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

October 14, 1980

Prairie Energy Corporation
7675 Canterbury
Shawnee Mission, Kansas 66203

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Bendorf Lease, Well No. 4, Miami County, Kansas and submitted to our laboratory on August 13, 1980.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/ks

5 c to Shawnee Mission, Kansas

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GENERAL INFORMATION & SUMMARY

Company Prairie Energy Corporation Lease Bendorf Well No. 4

Location -

Section 11 Twp. 16S Rge. 24E County Miami State Kansas

Elevation, Feet	-
Name of Sand	Peru
Top of Core	410.0
Bottom of Core	424.0
Top of Sand	410.0
Bottom of Sand	422.8
Total Feet of Permeable Sand	11.4

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 20	4.5	4.5
50 - 100	4.1	8.6
120 - 170	1.8	10.4
200 - 230	1.0	11.4

Average Permeability Millidarcys	72.9
Average Percent Porosity	15.7
Average Percent Oil Saturation	35.5
Average Percent Water Saturation	54.9
Average Oil Content, Bbls./A. Ft.	421.
Total Oil Content, Bbls./Acre	4,794.

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LOG

Name Prairie Energy Corporation Lease Bendorf Well No. 4

Depth Interval, Feet	Description
410.0 - 411.3	Hard brown very calcareous sandstone.
411.3 - 413.0	Brown calcareous sandstone.
413.0 - 413.5	Brown calcareous slightly shaly sandstone.
413.5 - 416.2	Brown slightly calcareous sandstone.
416.2 - 418.9	Brown and gray laminated slightly calcareous sandstone and shale.
418.9 - 419.4	Brown calcareous sandstone.
419.4 - 420.4	Hard gray limestone.
420.4 - 421.3	Brown calcareous sandstone.
421.3 - 421.7	Grayish brown shaly calcareous sandstone.
421.7 - 422.8	Brown slightly calcareous sandstone.
422.8 - 423.6	Hard gray limestone.
423.6 - 424.0	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Prairie Energy Corporation Lease Bendorf Well No. 4

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	410.4	14.3	58	40	98	643	4.7	1.3	1.3	836	6.11
2	411.5	16.5	32	61	93	410	169.	0.7	2.0	287	118.30
3	412.4	19.9	26	69	95	401	226.	1.0	3.0	401	226.00
4	413.3	10.1	52	45	97	408	8.3	0.5	3.5	204	4.15
5	414.4	11.5	40	47	87	357	50.	1.0	4.5	357	50.00
6	415.5	21.9	32	53	85	544	96.	1.7	6.2	925	163.20
7	416.4	14.3	8	78	86	89	0.19	1.0	7.2	89	0.19
8	417.4	15.3	18	71	89	214	10.	0.7	7.9	150	7.00
9	418.2	18.2	37	58	95	522	13.	1.0	8.9	522	13.00
10	419.3	19.5	45	43	88	681	50.	0.5	9.4	341	25.00
11	420.7	8.5	41	56	97	270	62.	0.9	10.3	243	55.80
12	421.8	15.8	42	35	77	515	169.	0.5	10.8	258	84.50
13	422.6	10.5	37	46	83	301	130.	0.6	11.4	181	78.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Prairie Energy Corporation Lease Bendorf Well No. 4

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
410.0 - 422.8	11.4	72.9	831.25

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
410.0 - 422.8	11.4	15.7	35.5	54.9	421	4,794