



OILFIELD RESEARCH LABORATORIES

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

August 7, 1981

C. W. Barnes
R R 1
Caney, Kansas 67333

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Moor Lease, Well No. 1, located in the South $\frac{1}{2}$ of the Northeast $\frac{1}{4}$ in Section 21, T-34S, R-12E, in Chautauqua County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on August 6, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Caney, Kansas

- REGISTERED ENGINEERS -

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

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LOG

Name C. W. Barnes Lease Moor Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>PERU SAND</u>
966.0 - 967.1	Grayish brown slightly calcareous shaly sandstone.
967.1 - 970.3	Grayish light brown slightly calcareous slightly shaly sandstone.
970.3 - 972.7	Brown slightly calcareous sandstone.
972.7 - 976.0	Grayish black slightly calcareous slightly carbon- aceous shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company C. W. Barnes Lease Moor Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	966.5	12.8	12	80	92	119	Imp.
2	967.5	12.3	14	73	87	134	9.6
3	968.6	11.0	24	70	94	205	4.2
4	969.6	9.8	24	67	91	183	4.5
5	970.5	11.3	15	67	82	132	11.
6	971.4	17.3	20	50	70	268	60.
7	972.5	18.8	25	55	80	365	39.
8	973.6	18.5	43	26	69	617	1.8
9	974.5	19.4	35	30	65	527	1.3
10	975.3	17.1	40	35	75	531	0.66