



OILFIELD RESEARCH LABORATORIES

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

November 17, 1980

Willis Parrish
Rural Route #3
Iola, Kansas 66749

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Parrish Lease, Well No. 4, Allen County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 8, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/tem

5 c to Iola, Kansas

T25S, R18E, Sec. 11

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIES

Name Willis Parrish Lease Parrish Well No. 4Depth Interval,
FeetDescription

SQUIRREL SAND

676.0 - 682.0 Brown shaly slightly calcareous sandstone.

BARTLESVILLE SAND

934.0 - 939.0 Brown sandstone.

939.0 - 940.6 Brown slightly calcareous sandstone.

940.6 - 942.8 Light brown and gray laminated sandstone and shale.

942.8 - 944.0 Gray sandy shale.

944.0 - 945.3 Light brown slightly calcareous sandstone.

945.3 - 946.8 Gray sandy shale.

946.8 - 947.6 Brown and gray conglomeratic sandstone and shale.

947.6 - 948.4 Brown slightly calcareous sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Willis Parrish Lease Parrish Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
			<u>SQUIRREL SAND</u>				
1	676.5	14.1	34	46	80	372	0.58
2	677.5	14.2	24	57	81	264	0.92
3	678.5	7.2	51	38	89	289	Imp.
4	679.5	14.5	38	47	85	428	0.95
5	680.5	15.9	29	44	73	358	1.4
6	681.5	15.6	46	32	78	557	1.8
			<u>BARTLESVILLE SAND</u>				
7	934.5	19.1	42	42	84	622	82.
8	935.5	19.3	41	41	82	614	32.
9	936.5	20.4	40	43	83	633	62.
10	937.5	19.1	38	46	84	563	14.
11	938.5	19.3	34	47	81	509	19.
12	939.5	21.7	34	35	69	572	73.
13	940.5	23.0	42	39	81	749	56.
14	941.5	18.8	25	50	75	365	39.
15	942.5	13.6	19	78	97	201	20.
16	944.5	21.4	19	49	68	315	74.