



# OILFIELD RESEARCH LABORATORIES

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

May 8, 1978

Second Hand Drillers  
Shores Plaza  
Eldon, Missouri 65026

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Ridgeway Lease, Well No. 5, Chautauqua County, Kansas, and submitted to our laboratory on May 2, 1978.

This core was sampled by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:ss  
5 c to Eldon, Missouri



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- LOG -

Company Second Hand Drillers Lease Ridgeway Well No. 5

<u>Depth Interval, Feet</u>	<u>Description</u>
934.0 - 937.2	Brown fine grained sandstone.
937.2 - 939.6	Grayish brown shaly sandstone.
939.6 - 944.6	Brown fine grained sandstone.
944.6 - 948.0	Dark carbonaceous sandstone.
948.0 - 951.4	Dark and gray carbonaceous sandstone.

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**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1-B**

Company Second Hand Drillers Lease Ridgeway Well No. 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.	Cur. Ft.		
1	934.5	16.7	17	63	80	220	12.	1.0	1.0	230	12.00
2	935.5	17.4	21	60	81	283	26.	1.0	2.0	283	26.00
3	936.5	16.8	21	63	84	273	22.	1.2	3.2	328	26.40
4	937.5	14.5	14	73	87	157	2.5	0.8	4.0	126	2.00
5	938.5	12.7	14	81	95	138	Imp.	1.0	5.0	138	0.00
6	939.5	13.3	22	74	96	227	0.20	0.6	5.6	136	0.12
7	940.5	18.6	21	63	84	303	7.6	1.4	7.0	424	10.64
8	941.5	24.2	46	43	89	863	32.	1.0	8.0	863	32.00
9	942.5	17.4	23	68	91	310	7.7	1.0	9.0	310	7.70
10	943.5	17.5	30	58	88	407	8.7	1.0	10.0	407	8.70
11	944.5	17.0	43	43	86	566	0.48	0.6	10.6	340	0.29
12	945.5	16.0	45	45	90	557	0.16	1.4	12.0	780	0.22
13	946.5	17.4	49	35	84	661	0.46	1.0	13.0	661	0.46
14	947.5	17.0	41	42	83	541	0.16	1.0	14.0	541	0.16
15	948.5	15.9	34	54	88	419	0.22	1.0	15.0	419	0.22
16	949.5	15.3	35	54	89	416	Imp.	1.0	16.0	416	0.00
17	950.5	15.8	29	57	86	355	0.23	1.4	17.4	497	0.32

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Second Hand Drillers	Lease	Ridgeway	Well No.	
				8	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
934.0 - 944.6	9.6	13.1	125.85		
944.6 - 951.4	5.8	0.24	1.38		
934.0 - 951.4	15.4	8.3	127.23		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
934.0 - 944.6	10.6	17.2	24.1	62.8	3,585
944.6 - 951.4	6.8	16.2	38.6	48.2	3,314
934.0 - 951.4	17.4	16.8	29.8	57.1	6,899