



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

January 2, 1968

24-23-10E

Newland Oil Company
501 E. Rutledge
Yates Center, Kansas 66783

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Maynard Lease, Well No. 15, Woodson County, Kansas, and submitted to our laboratory on December 28, 1967.

This core was sampled and the samples sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:bjc

5 c. - Yates Center, Kansas

Maynard 15

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GENERAL INFORMATION & SUMMARY

Company Newland Oil Company Lease Maynard Well No. 15

Location SW/4

Section 24 Twp. 23S Rge. 16E County Woodson State Kansas

Name of Sand - - - - - Squirrel

Top of Core - - - - - 950.0

Bottom of Core - - - - - 959.0

Top of Sand - - (Received) - - - - - 950.0

Bottom of Sand ^{Good} - - - - - 958.0

Total Feet of Permeable Sand - - - - - 8.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 50	3.7	3.7
50 & above	4.3	8.0

Average Permeability Millidarcys - - - - - 54.6

Average Percent Porosity - - - - - 20.6

Average Percent Oil Saturation - - - - - 52.0

Average Percent Water Saturation - - - - - 25.1

Average Oil Content, Bbls./A. Ft. - - - - - 831.

Total Oil Content, Bbls./Acre - - - - - 6,646.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - -

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

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- LOG -

Company Newland Oil Company Lease Maynard Well No. 15

Depth Interval, Description
Feet

950.0 - 956.0 - Brown slightly laminated shaly sandstone.

956.0 - 958.0 - Brown laminated shaly sandstone.

958.0 - 959.0 - Brown and gray laminated shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Newland Oil Company Lease Maynard Well No. 15

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	950.7	22.4	46	25	71	800	89.	1.1	1.1	880	97.90
2	951.7	20.4	49	21	70	776	84.	1.0	2.1	776	84.00
3	952.5	21.2	48	27	75	790	62.	1.1	3.2	869	68.20
4	953.9	21.3	52	27	79	860	55.	1.1	4.3	946	60.50
5	954.8	21.6	60	25	85	1006	40.	1.0	5.3	1006	40.00
6	955.7	20.1	51	26	77	795	30.	0.7	6.0	556	21.00
7	956.7	18.0	54	25	79	754	37.	1.1	7.1	829	40.70
8	957.5	19.7	57	25	82	871	27.	0.9	8.0	784	24.30