



OILFIELD RESEARCH LABORATORIES

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

July 27, 1982

Production Unlimited
R. R. # 2, Box 23
Mapleton, Kansas 66754

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Zimmerman Lease, Well No. 2, located in the Northwest $\frac{1}{4}$, in Section 8, T-~~24S~~^{25S}, R-24E, in Bourbon 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 23, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/dlb

5 c to Mapleton, Kansas

OILFIELD RESEARCH LABORATORIES

LOGName Production Unlimited Lease Zimmerman Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
---------------------------------	--------------------

BARTLESVILLE SAND

372.0 - 373.0	Grayish brown very shaly sandstone.
373.0 - 374.0	Brown sandstone.
374.0 - 375.1	Gray and brown laminated shale and sandstone.
375.1 - 375.5	Brown shaly sandstone.
375.5 - 376.3	Gray shale.
376.3 - 380.0	Brown sandstone with scattered gray shale partings.
380.0 - 380.5	Grayish brown very shaly sandstone.
380.5 - 384.5	No core.
384.5 - 386.7	Brown sandstone.
386.7 - 387.0	Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Production Unlimited Lease Zimmerman Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	372.5	15.4	50	35	85	597	0.51
2	373.7	20.1	38	16	54	593	26.
3	374.6	24.0	48	28	76	894	35.
4	375.4	17.8	14	40	54	193	4.6
5	376.4	17.0	23	43	66	303	16.
6	377.5	22.4	35	31	66	608	81.
7	378.4	20.7	35	29	64	562	49.
8	379.6	22.6	36	23	59	631	144.
9	380.2	10.8	25	64	89	209	Imp.
10	384.8	20.8	19	32	51	307	40.
11	385.5	23.4	33	29	62	599	136.
12	386.4	20.1	36	24	60	561	58.