

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
CHANDLER, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: ME 1-2680

March 17, 1962

Ross Schoonover
1000 West 6th
Topeka, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core samples taken from the Albert Adolf Lease, Well No. 1, Franklin County, Kansas, and submitted to our laboratory on March 14, 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 <u>Ross Schoonover</u>	Lease <u>Albert Adolf</u>	Well No. <u>1</u>
Location <u>165' North of South line & 1485' East of West line</u>		
Section <u>28</u> Twp. <u>15S</u> Rge. <u>20E</u>	County <u>Franklin</u>	State <u>Kansas</u>

Name of Sand - - - - -	Squirrel
Top of Core - - - - - (Received)	720.0
Bottom of Core - - - - - (Received)	755.0
Top of Sand - - - - - (Tested)	720.0
Bottom of Sand - - - - - (Tested)	755.0
Total Feet of Permeable Sand - - - - -	32.0
Total Feet of Floodable Sand - - - - -	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.	
0 - 5	2.0	2.0	
5 - 50	9.0	11.0	
50 - 100	7.0	18.0	
100 - 200	13.0	31.0	
200 & above	1.0	32.0	

Average Permeability Millidarcys - - - - -	83.5
Average Percent Porosity - - - - -	21.7
Average Percent Oil Saturation - - - - -	41.6
Average Percent Water Saturation - - - - -	36.6
Average Oil Content, Bbls./A. Ft. - - - - -	705.
Total Oil Content, Bbls./Acre - - - - -	23,995.
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 - - - - -	

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LOG

Company Ross Schoonover Lease Albert Adolf Well No. 1

Depth Interval, Description
Feet

720.0 - 724.0 - Grayish light brown sandstone.

724.0 - 730.0 - Brown, slightly laminated, slightly shaley sandstone.

730.0 - 731.0 - Laminated sandstone and shale.

731.0 - 737.0 - Dark brown sandstone.

737.0 - 738.0 - Core not received.

738.0 - 750.0 - Dark brown sandstone.

750.0 - 751.0 - Laminated sandy shale.

751.0 - 755.0 - Brown to dark, laminated, slightly carbonaceous,
slightly shaley sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Ross Schoonover Lease Albert Adolf 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			Ft.	Cum. Ft.		
1	720.5	22.4	20	43	347	54.	1.0	1.0	347	54.00
2	721.5	24.5	15	41	285	150.	1.0	2.0	285	150.00
3	722.5	23.2	23	43	414	101.	1.0	3.0	414	101.00
4	723.5	17.5	24	56	325	1.1	1.0	4.0	325	1.10
5	724.5	23.8	32	41	590	121.	1.0	5.0	590	121.00
6	725.5	20.4	35	41	553	62.	1.0	6.0	553	62.00
7	726.5	21.6	34	42	569	39.	1.0	7.0	569	39.00
8	727.5	22.0	45	35	768	15.	1.0	8.0	768	15.00
9	728.5	18.4	40	42	571	35.	1.0	9.0	571	35.00
10	729.5	16.2	27	70	339	16.	1.0	10.0	339	16.00
11	730.5	14.3	29	66	321	0.28	1.0	11.0	321	0.28
12	731.5	25.0	47	31	910	89.	1.0	12.0	910	89.00
13	732.5	21.8	39	36	658	33.	1.0	13.0	658	33.00
14	733.5	24.3	49	25	921	170.	1.0	14.0	921	170.00
15	734.5	23.1	52	25	930	32.	1.0	15.0	930	32.00
16	735.5	22.5	53	25	923	93.	1.0	16.0	923	93.00
17	736.5	24.7	57	20	1,091	101.	1.0	17.0	1,091	101.00
18	738.5	22.4	52	26	903	105.	1.0	18.0	903	105.00
19	739.5	24.0	43	28	800	20.	1.0	19.0	800	20.00
20	740.5	22.5	57	30	992	62.	1.0	20.0	992	62.00
21	741.5	22.6	53	25	928	49.	1.0	21.0	928	49.00
22	742.5	24.8	50	25	961	64.	1.0	22.0	961	64.00
23	743.5	23.4	48	26	870	110.	1.0	23.0	870	110.00
24	744.5	22.6	46	28	805	120.	1.0	24.0	805	120.00
25	745.5	22.8	37	32	653	120.	1.0	25.0	653	120.00
26	746.5	22.1	43	34	736	122.	1.0	26.0	736	122.00
27	747.5	23.2	43	36	773	177.	1.0	27.0	773	177.00
28	748.5	23.6	36	41	659	221.	1.0	28.0	659	221.00

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Ross Schoonover Lease Albert Adolf 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.		
29	749.5	26.0	48	44	92	967	188.	1.0	29.0	967	188.00
30	750.5	14.0	26	70	96	282	Imp.	1.0	30.0	282	0.00
31	751.5	17.1	47	43	90	623	-	1.0	31.0	623	-
32	752.5	21.1	48	28	76	784	118.	1.0	32.0	784	118.00
33	753.5	21.0	51	27	78	829	31.	1.0	33.0	829	31.00
34	754.5	17.9	66	18	84	915	53.	1.0	34.0	915	53.00
Total								-----		23,995	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Ross Schoonover	Lease	Albert Adolf	Well No.	1
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
720.0 - 731.0	11.0	54.0	594.38		
731.0 - 750.0	18.0	104.1	1,876.00		
750.0 - 755.0	3.0	67.3	202.00		
720.0 - 755.0	32.0	83.5	2,672.38		

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
720.0 - 731.0	11.0	20.4	29.4	47.2	461	5,082
731.0 - 750.0	18.0	23.4	47.4	29.8	860	15,480
750.0 - 755.0	5.0	18.2	47.6	37.2	687	3,433
720.0 - 755.0	34.0	21.7	41.6	36.6	705	23,995