



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

August 7, 1965

Thomas Oil Company  
1329 North 9th  
Independence, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Marhoffer Lease, Well No. 1, Wilson County, Kansas, and submitted to our laboratory on August 4, 1965.

This core was sampled and the samples sealed in cans 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:rf

5 c.





Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Thomas Oil Company Lease Marhofer 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	Total			Ft.	Cum. Ft.		
1	275.1	24.7	8	90	98	154	126.	0.6	0.6	92	75.60
2	276.1	23.8	10	87	97	185	101.	1.0	1.6	185	101.00
3	277.1	23.4	9	89	98	163	98.	1.0	2.6	163	98.00
4	278.1	24.1	10	83	93	187	126.	1.0	3.6	187	126.00
5	279.1	24.2	13	77	90	245	98.	1.0	4.6	245	98.00
6	280.1	22.9	30	51	81	533	66.	1.0	5.6	533	66.00
7	281.1	25.1	35	43	78	682	56.	1.0	6.6	682	56.00
8	282.1	23.4	17	72	89	309	82.	1.0	7.6	309	82.00
9	283.1	24.4	30	50	80	569	52.	1.0	8.6	569	52.00
10	284.1	25.0	30	45	75	583	44.	1.0	9.6	583	44.00
11	285.1	23.3	36	44	80	651	826.	1.0	10.6	651	826.00
12	286.1	22.4	35	40	75	608	719.	1.0	11.6	608	719.00
13	287.1	23.2	40	37	77	720	1199.	1.0	12.6	720	1199.00
14	288.1	24.2	40	39	79	754	2185.	1.0	13.6	754	2185.00
15	289.1	24.2	35	43	78	659	138.	1.0	14.6	659	138.00
16	290.1	21.2	9	89	98	148	25.	1.0	15.6	148	25.00
								Total	-----	7,088	

# Oilfield Research Laboratories

## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Thomas Oil Company	Lease	Marhoffer	Well No.	
				1	
Depth Interval, Feet	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
275.0 - 279.6	275.0 - 279.6	4.6	108.3	498.60	872
279.6 - 290.6	279.6 - 290.6	11.0	490.0	5,392.00	6,216
275.0 - 290.6	275.0 - 290.6	15.6	377.5	5,890.60	7,088
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
275.0 - 279.6	4.6	24.0	10.2	84.8	190
279.6 - 290.6	11.0	23.6	30.6	50.2	565
275.0 - 290.6	15.6	23.7	24.6	60.5	454