

OILFIELD RESEARCH LABORATORIES

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

July 27, 1982

Lowe & Roberts
Colonial Bldg.
Olathe, Kansas 66061

Gentlemen:

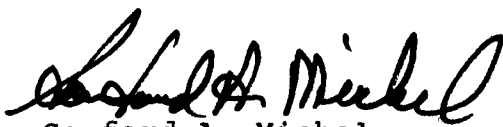
Attached hereto are the results of tests run on the rotary core taken from the Williams Lease, Well No. 3, located in the Southwest $\frac{1}{4}$, in Section 19, T-14S, R-24E, in Johnson County, Kansas.

The core was sampled and sealed in plastic bags, except for sample No. 2, which was received unbagged. The core was submitted to our laboratory by a representative of the client on July 23, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/dlb

3 c to Lowe & Roberts
2 c to Elmer Sieg

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIESLOGName Lowe & Roberts Lease Williams Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>3RD SQUIRREL</u>
708.0 - 709.0	Brown sandstone with scattered gray shale partings.
709.0 - 711.0	Brown sandstone with micaceous partings (core ground up).
711.0 - 711.3	Brown sandstone.
711.3 - 711.7	Gray shale.
711.7 - 714.0	Brown sandstone.
714.0 - 714.7	Brown sandstone with shale and micaceous partings.
714.7 - 716.6	Gray shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

Company Lowe & Roberts Lease Williams Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	708.5	23.1	48	36	84	860	13.
* 2	709.5	22.9	45	20	65	800	19.
3	710.7	25.6	36	34	70	715	25.
4	711.9	24.2	40	34	74	751	33.
5	712.5	25.7	44	34	78	877	33.
6	713.5	26.5	63	17	80	1295	110.
7	714.4	25.0	51	25	76	989	19.

Note: * Sample received unbagged.