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

January 17, 1980

Hillenburg Oil Company
116th Street & South Lynn Lane Road
Broken Arrow, Oklahoma 74012

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Humphrey Lease, Well No. 45, located in S-36, T-24S R-21E, in Bourbon County, Kansas.

The core was sampled and sealed in plastic bags by representative of the client and submitted to our laboratory on January 9, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem
3 c to Broken Arrow, Oklahoma
2 c to Bronson, Kansas

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Hillenburg Oil Company **Lease** Humphrey **Well No.** 45

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	644.5	13.2	19	72	91	195	0.30
2	645.5	13.3	24	71	95	248	0.20
3	646.5	11.7	10	83	93	91	Imp.
4	647.5	12.2	11	85	96	104	5.4
5	648.5	23.3	20	57	77	362	22.
6	649.5	21.9	21	67	88	357	68.
7	650.5	22.7	23	65	88	405	216.
8	651.5	23.4	26	59	85	472	115.
9	652.5	19.8	30	54	84	461	208.
10	653.5	19.7	37	55	92	566	129.
11	654.5	23.4	33	52	85	599	174.
12	655.5	22.8	32	48	80	566	77.
13	656.5	17.5	32	53	85	434	34.
14	657.5	22.9	31	49	80	551	114.
15	658.5	23.3	36	53	89	651	200.
16	659.5	20.5	29	54	83	461	115.

LOG

Name Hillenburg Oil Company Lease Humphrey Well No. 45

Depth Interval, Feet	Description
	BARTLESVILLE SAND
644.0 - 647.3	Light brown and gray laminated sandstone and shale.
647.3 - 648.0	Very light brown shaly sandstone.
648.0 - 660.1	Brown sandstone.
660.1 - 660.9	Coal.
660.9 - 662.0	Gray shale.