OILFIELD RESEARCH LABORATORIES
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July 8, 1980

Gator Oil Company
2326 S. Congress Avenue
Suite 1-B
West Palm Beach, Florida 33406

Gentlemen:

Enclosed herewith is the report of the analysis of the rotary core taken from the Brewster Lease, Well No. 1, Montgomery County, Kansas, and submitted to our laboratory on May 16, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem

4 c to West Palm Beach, Florida
1 c to Jerry Anderson, Caney, Kansas

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GENERAL INFORMATION & SUMMARY

Company Gator Oil Company Lease Brewster Well No. 1

Location 330' FNL & 500' FEL NW¼

Section 34 Twp. 34S Rge. 14E County Montgomery State Kansas

Elevation, Feet - - - - - - - - - - - - - - - -

Name of Sand	Wiser
Top of Core	760.0
Bottom of Core	778.0
Top of Sand	761.1
Bottom of Sand	777.1
Total Feet of Permeable Sand	15.3
Total Feet of Floodable Sand	0.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	4.5	4.5
1 - 5	6.3	10.8
5 - 10	3.7	14.5
20 - 30	0.8	15.3

Average Permeability Millidarcys	4.1
Average Percent Porosity	15.2
Average Percent Oil Saturation	19.5
Average Percent Water Saturation	58.7
Average Oil Content, Bbls./A. Ft.	232.
Total Oil Content, Bbls./Acre	3,708.
Average Percent Oil Recovery by Laboratory Flooding Tests	0
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	0
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	0
Total Calculated Oil Recovery, Bbls./Acre	0

The core was sampled and the samples sealed in plastic bags by a representative of the client. Fresh water mud was used as a drilling fluid. The core was reported to be from a semi-virgin area.

Since the core did not respond to flooding susceptability tests, no calculated recovery is given.

FORMATION CORED

The detailed log of the formation cored is as follows:

Depth Interval, Feet	Description
760.0 - 761.1	Gray sandy shale.
761.1 - 763.0	Brown shaly slightly calcareous sandstone.
763.0 - 763.8	Grayish brown very shaly sandstone.
763.8 - 765.1	Brown shaly very calcareous sandstone.
765.1 - 769.3	Brown shaly slightly calcareous sandstone.
769.3 - 770.1	Brown slightly calcareous sandstone.
770.1 - 771.8	Brown slightly shaly slightly calcareous sandstone.
771.8 - 777.1	Grayish brown shaly sandstone.
777.1 - 778.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Gator Oil Company Lease Brewster Well No. 1

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	761.5	14.1	22	47	69	241	1.8	1.0	1.0	241	1.80
2	762.5	14.5	31	52	83	349	3.9	1.0	2.0	349	3.90
3	763.5	12.7	14	74	88	138	Imp.	0.7	2.7	97	0.00
4	764.5	10.5	18	77	95	147	4.1	1.3	4.0	191	5.33
5	765.5	18.9	28	49	77	411	0.30	1.4	5.4	575	0.42
6	767.5	15.2	17	55	72	201	5.9	1.5	6.9	302	8.85
7	768.5	14.8	17	64	81	195	2.8	1.3	8.2	254	3.64
8	769.5	18.1	21	53	74	295	22.	0.8	9.0	236	17.60
9	770.5	17.2	27	55	82	360	7.7	1.0	10.0	360	7.70
10	771.5	19.0	19	52	71	280	3.9	0.7	10.7	196	2.73
11	772.5	16.2	16	67	83	201	6.1	1.2	11.9	241	7.32
12	773.5	16.4	8	52	60	102	0.60	1.0	12.9	102	0.60
13	774.5	14.0	10	73	83	109	0.89	1.0	13.9	109	0.89
14	775.5	16.1	17	67	84	212	1.2	1.0	14.9	212	1.20
15	776.8	11.4	25	44	69	221	0.44	1.1	16.0	243	0.48

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Gator Oil Company Lease Brewster Well No. 1

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
761.1 - 770.1	9.3	5.3	49.24
770.1 - 777.1	6.0	2.2	13.22
761.1 - 777.1	15.3	4.1	62.46

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
761.1 - 770.1	10.0	15.1	21.7	58.3	261	2,605
770.1 - 777.1	6.0	15.3	15.8	59.5	184	1,103
761.1 - 777.1	16.0	15.2	19.5	58.7	232	3,708

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RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

Company Gator Oil Company Lease Brewster Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability Millidarcys**	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbls./A. Ft.	%	Bbls./A. Ft.	% Oil	% Water	Bbls./A. Ft.			
1	761.5	14.4	21	234	0	0	21	49	234	0	Imp.	-
2	762.5	14.4	31	346	0	0	31	54	346	0	Imp.	-
3	763.5	13.0	14	141	0	0	14	74	141	0	Imp.	-
4	764.5	10.5	18	147	0	0	18	78	147	0	Imp.	-
5	765.5	19.0	28	413	0	0	28	62	413	34	0.37	40
6	767.5	14.9	18	208	0	0	18	70	208	12	0.15	45
7	768.5	14.6	17	193	0	0	17	64	193	0	Imp.	-
8	769.5	17.6	22	300	0	0	22	63	300	9	0.15	50
9	770.5	17.0	27	356	0	0	27	59	356	6	0.08	50
10	771.5	18.6	20	289	0	0	20	68	289	6	0.08	50
11	772.5	16.4	16	204	0	0	16	70	204	0	Imp.	-
12	773.5	16.0	9	112	0	0	9	54	112	0	Imp.	-
13	774.5	14.0	10	109	0	0	10	73	109	0	Imp.	-
14	775.5	15.9	17	210	0	0	17	69	210	0	Imp.	-
15	776.8	11.6	25	225	0	0	25	50	225	0	Imp.	-

Notes: cc—cubic centimeter.

*—Volume of water recovered at the time of maximum oil recovery.

**—Determined by passing water through sample which still contains residual oil.