhydrite	+ 907	+ 881	+ 904
Lansing-KC	-1236	-1241	-1239
B zone	-1261	-1267	-1265
C zone	-1279	-1289	-1285
Base of KC	-1535	-1539	NA

You will note from the foregoing table that the Fouts #1 ran structurally high on all horizons when compared to the nearby producing wells. With the Fallis #1 producing the A zone and the Kendig A-2 producing the B zone it was reasonable to expect that both of the zones would be productive in the Fouts #1. Also, with the higher structural position we rather expected that the C zone would be oil productive. This was not the case. Each zone was tested by drillstem test and the results of test #2 and #3 were negative with only the test covering the A zone indicated probable commercial oil production.

For production I recommend that the A zone be perforated from 3071-76. At some later date, I recommend that the B zone be perforated for further testing from 3094-97.

Respectfully submitted;

Francis C. Whisler

Francis C. Whisler