



OILFIELD RESEARCH LABORATORIES

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

May 15, 1981

Burlington Oil Company
2606 Long Blvd.
Raymore, Missouri 64038

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Gardner Lease, Well No. 22, located in the Southeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ in Section 26, T-36S, R-11E, in Chautauqua County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and were received in our laboratory on May 12, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

1 c to Raymore, Missouri
4 c to Littleton, Colorado

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

OILFIELD RESEARCH LABORATORIESLOGName Burlington Oil Company Lease Gardner Well No. 22

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

908.0 - 910.8	Light brown slightly calcareous shaly sandstone.
910.8 - 912.2	Brown slightly calcareous slightly shaly sandstone.
912.2 - 913.9	Light brown slightly calcareous shaly sandstone.
913.9 - 914.7	Light brown slightly calcareous slightly shaly sandstone.
914.7 - 916.0	Light brown shaly sandstone.
916.0 - 919.0	Gray laminated sandstone and shale.

PERU SAND

1109.0 - 1110.9	Brown slightly calcareous sandstone.
1110.9 - 1113.7	Brown slightly calcareous shaly sandstone.
1113.7 - 1117.1	Brown slightly calcareous sandstone.
1117.1 - 1118.2	Light brown slightly calcareous sandstone.
1118.2 - 1122.1	Brown slightly calcareous sandstone.
1122.1 - 1123.0	Grayish light brown shaly sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Burlington Oil Co. Lease Gardner Well No. 22

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
	<u>REDD SAND</u>						
1	908.5	15.3	17	57	74	202	7.1
2	909.5	14.9	10	75	85	116	4.9
3	910.5	17.6	28	44	72	382	6.6
4	911.5	18.3	52	24	76	738	9.2
5	912.5	14.5	13	58	71	146	3.6
6	913.4	16.5	50	30	80	640	5.0
7	914.5	16.4	14	54	68	178	9.2
8	915.5	15.2	42	47	89	495	4.6
9	916.5	14.2	24	71	95	264	0.98
	<u>PERU SAND</u>						
10	1109.4	17.6	25	44	69	341	25.
11	1110.6	16.7	25	50	75	324	19.
12	1111.5	14.4	56	35	91	626	4.0
13	1112.5	13.8	46	48	94	493	4.0
14	1113.5	16.2	37	50	87	465	9.9
15	1114.5	16.7	37	38	75	479	24.
16	1115.5	16.7	25	47	72	324	37.
17	1116.5	16.4	48	32	80	611	24.
18	1117.5	18.5	18	33	51	258	92.
19	1118.5	17.4	34	37	71	459	68.
20	1119.5	15.8	23	61	84	282	11.
21	1120.5	19.8	39	29	68	599	64.
22	1121.5	18.0	47	35	82	656	36.
23	1122.4	9.7	24	70	94	180	Imp.