



OILFIELD RESEARCH LABORATORIES

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

July 10, 1981

Clarence Van Lerberg
12905 Niemon
Overland Park, Kansas 66213

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Van Lerberg Lease, Well No. 1, located in Johnson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on July 8, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Overland Park, Kansas

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GENERAL INFORMATION & SUMMARY

Company Clarence Van Lerberg Lease Van Lerberg Well No. 1
 Location 165' WEL & 165' NSL
 Section 36 Twp. 12S Rge. 23E County Johnson State Kansas

Elevation, Feet

Name of Sand.....

Top of Core 541.0

Bottom of Core 563.9

Top of Sand 541.0

Bottom of Sand 563.9

Total Feet of Permeable Sand 11.9

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 15	2.7	2.7
20 - 30	3.1	5.8
40 - 115	6.1	11.9

Average Permeability Millidarcys 48.1

Average Percent Porosity 20.1

Average Percent Oil Saturation 34.9

Average Percent Water Saturation 45.9

Average Oil Content, Bbls./A. Ft. 559.

Total Oil Content, Bbls./Acre..... 7,882.

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LOGName Clarence Van Lerberg Lease Van Lerberg Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
541.0 - 543.3	Grayish brown calcareous sandstone with micaceous partings.
543.3 - 543.9	Grayish brown calcareous shaly sandstone with micaceous partings.
543.9 - 544.7	Grayish brown calcareous sandstone with micaceous partings.
544.7 - 553.5	Gray shale.
553.5 - 554.0	Grayish brown calcareous shaly sandstone.
554.0 - 554.8	Brown calcareous sandstone.
554.8 - 558.2	Grayish brown calcareous sandstone with micaceous partings.
558.2 - 559.2	Brown calcareous sandstone.
559.2 - 560.1	Grayish brown calcareous sandstone with micaceous partings.
560.1 - 561.2	Grayish brown slightly calcareous sandstone with micaceous partings and fine shale partings.
561.2 - 563.9	Grayish very light brown shaly sandstone with micaceous partings.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Clarence Van Lerberg Lease Van Lerberg 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			Ft.	Cum. Ft.		
1	541.6	20.3	38	39	599	21.	1.0	1.0	599	21.00
2	542.5	20.6	35	45	559	26.	1.3	2.3	727	33.80
3	543.7	20.3	40	42	630	9.6	0.6	2.9	378	5.76
4	544.6	20.8	33	38	533	29.	0.8	3.7	426	23.20
5	553.7	14.1	11	73	120	Imp.	0.5	4.2	60	0.00
6	554.6	24.5	45	26	855	108.	0.8	5.0	684	86.40
7	555.5	22.4	42	34	730	71.	1.4	6.4	1022	99.40
8	556.5	19.9	46	40	710	42.	1.0	7.4	710	42.00
9	557.4	18.8	11	65	160	76.	1.0	8.4	160	76.00
10	558.4	24.2	39	31	732	113.	1.0	9.4	732	113.00
11	559.6	22.4	46	28	799	61.	0.9	10.3	719	54.90
12	560.4	20.0	47	42	729	14.	1.1	11.4	802	15.40
13	561.5	16.2	29	64	365	Imp.	0.7	12.1	256	0.00
14	562.5	17.5	18	73	244	1.4	1.0	13.1	244	1.40
15	563.6	15.1	31	64	363	Imp.	1.0	14.1	363	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Clarence Van Lerberg	Lease	Van Lerberg	Well No.	1
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
541.0 - 563.9	11.9	48.1	572.26			
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
541.0 - 563.9	14.1	20.1	34.9	45.9	559	7,882