



OILFIELD RESEARCH LABORATORIES

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

November 26, 1982

Prairie States Oil & Gas Production Company
c/o John Badrian
P. O. Box 774
Iola, Kansas 66749

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Carson Lease, Well No. 3, located 1320' from the North Line and 495' from the East Line in Section 7, T-27S, R-20E, Neosho County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 23, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Iola, Kansas

OILFIELD RESEARCH LABORATORIESLOGCompany Prairie States Oil & Gas Production Co. Lease Carson Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SANDSTONE</u>
628.0 - 633.5	Grayish brown very shaly sandstone.
633.5 - 643.0	Light brown sandstone with widely scattered fine gray shale and mica partings.
643.0 - 645.3	Brown sandstone.
645.3 - 645.6	Grayish brown very shaly sandstone.
645.6 - 646.0	Brown sandstone.
646.0 - 648.7	Dark brown sandstone.
648.7 - 649.4	Gray shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Prairie States Oil & Gas Production Lease Carson Well No. 3
Company

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	628.5	12.3	31	27	58	296	Imp.
2	629.8	9.5	20	24	44	147	Imp.
3	631.7	9.4	8	57	65	58	Imp.
4	633.7	17.1	15	33	48	199	15.
5	634.4	15.3	15	60	75	178	37.
6	635.7	19.0	14	43	57	206	89.
7	636.7	20.1	18	40	58	281	127.
8	637.5	17.5	28	37	65	380	44.
9	638.4	15.8	23	48	69	282	25.
10	639.5	18.4	24	31	55	343	42.
11	640.3	17.7	28	25	53	385	44.
12	641.3	18.8	26	28	54	379	58.
13	642.3	20.3	26	22	48	410	108.
14	643.7	18.8	30	28	58	438	42.
15	644.6	17.0	45	17	62	594	39.
16	645.8	15.9	37	31	68	456	15.
17	646.5	20.1	52	21	73	811	153.
18	647.4	21.3	50	14	64	826	181.
19	648.2	21.4	44	21	65	731	314.