

Crude Producers
Black #1
SW SW SE, Section 8-14-15W
Russell County, Kansas

4 1/2" PRODUCTION CASING SET

CONTRACTOR: Revlin Drilling Company
COMMENCED: 9-17-80
COMPLETED: 9-23-80
ELEVATIONS: 1857' K.B., 1854' D.F., 1852' G.L.
CASING PROGRAM: Surface: 8 5/8" @215'
Production: 4 1/2" @3349'
MEASUREMENTS: All depths measured from the Kelly Bushing
DRILLING TIME: One (1) foot drilling time recorded by geologist, surface to the R.T.D.
SAMPLES: Samples saved 2350' to the R.T.D.
ELECTRIC LOG: By Electra: Radiation Guard Log
FORMATION TESTING: There was one (1) drill stem test run by Western Testers

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	925	+ 932
Grand Haven	2438	- 581
Dover	2478	- 621
Tarkio Lime	2549	- 692
Elmont	2604	- 747
Howard	2745	- 888
Severy	2786	- 929
Topeka	2800	- 943
Heebner	3023	-1166
Toronto	3042	-1185
Douglas	3058	-1201
Lansing	3076	-1219
Conglomerate	3317	-1470
Electric Log Depth	3228	-1371
Rotary Total Depth	3350	-1493

(All tops and zone determinations were corrected to the Electric Log Measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION
2870-2878

Limestone, tan, highly chalky, poor visible porosity. No show of oil.

2975-2980

Limestone, gray to cream, oocastic, slightly cherty, fair oocastic porosity, good light brown to very dark brown stain and saturation, weak show of heavy black free oil and odor in fresh samples. PERFORATE

2992-3006

Limestone, cream to white, slightly oocastic, highly chalky, questionable stain. No show of free oil or odor in fresh samples.

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TORONTO SECTION
3044-3048

Limestone, white to cream, fossiliferous, cherty, poor visible porosity, scattered stain. No show of free oil and faint odor in fresh samples.

LANSING SECTION
3076-3081

Limestone, tan, finely crystalline, fossiliferous, poor pinpoint and fossil-cast porosity, cherty, scattered light brown stain, faint show of free oil and odor in fresh samples. PERFORATE

3100-3104

Limestone, buff to cream, fossiliferous to oocastic, poor to fair oocastic porosity, spotty brown stain, weak show of free oil and odor in fresh samples. PERFORATE

DRILL STEM TEST #1 3047-3125 (Driller)

Open:	I.F. 30" F.F. 30"
Blow:	Strong
Recovery:	940' gas in pipe 120' muddy frothy oil 60' slightly oil and gas cut mud 35' heavy oil and gas cut mud
Pressures:	ISIP 856 psi FSIP 856 psi IFP 30-53 psi FFP 69-84 psi HSH 1669-1661 psi
Temperature:	98°F

3156-3161

Limestone, buff to cream, oolitic, chalky, poor porosity, spotty stain. No show of free oil or odor in fresh samples.

3167-3180

Limestone, white to cream, finely crystalline, oocastic, good oocastic porosity. No shows of oil.

3220-3226

Limestone, buff to tan, fossiliferous, questionable stain. No show of free oil in fresh samples.

3264-3270

Limestone, cream to buff, oolitic to fossiliferous, poor pinpoint porosity, rare spotty stain, trace of free oil and no odor in fresh samples.

CONGLOMERATE SECTION
3317-3350

Chert, cream to boney white, all in a matrix of blood red and green waxy shales. No show of oil.

ELECTRIC LOG DEPTH 3228 (-1371)
ROTARY TOTAL DEPTH 3350 (-1493)

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RECOMMENDATIONS: It was recommended that 4½" casing be set and cemented at 3349', one (1) foot off bottom and the following zones to be tested.

1. Lansing
2. Lansing
3. Topeka

3100-3104
3076-3081
2975-2980

PERFORATE

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Respectfully submitted,



Brad Hutchison

BJH:mw