



OILFIELD RESEARCH LABORATORIES

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

December 16, 1980

Susmio Oil Company
P O Box 233
Yates Center, Kansas 66783

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Light Lease, Well No. 15-C, and located in Woodson County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories and received in our laboratory on November 28, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

3 c to Yates Center, Kansas

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GENERAL INFORMATION & SUMMARY

Company Susmio Oil Co. Lease Light Well No. 15-C
 Location -
 Section 8 Twp. 25S Rge. 16E County Woodson State Kansas

Elevation, Feet	-
Name of Sand	Squirrel
Top of Core	901.0
Bottom of Core	912.0
Top of Sand	901.0
Bottom of Sand	911.7
Total Feet of Permeable Sand	7.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	3.0	3.0
5 - 10	3.0	6.0
10 & Above	1.0	7.0

Average Permeability Millidarcys	5.2
Average Percent Porosity	14.2
Average Percent Oil Saturation	47.7
Average Percent Water Saturation	37.5
Average Oil Content, Bbls./A. Ft.	538.
Total Oil Content, Bbls./Acre	5,756.

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LOG

Name Susmio Oil Co. Lease Light Well No. 15-C

<u>Depth Interval, Feet</u>	<u>Description</u>
901.0 - 911.7	Light brown and gray laminated slightly calcareous sandstone and shale.
911.7 - 912.0	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Susmio Oil Co. Lease Light Well No. 15-C

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	901.5	8.7	26	70	96	175	Imp.	1.0	1.0	175	0.00
2	902.5	10.3	48	50	98	384	0.52	1.0	2.0	384	0.52
3	903.5	16.4	49	24	73	623	5.6	1.0	3.0	623	5.60
4	904.5	15.5	58	22	80	697	1.5	1.0	4.0	697	1.50
5	905.5	16.7	23	46	69	298	11.	1.0	5.0	298	11.00
6	906.4	11.6	58	40	98	522	4.4	1.0	6.0	522	4.40
7	907.5	14.9	27	41	68	312	7.2	1.0	7.0	312	7.20
8	908.6	18.8	73	16	89	1065	6.0	1.0	8.0	1065	6.00
9	909.4	14.7	68	26	94	776	Imp.	1.0	9.0	776	0.00
10	910.5	14.8	64	21	85	735	Imp.	1.0	10.0	735	0.00
11	911.5	13.0	24	65	89	242	Imp.	0.7	10.7	169	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Light	Well No.	15-C
Susmio Oil Co.				
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
	901.0 - 911.7	7.0	5.2	36.22
	Depth Interval, Feet	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
	901.0 - 911.7	14.2	47.7	538
				Total Oil Content Bbls./Acre
	901.0 - 911.7	10.7	37.5	5,756