



OILFIELD RESEARCH LABORATORIES

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

May 18, 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-2, 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 May 17, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

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LOGName Prairie Production Lease Smith Well No. A-2

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

804.0 - 805.0	Brown slightly shaly sandstone.
805.0 - 805.7	Gray sandy limestone.
805.7 - 806.3	Brown very shaly sandstone.
806.3 - 807.2	Brown sandstone.
807.2 - 808.0	Alternate layers gray shale and brown sandstone.
808.0 - 809.2	Gray very shaly sandstone.
809.2 - 811.3	Grayish brown very shaly sandstone.
811.3 - 812.5	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Prairie Production Lease Smith Well No. A-2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	804.5	14.4	36	46	82	402	6.3
2	805.4	6.8	7	88	95	37	Imp.
3	806.5	14.9	44	33	77	509	10.
4	807.4	15.4	36	40	76	430	10.
5	808.6	14.0	23	59	82	250	0.65
6	809.5	8.4	29	65	94	189	Imp.
7	810.4	13.9	25	66	91	270	0.36