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RUSSELL, KANSAS 67665

15-141-20347

ORIGINAL

SHLELDS OIL PRODUCERS, INC.
Russell, Kansas

GEOLOGICAL REPORT

FOUTS No. 2
70' N of C S/2 SE NE
Section 8, T 10 S, R 12 W
Osborne County, Kansas
API # 15-141-20347-00-00

3040 FSL 660 FEL

July 19, 2000

RECEIVED
STATE CORPORATION COMMISSION
OCT 31 2000
CONSERVATION DIVISION
Wichita, Kansas

8-10S-12W

ORIGINAL

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

Geological Report:	Fouts No. 2 70' N of C S/2 SE NE Sec. 8, T 10 S, R 12 W Osborne County, Kansas
Drilling Commenced:	July 10, 2000
Drilling Completed:	July 18, 2000
Casing Record:	Surface casing, 8 5/8" set at 228' with 150 sacks cement. Production casing, 4 1/2" set at 3183' with 100 sacks cement.
Samples:	Saved and examined from 2750' to 3185', RTD. Zones of interest are described in this report.
Drilling Time:	Recorded and plotted from 2750' to 3185', RTD. A copy of the plotted drilling time/ lithology log is included with this report.
Drillstem Tests:	by Trilobite Testing, LLC.
Electric Los:	Radiation-Guard-Caliper by ELI, Inc.
Elevations:	Kelly Bushing: 1859' Ground Level: 1854' Measurements From: K. B.

Formations:	Rotary Depths:	E. Log Depths:	E. Log Datums:
Anhydrite	954-986	948-82	+ 911
Howard Lime	2770	2766	- 907
Topeka Lime	2807	2804	- 945
Heebner Shale	3038	3032	- 1173
Toronto Lime	3059	3056	- 1197
Lansing-Kansas City	3098	3094	- 1235
Total Depth	3185	3184	- 1325

Lithology; Zones of Interest & Test Data: (Corrected to E. log depths)

Lansing-Kansas City:

3094-3104: A zone — LS-white, light gray, some buff, fine crystalline dense to slight porosity. Some pin hole porosity. Slight vuggy. Scattered light oil stain and saturation with good odor and slight show of free oil on break. Tested by drillstem test No.1.

Drillstem Test No. 1: 3066 to 3106 (corrected): 30-60-60-60 with weak blow increasing to fair. 4" deep in bucket.

Recovery:	220' of gas	
	80' of oil cut mud:	15% oil 85% mud
IFP:	71-71 psi	
IBHP:	580 psi	
FFP:	94-94 psi	
FBHP:	509 psi	

3122-3130: B Zone — LS & DOL-dense to fine crystalline with crystalline porosity. Abundant white vitreous chert. Rare light oil stain and poor saturation. No free oil or odor. Tested by drillstem test No. 2 and 3.

Drillstem Test No. 2: 3111 to 3130 (corrected): Misrun; lost circulation going in the hole with test tool.

Drillstem Test No. 3: 3111 to 3130: 30-60-30 with weak blow first open and no no blow on second open.

Recovery:	5' of slight oil cut mud
IFP:	23-23 psi
IBHP:	910 psi
FFP:	35-35 psi
FBHP:	Noy taken

3138-3149: C zone — LS-white, fine to medium oolicastic with rare scattered stain and saturation. Good porosity and barren porosity. Good show of free gassy oil and good odor. Tested by drillstem test No. 4.

Drillstem Test No. 4: 3132 to 3151 (corrected)" 30-60-60-60 with weak blow increasing to fair. 2" deep in bucket.

Recovery:	375' of muddy water
IFP:	21-74 psi
IBHP:	846 psi
FFP:	106-191 psi
FBHP:	815 psi

Remarks & Recommendations:

The following table compares the Fouts #2 with the Fouts #1 and with the Libal #1:

	Fouts #2	Fouts #1	Libal #1
Anhydrite	+ 911	+ 907	+ 906
Topeka Lime	- 945	- 948	- 953
Heebner Shale	- 1173	- 1176	- 1182
Lansing-Kansas City	-1235	- 1236	- 1242
C zone	-1279	- 1279	- 1287

You will note from the foregoing table that the Fouts #2 ran higher, structurally, when compared to the two nearby producing wells.

During the drilling of the well oil shows were noted in the A, B and C zones, with each zone being tested by drillstem test. The A zone test was the only test that recovered commercial oil.

For completion, I recommend that only the A zone be perforated and acidized for probable commercial oil production. I recommend that the A zone be perforated from 3098 to 3102 (E. log measurements).

Respectfully submitted;

Francis C. Whisler

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