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

October 10, 1980

Glenn Caldwell
P. O. Box 42
Garnett, Kansas 66032

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Bailey-Lohrengel Lease, Well No. 7, located in Anderson County, Kansas and submitted to our laboratory on August 13, 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/ks

5 c to Garnett, Kansas

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GENERAL INFORMATION & SUMMARY

Company Glenn Caldwell Lease Bailey-Lohrengel Well No. 7

Location NW¼ SW¼ NE¼

Section 22 Twp. 21S Rge. 21E County Anderson State Kansas

Elevation, Feet	-
Name of Sand	Squirrel
Top of Core	603.0
Bottom of Core	621.0
Top of Sand	603.0
Bottom of Sand	621.0
Total Feet of Permeable Sand	16.7

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 25	2.9	2.9
25 - 35	7.8	10.7
35 - 50	5.0	15.7
80 & Above	1.0	16.7

Average Permeability Millidarcys	33.5
Average Percent Porosity	19.3
Average Percent Oil Saturation	47.8
Average Percent Water Saturation	43.8
Average Oil Content, Bbls./A. Ft.	714.
Total Oil Content, Bbls./Acre	11,931.

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LOG

Name Glenn Caldwell Lease Bailey-Lohrengel Well No. 7

Depth Interval, Feet	Description
603.0 - 616.4	Dark brown slightly calcareous sandstone.
616.4 - 617.3	Brown and gray laminated sandstone and shale.
617.3 - 618.0	Brown slightly calcareous sandstone.
618.0 - 619.2	Grayish brown shaly sandstone.
619.2 - 621.0	Brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Glenn Caldwell Lease Bailey-Lohrengel Well No. 7

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	603.5	20.4	38	48	86	601	26.	1.0	1.0	601	26.00
2	604.5	20.9	44	41	85	713	31.	1.0	2.0	713	31.00
3	605.5	20.6	35	48	83	559	42.	1.0	3.0	559	42.00
4	606.5	20.1	53	39	92	827	26.	1.0	4.0	827	26.00
5	607.6	18.5	55	41	96	789	11.	1.0	5.0	789	11.00
6	608.6	20.3	38	47	85	599	47.	1.0	6.0	599	47.00
7	609.7	19.1	55	44	99	815	31.	1.0	7.0	815	31.00
8	610.7	19.7	40	50	90	611	30.	1.0	8.0	611	30.00
9	611.7	19.2	46	45	91	685	36.	1.0	9.0	685	36.00
10	612.6	19.4	48	42	90	722	44.	1.0	10.0	722	44.00
11	613.9	18.7	42	51	93	609	32.	1.0	11.0	609	32.00
12	614.7	15.6	49	49	98	593	25.	1.0	12.0	593	25.00
13	615.4	20.1	56	40	96	873	82.	1.0	13.0	873	82.00
14	617.6	20.5	54	37	91	859	21.	0.7	13.7	601	14.70
15	618.5	17.6	48	46	94	655	1.7	1.2	14.9	786	2.04
16	619.6	18.8	61	37	98	890	29.	0.8	15.7	712	23.20
17	620.5	19.6	55	36	91	836	38.	1.0	16.7	836	38.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Glenn Caldwell Lease Bailey-Lohrengel Well No. 7

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
603.0 - 621.0	16.7	33.5	559.30

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 Bbls./Acre
603.0 - 621.0	16.7	19.3	47.8	43.8	714	11,931