

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

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October 1, 1962

Ross Welch
Box 295
Independence, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core samples taken from the Ripley Lease, Well No. 5, Montgomery County, Kansas, and submitted to our laboratory on September 27, 1962.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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GENERAL INFORMATION & SUMMARY

Company Ross Welch Lease Ripley Well No. 5

Location _____

Section 9 Twp. 34S Rge. 15E County Montgomery State Kansas

Name of Sand 16? - - - - - Bartlesville

Top of Core - - - - - 1135.0

Bottom of Core - - - - - 1147.6

Top of Sand - - - - - (Received) - - - - - 1135.0

Bottom of Sand - - - - - (Received) - - - - - 1147.6

Total Feet of Permeable Sand - - - - - 12.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 10	1.6	1.6
10 - 50	5.0	6.6
50 - 100	3.0	9.6
100 - 200	2.0	11.6
200 & above	1.0	12.6

Average Permeability Millidarcys - - - - - 77.1

Average Percent Porosity - - - - - 15.5

Average Percent Oil Saturation - - - - - 46.9

Average Percent Water Saturation - - - - - 34.4

Average Oil Content, Bbls./A. Ft. - - - - - 566.

Total Oil Content, Bbls./Acre - - - - - 7,143.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - -

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

-LOG-

Company Ross Welch Lease Ripley Well No. 5

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1135.0 - 1139.0 - Brown sandstone.

1139.0 - 1140.0 - Brown, slightly calcareous sandstone.

1140.0 - 1147.0 - Brown sandstone.

1147.0 - 1147.6 - Brown, calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Ross Welch Lease Ripley Well No. 5

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			T Total	Ft.		
1	1135.5	16.7	45	36	81	154.	1.0	1.0	582	154.00
2	1136.5	18.1	47	32	79	40.	1.0	2.0	659	40.00
3	1137.5	18.6	48	36	84	42.	1.0	3.0	692	42.00
4	1138.5	14.8	50	31	81	41.	1.0	4.0	574	41.00
5	1139.5	11.6	43	41	84	4.7	1.0	5.0	387	4.70
6	1140.5	19.8	51	35	86	53.	1.0	6.0	782	53.00
7	1141.5	16.7	51	36	87	71.	1.0	7.0	660	71.00
8	1142.5	15.4	49	36	85	50.	1.0	8.0	585	50.00
9	1143.5	18.2	40	46	86	159.	1.0	9.0	564	159.00
10	1144.5	12.5	42	33	75	99.	1.0	10.0	407	99.00
11	1145.5	11.2	47	25	72	28.	1.0	11.0	409	28.00
12	1146.5	17.3	51	30	81	225.	1.0	12.0	684	225.00
13	1147.5	7.7	44	29	73	7.9	0.6	12.6	158	4.74
Total							-----		7,143	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Ripley	Well No.			
Ross Welch			5			
Depth Interval, Feet	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1135.0 - 1140.0	1135.0 - 1140.0	5.0	56.3	281.70		
1140.0 - 1147.6	1140.0 - 1147.6	7.6	90.6	689.74		
1135.0 - 1147.6	1135.0 - 1147.6	12.6	77.1	971.44		
Depth Interval, Feet	Feet of Core Analyzed	Average Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbl./Acre
1135.0 - 1140.0	5.0	16.0	46.6	35.2	579	2,894
1140.0 - 1147.6	7.6	15.2	47.0	34.0	559	4,249
1135.0 - 1147.6	12.6	15.5	46.9	34.4	566	7,143