



OILFIELD RESEARCH LABORATORIES

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

September 9, 1980

Rantoul Energy Corporation
Box 516
Hutchinson, Kansas 67501

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Stanbro Lease, Well No. RET-8, Franklin County, Kansas and submitted to our laboratory on June 12, 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 Hutchinson, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Rantoul Energy Corporation Lease Stanbro Well No. RET-8
 Location -
 Section 15 Twp. 17S Rge. 21E County Franklin State Kansas
 OR 22?

Elevation, Feet	-
Name of Sand	Peru
Top of Core	359.0
Bottom of Core	373.8
Top of Sand	359.0
Bottom of Sand	373.2
Total Feet of Permeable Sand	13.6

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 50	1.9	1.9
50 - 100	4.5	6.4
100 - 200	4.2	10.6
200 - 300	2.0	12.6
300 - 400	1.0	13.6

Average Permeability Millidarcys	136.3
Average Percent Porosity	22.3
Average Percent Oil Saturation	33.3
Average Percent Water Saturation	43.9
Average Oil Content, Bbls./A. Ft.	563.
Total Oil Content, Bbls./Acre	7658.

OILFIELD RESEARCH LABORATORIES

LOG

Name Rantoul Energy Corporation Lease Stanbro Well No. RET-8

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
359.0 - 360.0	Brown slightly calcareous sandstone.
360.0 - 361.9	Brown and gray laminated calcareous sandstone and shale.
361.9 - 363.8	Brown calcareous sandstone.
363.8 - 364.4	Hard gray limestone.
364.4 - 373.2	Brown calcareous sandstone.
373.2 - 373.8	Hard gray limestone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Rantoul Energy Corporation Lease Stanbro Well No. RET-8

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	359.5	16.0	42	52	94	521	56.	1.0	1.0	521	56.00
2	360.3	22.3	23	28	51	398	11.	1.9	2.9	756	20.90
3	362.5	20.9	21	64	85	341	99.	1.1	4.0	375	108.90
4	363.5	23.3	38	30	68	687	58.	0.8	4.8	550	46.40
5	364.5	15.8	49	43	92	601	68.	0.6	5.4	481	54.40
6	365.5	22.0	35	48	83	597	141.	1.0	6.4	597	141.00
7	366.5	25.0	24	44	68	466	231.	1.0	7.4	466	231.00
8	367.5	22.6	38	53	91	666	150.	1.0	8.4	666	150.00
9	368.5	24.1	39	44	83	729	253.	1.0	9.4	729	253.00
10	369.7	25.8	37	39	76	741	89.	1.0	10.4	741	89.00
11	370.5	24.4	35	47	82	663	181.	1.0	11.4	663	181.00
12	371.5	23.3	31	28	59	560	324.	1.0	12.4	560	324.00
13	372.5	19.8	30	50	80	461	165.	1.2	13.6	553	198.00

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.	RET-8
Rantoul Energy Corporation	Stanbro		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
359.0 - 373.2	13.6	136.3	1853.60
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation
359.0 - 373.2	13.6	33.3	43.9
		Average Percent Porosity	Average Oil Content Bbl./A. Ft.
		22.3	563
			Total Oil Content Bbls./Acre
			7,658