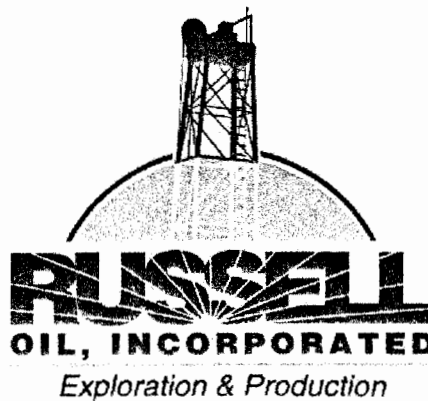


REPORT COPY

GEOLOGICAL REPORT



RUSSELL OIL, INC.

F & M #1-12
2020' FNL & 2110' FWL
Section 12-8S-23W
Graham County, Kansas

Todd E. Morgenstern
Petroleum Geologist
Sunflower Bank Building
P.O. Box 251
Ellinwood, Kansas 67526

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OPERATOR: Russell Oil, Inc.

WELL: F & M #1-12
API # 15-065-22,982-00-00

LOCATION: 2020' from the North Line
2110' from the West Line
Section 12-8S-23W
Graham County, Kansas

FIELD: Wildcat

CONTRACTOR: Shields Drilling Inc.

DRILLING COMMENCED: 08-03-2004

DRILLING COMPLETED: 08-09-2004

DRILLING TIME: One (1) foot drilling time was recorded
from 3000' to 3700' RTD.

SAMPLES: Samples were saved and examined from 3000'
to 3700' RTD.

ELEVATIONS: 2169' Ground Level 2174' Kelly Bushing

MEASUREMENTS: All depths are measured from **2174' K.B.**

CASING RECORD: 8 5/8" Surface Casing set @ 226' with 150 sxs. 60/40 poz

FORMATION TESTING: No tests were run.

MUD: Mud-Co. (Chemical Mud)

OPEN HOLE LOGS: Log-Tech Inc. (CNL/CDL, DIL, MEL & Sonic)

PRODUCTION: D & A

FORMATION TOPS:

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FORMATION	SAMPLE	LOG	DATUM
ANHYDRITE	1836'	1836'	+ 337'
BASE ANHYDRITE	1867'	1867'	+ 306'
TOPEKA	3204'	3206'	-1032'
HEEBNER SHALE	3421'	3418'	-1244'
TORONTO	3444'	3442'	-1268'
LANSING	3457'	3458'	-1284'
STARK SHALE	3636'	3635'	-1461'
BASE KANSAS CITY	3669'	3666'	-1492'
ROTARY TOTAL DEPTH	3700'	*****	-1526'
LOG TOTAL DEPTH	*****	3700'	-1526'

SAMPLE DESCRIPTIONS AND TEST DATA:

TOPEKA:

3238-3246 Limestone, white and gray, finely crystalline, chalky, poor visible porosity, no shows of oil were noted.

3368-3380 Limestone, white, gray and tan, fine to medium crystalline, slightly fossiliferous, good visible intercrystalline porosity, slightly chalky, no shows of oil were noted.

TORONTO:

3442-3452 Limestone, white and cream, finely crystalline, abundant white chert, poor visible porosity, slightly chalky, no shows of oil were noted.

LANSING:

3458-3468 Limestone, white, finely crystalline, with white chert, poor visible porosity, trace of light staining, no show of free oil, no odor.

3492-3499 Limestone, white and gray, finely crystalline, suboolitic, poor visible porosity, no shows of oil were noted.

3508-3518 Limestone, white and tan, finely crystalline, dense, chalky, very poor porosity, no shows of oil were noted.

3532-3542 Limestone, white and gray, finely crystalline, dense, with minor white chert, slightly chalky, no shows of oil were noted.

3591-3602 Limestone, gray and tan, finely crystalline, dense, oolitic, poor visible porosity, no shows of oil were noted.

3612-3618 Limestone, white and tan, finely crystalline, slightly fossiliferous and oolitic, chalky in part, no shows of oil were noted.

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- 3626-3635 Limestone, white and gray, dense, chalky, slightly oolitic and fossiliferous, no shows of oil were noted.
- 3645-3653 Limestone, gray and tan, finely crystalline, slightly oolitic and fossiliferous, trace of scattered porosity, trace of heavy dead appearing oil, no show of free oil, no odor.
- 3660-3668 Limestone, white and gray, finely crystalline, dense, slightly chalky, no shows of oil were noted.

STRUCTURAL COMPARISION:

	Russell Oil F & M #1-12 2020' FNL & 2110' FWL Sec. 12-8S-23W D&A	Harry Gore Hill City #1 330' FNL & 2310' FEL Sec. 12-8S-23W D&A
ANHYDRITE	+ 337'	+358'
BASE ANHYDRITE	+ 306'	N/A
TOPEKA	-1032'	N/A
HEEBNER SHALE	-1244'	-1232'
TORONTO	-1268'	-1255'
LANSING	-1284'	-1269'
STARK	-1461'	N/A
BASE KANSAS CITY	-1492'	N/A

SUMMARY:

The F & M #1-12 was under geological supervision from 3000' to 3700' RTD. With the poor structural position and lack of any commercial shows, it was decided that this well should be plugged and abandoned.

Respectfully submitted,



Todd E. Morgenstern

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