OILFIELD RESEARCH LABORATORIES

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

August 25, 1982

Williams Production Company
113 South Kansas
Olathe, Kansas 66061

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the McCann "A" Lease, Well No. 30, located 1,000' from the North Line and 165' from the West Line in Section 30, T-16S, R-22E, in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and submitted to our laboratory on August 21, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

4 c to Olathe, Kansas
1 c to Rantoul, Kansas

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LOG

Company Williams Production Company Lease McCann "A" Well No. 30

Depth Interval, Feet	Description
	SQUIRREL SANDSTONE
661.0 - 662.0	Light brown slightly shaly sandstone.
662.0 - 664.0	Light brown sandstone.
664.0 - 664.7	Light brown slightly shaly sandstone.
664.7 - 666.0	Light brown sandstone.
666.0 - 666.9	Grayish brown very shaly sandstone.
666.9 - 669.7	Brown sandstone.
669.7 - 670.9	Alternate layers gray and brown shale and sandstone.
670.9 - 672.0	Brown sandstone.
672.0 - 676.0	Grayish brown very shaly sandstone.
676.0 - 677.0	Grayish brown shaly sandstone.
677.0 - 681.0	Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Williams Production Co. **Lease** McCann "A" **Well No.** 30

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	661.5	22.4	22	37	59	382	8.3
2	662.5	21.7	16	44	60	269	18.
3	663.6	23.1	18	44	62	323	27.
4	664.7	19.4	21	45	66	316	6.8
5	665.6	22.1	23	37	60	394	23.
6	666.5	14.1	25	53	78	273	Imp.
7	667.5	21.6	31	35	66	520	23.
8	668.6	20.0	32	40	72	497	10.
9	669.6	20.5	38	33	71	604	12.
10	670.8	19.0	37	36	73	545	4.2
11	671.5	19.7	39	33	72	596	14.
12	672.3	18.4	35	45	80	500	0.48
13	673.6	14.9	17	57	74	197	Imp.
14	674.7	14.8	26	53	79	299	0.63
15	675.6	14.3	19	69	88	211	Imp.
16	676.5	14.3	25	72	97	277	1.2