

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

March 20, 1980

Finley Oil Company
Box 612
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Finley Lease, Well No. 1, Wilson County, Kansas and submitted to our laboratory on March 10, 1980.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP/kas
3 cc to Chanute, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Finley Oil Company Lease Finley Well No. 1

Location 1072' WEL & 185' NSL S $\frac{1}{2}$ NE

Section 25 Twp. 27S Rge. 16E County Wilson State Kansas

Elevation, Feet

Name of Sand

Squirrel

Top of Core

858.0

Bottom of Core

866.6

Top of Sand

858.0

Bottom of Sand (Tested) .

862.6

Total Feet of Permeable Sand

2.4

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 6

1.8

1.8

6 & Above

0.6

2.4

Average Permeability Millidarcys

5.0

Average Percent Porosity

10.7

Average Percent Oil Saturation

23.5

Average Percent Water Saturation

63.3

Average Oil Content, Bbls./A. Ft.

250.

Total Oil Content, Bbls./Acre

601.

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LOGName Finley Oil Company Lease Finley Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
858.0 - 859.0	Grayish brown shaly sandstone.
859.0 - 859.6	Brown sandstone.
859.6 - 859.9	Gray sandy shale.
859.9 - 861.0	Brown shaly sandstone.
861.0 - 861.8	Gray sandy shale.
861.8 - 862.6	Brown shaly sandstone.
862.6 - 864.0	Brown and gray laminated sandstone and shale.
864.0 - 866.6	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Finley Oil Company Lease Finley Well No. 1

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	858.5	8.8	7	81	88	48	0.61	1.0	1.0	48	0.61
2	859.5	8.4	5	86	91	33	12.	0.6	1.6	20	7.20
3	861.9	14.8	58	24	82	666	5.3	0.8	2.4	533	4.24

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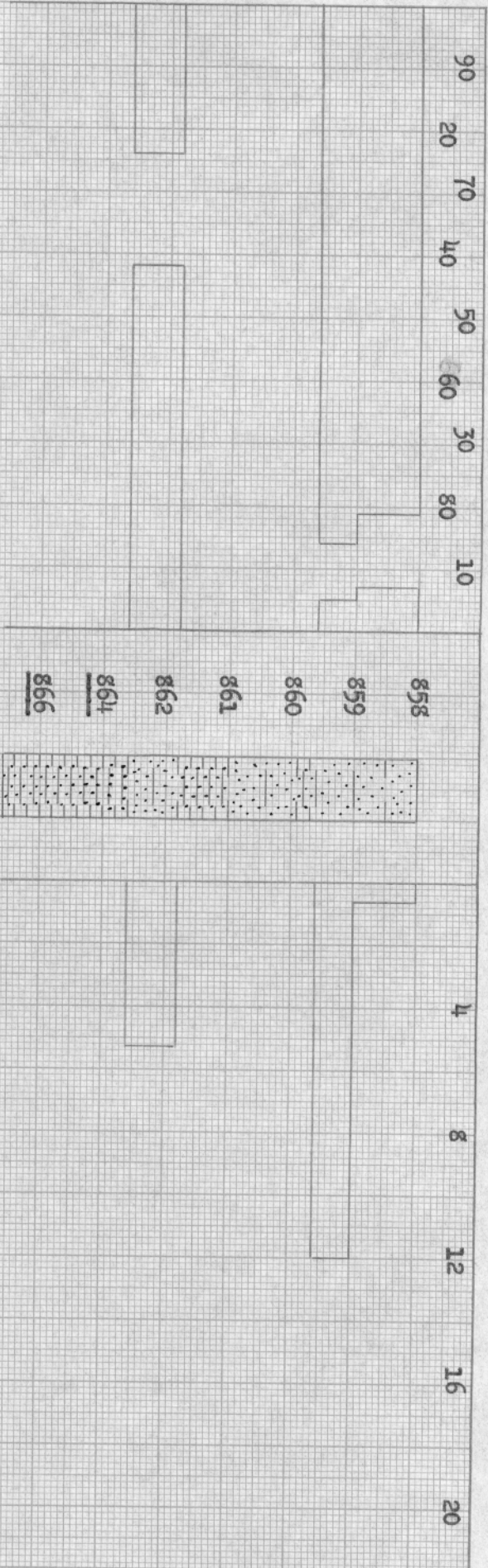
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Finley Oil Company Lease Finley Well No. 1

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
858.0 - 862.6	2.4	5.0	12.05

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content; Bbl. / A. Ft.	Total Oil Content Bbl. / Acre
858.0 - 862.6	2.4	10.7	23.5	63.3	250	601



FINLEY OIL COMPANY

FINLEY LEASE

WILSON COUNTY, KANSAS

WELL NO. 1

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
858.0 - 862.6	2.4	10.7	23.5	63.3	5.0