



OILFIELD RESEARCH LABORATORIES

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

February 9, 1982

Prairie Production
R R 3, Box 13
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Smith Lease, Well No. A-4, located in Section 17, T-26S, R-18E, in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on February 8, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

OILFIELD RESEARCH LABORATORIES

LOGName Prairie Production Lease Smith Well No. A-4

<u>Depth Interval, Feet</u>	<u>Description</u>
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LOWER BARTLESVILLE

928.0 - 930.7	Brown sandstone with scattered fine shale partings.
930.7 - 931.4	Brown sandstone with fine shale and limestone nodules.
931.4 - 933.0	Brown sandstone.
933.0 - 934.4	Gray and light brown laminated shale and sandstone.
934.4 - 936.4	Light brown sandstone with scattered shale partings.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Prairie Production Lease Smith Well No. A-4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	928.5	18.7	30	46	76	435	49.
2	929.4	28.2	33	46	79	517	60.
3	930.4	19.9	36	35	71	556	47.
4	931.6	17.5	28	45	73	388	89.
5	932.6	20.3	36	32	68	642	127.
6	933.5	13.0	16	80	96	161	4.0
7	934.5	16.9	15	82	97	197	21.
8	935.6	19.4	22	52	74	331	23.
9	936.3	28.9	15	59	74	243	35.