



OILFIELD RESEARCH LABORATORIES

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

July 29, 1982

Eighty One Oil Exploration Company
1415 North Nelson
Olathe, Kansas 66061

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Renner Lease, Well No. 81-4, located in Section 16, T-17S, R-22E, in Miami 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 24, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/dlb

5 c to Olathe, Kansas

- REGISTERED ENGINEERS -

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

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LOG

Name Eighty One Oil Exploration Company Lease Renner Well No. 81-4

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>CATTLEMAN SAND</u>
521.0 - 521.7	Brown shaly sandstone.
521.7 - 523.0	Brown sandstone with gray shale partings.
523.0 - 523.6	Alternate layers gray shale and brown sandstone.
523.6 - 525.9	Brown sandstone.
525.9 - 526.2	Grayish brown shaly sandstone.
526.2 - 528.5	Brown sandstone with scattered gray shale partings.
528.5 - 528.9	Gray shale.
528.9 - 530.9	Brown sandstone.
530.9 - 533.0	Grayish brown very shaly sandstone.
533.0 - 534.3	Gray very shaly sandstone.

Oilfield Research Laboratories
RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company 81 Oil Exploration Co. Lease Renner Well No. 81-4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	521.4	17.8	40	44	84	552	5.2
2	522.6	21.8	32	31	63	541	39.
3	523.7	23.8	43	18	61	794	105.
4	524.5	23.4	36	45	81	654	22.
5	525.5	23.8	37	28	65	683	60.
6	526.5	21.5	53	34	87	884	13.
7	527.4	22.3	33	33	66	571	26.
8	528.3	23.2	39	33	72	702	78.
9	529.4	22.9	42	26	68	746	31.
10	530.7	22.1	51	20	71	874	31.
11	531.4	15.2	19	72	91	224	0.30
12	532.5	11.5	24	71	95	214	Imp.
13	533.5	13.6	9	88	97	95	Imp.