



# OILFIELD RESEARCH LABORATORIES

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

January 8, 1968

Jackson Brothers  
514 North Main  
Eureka, Kansas 67045

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Jackson Heirs Lease, Well No. 20, Greenwood County, Kansas, and submitted to our laboratory on January 3, 1968.

This core is from a virgin territory and was sampled by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:bjc

6 c. - Eureka, Kansas



Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Jackson Brothers Lease Jackson Heirs Well No. 20

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	2481.5	17.1	38	55	93	504	0.66	1.0	1.0	504	0.66
2	2482.5	16.1	19	55	74	237	0.65	1.0	2.0	237	0.65

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## RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability Millidarcys**	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbbs./A. Ft.	%	Bbbs./A. Ft.	% Oil	% Water	Bbbs./A. Ft.			
1	2481.5	16.7	35	454	0	0	35	60	454	0	Imp.	-
2	2482.5	16.4	20	254	0	0	20	58	254	0	Imp.	-

Company Jackson Brothers Lease Jackson Heirs Well No. 20

Notes: cc—cubic centimeter.

\*—Volume of water recovered at the time of maximum oil recovery.

\*\*—Determined by passing water through sample which still contains residual oil.

**Oilfield Research Laboratories**  
**RESULTS OF WATER DIFFERENTIATION TESTS**  
**TABLE VI**

Company Jackson Brothers Lease Jackson Heirs Well No. 20

Sample No.	Depth, Feet	Chloride Content of Brine in Sand ppm	Percent Connate	Water Saturation Drilling & Foreign	Total
1	2481.5	104,850			
2	2482.5	117,750			

Note: ppm — parts per million