



OILFIELD RESEARCH LABORATORIES

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

June 9, 1982

Judy Oil Company
P.O. Box 204
Yates Center, Kansas 66783

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Sommers Lease, Well No. 4, located in Section 9, T-28S, 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 June 8, 1982.

Your business is greatly appreciated.

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/dlb

5 c to Yates Center, Kansas

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIES

LOGName Judy Oil Company Lease Sommers Well No. 4

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>LOWER BARTLESVILLE SAND</u>
950.0 - 951.0	Grayish brown very shaly sandstone.
951.0 - 952.0	Brown sandstone.
952.0 - 952.7	Gray and brown laminated shale and sandstone.
952.7 - 953.6	Brown sandstone with scattered gray shale partings.
953.6 - 954.7	Brown shaly sandstone.
954.7 - 955.7	Brown slightly shaly sandstone.
955.7 - 970.3	Brown sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Judy Oil Company Lease Sommers Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	950.6	13.3	42	43	85	433	0.25
2	951.6	20.7	27	35	62	434	13.
3	952.5	17.0	46	41	87	607	1.6
4	953.5	20.4	32	36	68	506	19.
5	954.5	14.2	25	42	67	275	3.9
6	955.6	16.0	31	36	67	385	7.5
7	956.6	19.4	20	42	62	301	52.
8	957.6	19.8	34	36	70	522	14.
9	958.5	19.9	36	33	69	556	13.
10	959.5	20.2	32	35	67	502	42.
11	960.5	20.5	35	31	66	557	54.
12	961.5	16.3	30	48	78	379	11.
13	962.4	19.5	29	33	62	439	26.
14	963.4	21.5	39	22	61	651	118.
15	964.6	19.7	31	36	67	474	44.
16	965.5	22.3	34	31	65	588	118.
17	966.6	21.0	38	22	60	619	69.
18	967.5	21.6	31	32	63	520	46.
19	968.4	20.2	33	33	66	517	38.
20	969.4	21.7	34	26	60	572	49.