REPORT COPY

GEOLOGICAL REPORT



RUSSELL OIL, INC.

NO.1-24 Law 'D'
2310' FNL & 2150' FEL
Section 24-8S-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:	Law 'D' #1-24 API # 15-065-23,073-00-00
LOCATION:	2310' from the North Line 2150' from the East Line Section 24-8S-23W Graham County, Kansas
FIELD:	Hill City (Abandoned)
CONTRACTOR:	Southwind Drilling Inc. (Rig #1)
DRILLING COMMENCED:	07-01-2005
DRILLING COMPLETED:	07-08-2005
DRILLING TIME:	One (1) foot drilling time was recorded from 3100' to 3680' RTD.
SAMPLES:	Samples were saved and examined from 3100' to 3680' RTD.
ELEVATIONS:	2153' Ground Level 2163' Kelly Bushing
MEASUREMENTS:	All depths are measured from **2163' K.B.**
CASING RECORD:	8 5/8" Surface Casing set @ 266' with 200 sxs. 60/40 poz
FORMATION TESTING:	Two (2) tests were run by Trilobite Testing, Inc. Jason McLemore,Tester
MUD:	Mud-Co. (Chemical Mud)
OPEN HOLE LOGS:	Log-Tech (CNL-CDL & DIL)
PRODUCTION:	D&A

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FORMATION TOPS:

FORMATION	SAMPLE	LOG	DATUM
ANHYDRITE	*****	**1790'**	**+ 373'**
BASE ANHYDRITE	*****	**1823'**	**+ 340'**
TOPEKA	3163'	**3164'**	**-1001'**
HEEBNER SHALE	3381'	**3379'**	**-1216'**
TORONTO	3404'	**3405'**	**-1242'**
LANSING	3416'	**3415'**	**-1252'**
MUNCIE CREEK	3541'	**3537'**	**-1374'**
STARK SHALE	3604'	**3603'**	**-1440'**
BASE KANSAS CITY	3640'	**3636'**	**-1473'**
LOG TOTAL DEPTH	******	**3677'**	**-1514'**
ROTARY TOTAL DEPTH	3680'	******	**-1517'**

SAMPLE DESCRIPTIONS AND TEST DATA:
(All depths have been corrected to log measurements.)

TOPEKA:

3196-3203 Limestone, white and gray, very finely crystalline, slightly fossiliferous, chalky in part, with poor visible porosity, no shows of oil were noted.

3328-3338 Limestone, gray and tan, dense to very finely crystalline, slightly oolitic and fossiliferous, with good visible porosity, trace of heavy, dead oil staining, no show of free oil, no odor.

3348-3356 Limestone, gray and tan, oolitic and slightly oolicastic, with fair to good visible interparticle porosity, slightly chalky, with white chert, no show of free oil,

TORONTO:

3404-3412 Limestone, gray and tan, finely crystalline, slightly fossiliferous, chalky in part, with trace of pinpoint porosity, trace of dead oil staining, no show of free oil, no odor.

LANSING:

3415-3422 Limestone, gray and tan, very finely crystalline, dense, slightly fossiliferous, with poor visible interfossil porosity, no shows of oil were noted.

3451-3458 Limestone, white and gray, finely crystalline, oolitic and slightly fossiliferous, with poor visible interparticle porosity, chalky, no shows of oil were noted.

3464-3469 Limestone, tan and gray, finely crystalline, oolitic and oolicastic, with good visible pinpoint vugular porosity, with trace of dark, residual staining, no show of free oil, no odor.

3492-3496 Limestone, gray and white, finely crystalline, dense, slightly chalky, with poor

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visible porosity, no shows of oil were noted.

3499-3508 Limestone, white, tan and gray, finely crystalline, oolitic and fossiliferous, with trace of pinpoint porosity, chalky in part, with slight show of oil on break, light spotted staining, no odor.

3555-3566 Limestone, white and gray, finely crystalline, slightly oolitic and fossiliferous, with trace of interfossiliferous and pinoint porosity, trace of scattered staining, very slight show of free oil on break, no odor. (Covered by D.S.T. No. 1)

3575-3584 Limestone, white, tan and gray, finely crystalline, slightly fossilierous and oolitic, with poor visible interparticle porosity, rare scattered spotted staining, no show of free oil, chalky in part, no odor. (Covered by D.S.T. No. 1)

FORMATION TEST NO. 1
Lansing (140' & 160' Zones)
Tested from 3532'-3584'

		I.H.P.	1766#
Weak ½" blow, died in 20 min.	30 min.	I.F.P.	16# -35#
No blow-back	30 min.	I.S.I.P.	606#
No blow	30 min.	F.F.P.	18# -23#
No blow-back	30 min.	F.S.I.P.	452#
		F.H.P.	1731#

(SEE PRESSURE CHARTS AT END OF REPORT)

RECOVERY: 6' Mud with Oil Spots

TEMPERATURE: 109*

CHLORIDES: N/A ppm (Recovery) 2,000 ppm (System)

3590-3597 Limestone, white and gray, finely crystalline, oolitic and fossiliferous, with poor to fair visible interparticle porosity, slightly chalky, with rare spotted staining, very slight show of oil on break, no odor. (Covered by D.S.T. No. 2)

FORMATION TEST NO. 2
Lansing (180' Zone)
Tested from 3578'-3597'

		I.H.P.	1772#
Good blow, building to 9 ¾"	60 min.	I.F.P.	19# -63#
No blow-back	60 min.	I.S.I.P.	240#
Weak blow, building to 4"	60 min.	F.F.P.	84# -96#
No blow-back	90 min.	F.S.I.P.	216#
		F.H.P.	1743#

(SEE PRESSURE CHARTS AT END OF REPORT)

RECOVERY: 180' Muddy Water

TEMPERATURE: 111*

CHLORIDES: 1,100 ppm (Recovery) 2,000 ppm (System)

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3611-3620 Limestone, white and gray, finely crystalline, oolitic and fossiliferous, chalky, with poor to fair visible interfossil porosity, slight spotted dark staining, no show of free oil, no odor.

STRUCTURAL COMPARISION:

	Russell Oil **Law 'D' #1-24** **2310' FNL & 2150' FEL** **Sec. 24-08S-23W** **D&B**	Russell Oil Law 'C' #1-24 1980' FSL & 1650' FEL Sec. 24-08S-23W Oil	Imperial Oil Law 'B' #1 NW-NW-SE Sec. 24-08S-23W Oil
ANHYDRITE	**+ 373'**	+ 378'	+ 383'
BASE ANHYDRITE	**+ 340'**	+ 343'	+ 351'
TOPEKA	**-1001'**	-1002'	- 998'
HEEBNER SHALE	**-1216'**	-1216'	-1214'
TORONTO	**-1242'**	-1239'	-1237'
LANSING	**-1252'**	-1254'	-1249'
BASE KANSAS CITY	**-1473'**	-1472'	-1469'

SUMMARY:

The Law 'D' #1-24 was under geological supervision from 3100' to 3680' RTD. After reviewing the open hole logs and the negative results from D.S.T. No.'s 1 and 2, it was decided to plug and abandon this well.

Respectfully submitted,

Todd E. Morgenstern

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