



# OILFIELD RESEARCH LABORATORIES

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

May 3, 1979

Petroleum Producers of Chanute, Inc.  
Box 211  
910 West Elm  
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Cooper Lease, Well No. 3, Wilson County, Kansas, and submitted to our laboratory on April 27, 1979.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Benjamin R. Pearman*  
Benjamin R. Pearman

BRP:cgb

5 c to Chanute, Kansas



## OILFIELD RESEARCH LABORATORIES

- LOG -

Company Petroleum Producers  
of Chanute, Inc. Lease Cooper Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
942.0 - 948.0	Grayish light brown sandstone.
948.0 - 948.7	Grayish light brown very shaly sandstone.
948.7 - 949.2	Dark gray and white laminated sandstone and shale.
949.2 - 950.0	Grayish light brown very shaly sandstone.
950.0 - 958.3	Gray sandy shale.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Petroleum Producers of Chanute, Inc. Lease Cooper Well No. 3

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	942.5	18.0	10	45	55	140	4.0	1.0	1.0	140	4.00
2	943.5	14.1	16	56	72	175	10.	1.0	2.0	175	10.00
3	944.5	10.7	25	66	91	208	3.7	1.0	3.0	208	3.70
4	945.5	14.5	20	53	73	225	45.	1.0	4.0	225	45.00
5	946.5	12.7	19	64	83	187	8.6	1.0	5.0	187	8.60
6	947.5	11.1	14	76	90	121	4.4	1.0	6.0	121	4.40
7	948.5	14.7	18	66	84	205	0.18	0.7	6.7	144	0.13
8	949.5	9.8	8	87	95	61	0.39	0.8	7.5	49	0.31

# Oilfield Research Laboratories

## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Petroleum Producers of Chanute, Inc. Lease Cooper Well No. 3

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
942.0 - 950.0	7.5	10.2	76.14	16.4	66.0	166	1,249
942.0 - 950.0	7.5			13.2			