



OILFIELD RESEARCH LABORATORIES

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

September 9, 1980

Renflow Oil Company
P. O. Box 707
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Larson Lease, Well No. I-39, Allen County, Kansas and submitted to our laboratory on July 16, 1980.

The core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/ks

5 c to Chanute, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Renflow Oil Company Lease Larson Well No. I-39
 Location -
 Section 26 Twp. 32S Rge. 30E County Allen State Kansas

Elevation, Feet	-
Name of Sand	Tucker
Top of Core	801.0
Bottom of Core	836.3
Top of Sand	801.0
Bottom of Sand	836.3
Total Feet of Permeable Sand	34.6

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 25	2.9	2.9
25 - 55	13.4	16.3
135 - 200	2.7	19.0
200 - 300	5.7	24.7
300 - 500	5.9	30.6
500 & Above	4.0	34.6

Average Permeability Millidarcys	206.2
Average Percent Porosity	16.9
Average Percent Oil Saturation	45.8
Average Percent Water Saturation	43.1
Average Oil Content, Bbls./A. Ft.	617.
Total Oil Content, Bbls./Acre	21,333.

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LOGName Renflow Oil Company Lease Larson Well No. I-39

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
801.0 - 801.9	Brown and gray laminated sandstone and shale.
801.9 - 802.6	Dark brown slightly calcareous sandstone.
802.6 - 803.3	Brown and gray laminated sandstone and shale.
803.3 - 820.9	Dark brown slightly carbonaceous slightly calcareous sandstone.
820.9 - 836.3	Brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Renflow Oil Company Lease Larson Well No. I-39

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	801.5	12.5	26	61	252	7.4	0.9	0.9	227	6.66
2	802.5	16.9	45	38	590	288.	0.7	1.6	413	201.60
3	803.5	13.3	59	36	609	135.	0.7	2.3	426	94.50
4	804.5	18.2	53	42	748	253.	1.0	3.3	748	253.00
5	805.5	19.8	60	29	922	200.	1.0	4.3	922	200.00
6	806.5	18.8	55	41	802	280.	1.0	5.3	802	280.00
7	807.5	19.0	52	38	767	273.	1.0	6.3	767	273.00
8	808.5	17.2	63	30	841	182.	1.0	7.3	841	182.00
9	809.5	21.0	60	39	978	437.	1.0	8.3	978	437.00
10	810.5	19.1	41	45	608	624.	1.0	9.3	608	624.00
11	811.3	20.0	68	31	1055	650.	1.0	10.3	1055	650.00
12	812.5	20.8	54	43	871	536.	1.0	11.3	871	536.00
13	813.5	19.7	64	30	978	695.	1.0	12.3	978	695.00
14	814.5	20.6	68	29	1087	355.	1.0	13.3	1087	355.00
15	815.5	17.7	68	28	934	351.	1.0	14.3	934	351.00
16	816.5	15.0	40	55	465	309.	1.0	15.3	465	309.00
17	817.5	16.9	57	34	747	176.	1.0	16.3	747	176.00
18	818.5	16.9	55	40	721	384.	1.0	17.3	721	384.00
19	819.5	17.3	38	58	510	241.	1.0	18.3	510	241.00
20	820.5	18.6	54	40	779	424.	0.9	19.2	701	381.60
21	821.5	16.9	32	39	420	44.	1.1	20.3	462	48.40
22	822.5	17.1	43	42	570	33.	1.0	21.3	570	33.00
23	823.5	16.9	35	49	459	34.	1.0	22.3	459	34.00
24	824.5	19.6	37	44	563	50.	1.0	23.3	563	50.00
25	825.5	15.6	27	48	327	39.	1.0	24.3	327	39.00
26	826.5	15.6	41	44	496	29.	1.0	25.3	496	29.00
27	827.5	12.8	44	54	437	32.	1.0	26.3	437	32.00
28	828.5	15.3	40	55	475	43.	1.0	27.3	475	43.00
29	829.5	15.2	41	48	484	26.	1.0	28.3	484	26.00
30	830.5	15.0	34	53	396	28.	1.0	29.3	396	28.00

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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.		
31	831.5	15.1	34	49	398	22.	1.0	30.3	398	22.00
32	832.5	14.7	32	54	365	26.	1.0	31.3	365	26.00
33	833.5	14.4	28	46	313	29.	1.0	32.3	313	29.00
34	834.5	13.8	27	50	289	23.	1.0	33.3	289	23.00
35	835.5	13.7	36	44	383	33.	1.3	34.6	498	42.90

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Larson	Well No.	I-39
Renflow Oil Company				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
801.0 - 820.9	19.2	345.3	6,630.36	14,801
820.9 - 836.3	15.4	32.8	505.30	6,532
801.0 - 836.3	34.6	206.2	7,135.66	21,333
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Saturation	Average Oil Content Bbl./A. Ft.	Average Percent Water Saturation
801.0 - 820.9	19.2	18.1	54.2	39.3
820.9 - 836.3	15.4	15.4	35.4	47.8
801.0 - 836.3	34.6	16.9	45.8	43.1