



OILFIELD RESEARCH LABORATORIES

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

August 1, 1981

Rainbow Oil Company (Magnum)
Rural Route #2, Box 139A
Neodesha, Kansas 66757

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Merrill Frankenberg Lease, Well No. 3, located 150' South and 810' West of the Northeast corner of the Northwest $\frac{1}{4}$ in Section 25, T-29S, R-17E, in Wilson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on July 30, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/pdc

5 c to Neodesha, Kansas

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LOG

Name Rainbow Oil Co. Lease Merrill Frankberry Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
870.0 - 871.8	Grayish light brown very shaly sandstone.
871.8 - 873.1	Dark brown sandstone.
873.1 - 875.4	Grayish light brown very shaly sandstone.
875.4 - 883.7	Brown sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Rainbow Oil Company Lease Merrill Frankenberg Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	870.5	14.0	29	64	93	315	Imp.
2	871.4	13.4	25	63	88	260	Imp.
3	872.6	20.4	37	42	79	586	62.
4	873.5	9.3	7	67	74	51	Imp.
5	874.5	14.2	31	65	96	342	Imp.
6	875.5	21.9	37	33	70	629	324.
7	876.6	19.7	35	43	78	535	399.
8	877.6	20.6	33	35	68	527	371.
9	878.7	19.3	30	46	76	449	137.
10	879.6	19.7	31	44	75	474	58.
11	880.5	19.9	33	29	62	510	346.
12	881.6	21.0	30	38	68	489	384.
13	882.6	17.8	34	36	70	470	92.
14	883.4	15.7	40	35	75	487	21.