



# OILFIELD RESEARCH LABORATORIES

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

September 13, 1979

Grass Roots Petroleum Company  
Box 888  
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Leon Corbett Lease, Well No. J-1, Neosho County, Kansas, and submitted to our laboratory on September 6, 1979.

The 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:km  
5 c to Chanute, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION



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## LOG

Company Grass Roots Petroleum Company Lease Leon Corbett Well No. J-1

<u>Depth Interval, Feet</u>	<u>Description</u>
745.0 - 748.1	Dark brown sandstone.
748.1 - 748.8	Black carbonaceous sandstone.
748.8 - 750.3	Brown and gray laminated shaly sandstone.
750.3 - 750.8	Gray carbonaceous sandstone.
750.8 - 751.2	Gray sandy shale.
751.2 - 752.0	Gray carbonaceous sandstone.
752.0 - 753.7	Brown and gray laminated shale and carbonaceous sandstone.
753.7 - 761.0	Gray slightly laminated sandy shale.

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## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Grass Roots Petroleum Company Lease Leon Corbett Well No. J-1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
1	745.5	19.5	40	39	605	346.	1.0	1.0	605	346.00
2	746.5	21.4	37	50	614	203.	1.0	2.0	614	203.00
3	747.5	21.7	39	38	657	141.	1.1	3.1	724	155.10
4	748.5	21.1	64	20	1,048	5.4	0.7	3.8	734	3.78
5	749.5	13.4	30	55	312	Imp.	1.5	5.3	469	0.00
6	750.5	17.5	29	42	394	11.	0.5	5.8	197	5.50
7	751.5	20.9	63	13	1,022	35.	0.8	6.6	818	28.00
8	752.5	12.8	51	24	506	Imp.	1.0	7.6	506	0.00
9	753.5	13.0	37	23	373	0.48	0.7	8.3	261	0.34

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.				
Grass Roots Petroleum Company	Leon Corbett	J-1				
			Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
			745.0 - 753.7	5.8	127.9	741.72
			Depth Interval, Feet	Feet of Core Analyzed	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
			745.0 - 753.7	8.3	17.7	594
					Average Percent Oil Saturation	Total Oil Content Bbls./Acre
					42.3	4,928
					36.0	