



OILFIELD RESEARCH LABORATORIES

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

September 21, 1978

Susmio Oil Company
Box 269
Yates Center, Kansas 66783

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the E.E. Light "C" Lease, Well No. 10, Woodson County, Kansas, and submitted to our laboratory on September 13, 1978.

This core was sampled by a representative of Oil Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:km
3 c to Yates Center, Kansas

OILFIELD RESEARCH LABORATORIES

- LOG -

Company Susmio Oil Company Lease E.E. Light "C" Well No. 10

<u>Depth Interval, Feet</u>	<u>Description</u>
936.0 - 938.2	Gray & light brown laminated sandstone and shale.
938.2 - 940.9	Dark brown laminated shaly sandstone.
940.9 - 941.5	Gray slightly sandy shale.
941.5 - 945.0	Dark brown sandstone.
945.0 - 945.8	Light brown shaly sandstone.
945.8 - 946.4	Dark brown sandstone.
946.4 - 949.7	Light brown laminated shaly sandstone.
949.7 - 952.0	Gray sandy shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Susmio Oil Company Lease E. E. Light "C" Well No. 10

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Ebbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X rd.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	938.5	18.9	60	13	73	880	51.	0.7	0.7	616	35.70
2	939.5	19.4	64	14	78	963	139.	1.0	1.7	963	139.00
3	940.5	17.7	50	29	79	687	7.3	1.0	2.7	687	7.30
4	941.5	22.3	58	14	72	1,003	37.	0.5	3.2	502	18.50
5	942.5	20.3	52	15	67	819	62.	1.0	4.2	819	62.00
6	943.5	21.4	56	16	72	930	35.	1.0	5.2	930	35.00
7	944.5	21.2	58	16	74	954	116.	1.0	6.2	954	116.00
8	945.5	23.4	55	16	71	999	14.	0.8	7.0	799	11.20
9	946.5	15.7	28	45	73	341	3.1	0.6	7.6	205	1.90
10	947.5	15.6	46	42	88	557	0.82	1.0	8.6	557	0.82
11	948.5	15.0	29	50	79	338	0.70	1.0	9.6	338	0.70
12	949.5	16.4	32	48	80	407	0.30	0.7	10.3	285	0.21

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.				
Susmio Oil Company	E.E. Light "C"	10				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
938.2 - 945.8	7.0	60.7	424.70	Average Percent Porosity	Total Oil Content Bbls./Acre	
946.4 - 949.7	3.3	1.1	3.63	17.0	6,270	
938.2 - 949.7	10.3	41.6	428.33	46.3	1,385	
				26.4	7,655	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.		
938.2 - 945.8	7.0	56.4	17.0	896	6,270	
946.4 - 949.7	3.3	34.6	46.3	420	1,385	
938.2 - 949.7	10.3	49.4	26.4	743	7,655	