



OILFIELD RESEARCH LABORATORIES

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

February 19, 1980

Kendale Oil Company, Inc.
c/o Kenneth Winn
Rural Route 1
Leroy, Kansas 66857

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Larry Gleue Lease, Well No. G-1, Coffey County, Kansas, and submitted to our laboratory on February 15, 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

Sanford A. Michel

SAM/tem
2 c to Leroy, Kansas

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GENERAL INFORMATION & SUMMARY

Company Kendale Oil Company, Inc. Lease Larry Gleue Well No. G-1

Location 220' SNL & 660' EWL NE $\frac{1}{4}$ SW $\frac{1}{4}$

Section 13 Twp. 23S Rge. 16E County Coffey State Kansas

Elevation, Feet

Name of Sand

Squirrel

Top of Core

944.0

Bottom of Core

954.5

Top of Sand

944.0

Bottom of Sand

951.7

Total Feet of Permeable Sand

7.2

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 8

2.6

2.6

12 - 30

2.0

4.6

30 & Above

2.6

7.2

Average Permeability Millidarcys

24.7

Average Percent Porosity

19.4

Average Percent Oil Saturation

47.7

Average Percent Water Saturation

27.6

Average Oil Content, Bbls./A. Ft.

714.

Total Oil Content, Bbls./Acre

5,141.

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LOG

Name Kendale Oil Company, Inc. Lease Larry Gleue Well No. G-1

Depth Interval,
Feet

Description

944.0 - 944.6	Brown slightly shaly sandstone.
944.6 - 945.1	Gray sandy shale.
945.1 - 949.3	Brown and gray laminated sandstone and shale.
949.3 - 950.7	Dark brown sandstone.
950.7 - 951.7	Brown and gray laminated sandstone and shale.
951.7 - 954.5	Gray sandy shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Kendale Oil Company, Inc.Lease Larry GleueWell No. G-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	944.4	19.2	50	24	74	745	7.5	0.6	0.6	447	4.50
2	945.5	21.1	54	21	75	884	30.	0.9	1.5	796	27.00
3	946.5	21.6	50	24	74	838	84.	1.0	2.5	838.	84.00
4	947.5	19.6	55	20	75	836	3.9	1.0	3.5	836	3.90
5	948.5	16.8	57	27	84	743	14.	1.3	4.8	966	18.20
6	949.5	21.9	24	42	66	408	18.	0.7	5.5	286	12.60
7	950.5	18.1	46	26	72	646	38.	0.7	6.2	452	26.60
8	951.3	18.1	37	39	76	520	1.3	1.0	7.2	520	1.30

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.	G-1	
Kendale Oil Company, Inc.	Larry Gleue	G-1	G-1	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
944.0 - 951.7	7.2	24.7	178.10	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
944.0 - 951.7	7.2	47.7	27.6	714
		19.4	27.6	5,141