



OILFIELD RESEARCH LABORATORIES

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

June 23, 1980

Lorraine Cleaver Oil Company
Rural Route #2
Colony, Kansas 66015

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core samples taken from the C. Turner Lease, Well No. 1, Allen County, Kansas, and submitted to our laboratory on June 14, 1980.

The core samples were sealed in plastic bags by a representative of the client. In examining this core, it is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

5 c to Colony, Kansas

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GENERAL INFORMATION & SUMMARY

Company Lorraine Cleaver Oil Company Lease C. Turner Well No. 1
 Location 125' EWL & 125' NSL, NE $\frac{1}{4}$
 Section 29 Twp. 23S Rge. 18E County Allen State Kansas

Elevation, Feet	
Name of Sand	Bartlesville
Top of Core	914.0
Bottom of Core	927.0
Top of Sand	914.0
Bottom of Sand	927.0
Total Feet of Permeable Sand	8.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 100	3.0	3.0
100 - 200	2.0	5.0
200 - 300	1.0	6.0
300 & Above	2.0	8.0

Average Permeability Millidarcys	185.8
Average Percent Porosity	21.4
Average Percent Oil Saturation	43.4
Average Percent Water Saturation	27.6
Average Oil Content, Bbls./A. Ft.	728.
Total Oil Content, Bbls./Acre	6,552.

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LOG

Name Lorraine Cleaver Oil Company Lease C. Turner Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
914.0 - 915.0	Light brown very shaly sandstone.
915.0 - 922.0	Dark brown sandstone.
922.0 - 926.0	Core Not Received.
926.0 - 927.0	Brown slightly shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Lorraine Cleaver Oil Company Lease C. Turner Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Total	Ft.		
1	914.5	11.6	39	51	90	Imp.	1.0	1.0	351	0.00
2	915.5	21.9	42	26	68	364.	1.0	2.0	714	364.00
3	916.5	23.6	29	33	62	73.	1.0	3.0	531	73.00
4	917.5	23.0	50	19	69	80.	1.0	4.0	892	80.00
5	918.5	23.3	50	18	68	387.	1.0	5.0	904	387.00
6	919.5	24.3	47	27	74	170.	1.0	6.0	886	170.00
7	920.5	24.4	49	18	67	253.	1.0	7.0	928	253.00
8	921.5	21.8	43	24	67	142.	1.0	8.0	727	142.00
9	926.5	19.0	42	32	74	17.	1.0	9.0	619	17.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Loraine Cleaver Oil Company	Lease	C. Turner	Well No.	1
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
	914.0 - 927.0	8.0	185.8	1486.00	
	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
	914.0 - 927.0	9.0	43.4	27.6	728 6,552
			Average Percent Porosity		
			21.4		