

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

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January 26, 1962

Langdon & Finch
309 East 5th
Ottawa, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Cable Tool core samples taken from the Lester Kalb Lease, Well No. 5, Douglas County, Kansas, and submitted to our laboratory on January 24, 1962.

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

Because of the soft nature of the sand, it was impossible to obtain permeability samples.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

BRP:rf

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GENERAL INFORMATION & SUMMARY

Company Langdon & Finch Lease Lester Kalb Well No. 5

Location NW SW SW

Section 1 Twp. 15S Rge. 20E County Douglas State Kansas

Name of Sand	Squirrel
Top of Core	835.0
Bottom of Core	849.0
Top of Sand	835.0
Bottom of Sand	849.0
Total Feet of Permeable Sand	-
Total Feet of Floodable Sand	-

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

Average Permeability Millidarcys	-
Average Percent Porosity	21.6
Average Percent Oil Saturation	32.2
Average Percent Water Saturation	56.3
Average Oil Content, Bbls./A. Ft.	551.
Total Oil Content, Bbls./Acre	7,726.
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	1,230.
Packer Setting, Feet	-
Viscosity, Centipoises @	-
A. P. I. Gravity, degrees @ 60 °F	-
Elevation, Feet	-

LOG

Company Langdon & Finch Lease Lester Kalb Well No. 5

Depth Interval, Description
Feet

835.0 - 844.0 - Brown slightly laminated, slightly shaley sandstone.

844.0 - 846.0 - Brown shaley sandstone.

846.0 - 849.0 - Sandy shale.

RESULTS OF SATURATION TESTS

Company Langdon & Finch

Lester Kalb

Well No. 5[illegible]

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.	
Langdon & Finch		Lester Kalb		5	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
835.0 - 845.0	10.0	22.7	39.4	48.1	6,909
845.0 - 849.0	4.0	18.9	14.0	76.8	817
835.0 - 849.0	14.0	21.6	32.2	56.3	7,726