

OILFIELD RESEARCH LABORATORIES

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

April 19, 1979

Donna Lee Oil Company
212 North Holiday Lane
Iola, Kansas 66749

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the McIntyre Lease, Well No. 22, Allen County, Kansas, and submitted to our laboratory on April 14, 1979.

This core was sampled by a representative of Oilfield Research Laboratories.

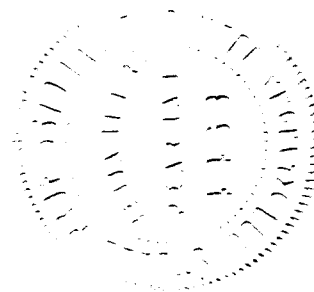
Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

BRP:cgb
5 c to Iola, Kansas



- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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- LOG -

Company Donna Lee Oil Company Lease McIntyre Well No. 22

<u>Depth Interval, Feet</u>	<u>Description</u>
893.0 - 896.3	Light brown and gray laminated sandstone and shale.
896.3 - 896.6	Gray very shaly sandstone.
896.6 - 898.2	Gray sandy shale.
898.2 - 904.3	Light brown and gray laminated sandstone and shale.
904.3 - 908.6	Brown shaly sandstone.
908.6 - 909.3	Gray sandy shale.
909.3 - 911.2	Light brown and gray laminated sandstone and shale.
911.2 - 914.0	Gray sandy shale.
914.0 - 915.0	Light brown slightly shaly sandstone.
915.0 - 915.4	Gray sandy shale.
915.4 - 919.0	Brown slightly shaly sandstone.
919.0 - 919.6	Coal.
919.6 - 920.7	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Donna Lee Oil Company

Lease McIntyre

Well No. 22

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	893.5	13.8	8	80	88	86	1.6	1.0	86	1.60	
2	894.5	12.5	10	86	96	97	1.2	1.0	97	1.20	
3	895.5	11.3	11	85	96	96	1.8	1.3	125	2.34	
4	896.5	14.1	1	83	84	11	Imp.	0.3	3	0.00	
5	898.5	17.3	24	64	88	322	3.6	0.8	258	2.88	
6	899.5	15.9	10	68	78	123	0.49	1.0	123	0.49	
7	900.5	11.8	18	70	88	165	1.0	1.0	165	1.00	
8	901.5	15.3	10	69	79	119	1.8	1.0	119	1.80	
9	902.5	17.4	22	56	78	297	2.3	1.0	297	2.30	
10	903.5	12.9	12	79	91	120	2.1	1.3	156	2.73	
11	904.5	17.7	34	50	84	467	7.2	0.7	327	5.04	
12	905.5	17.6	31	49	80	423	5.4	1.0	423	5.40	
13	906.5	19.2	28	46	74	417	7.0	1.0	417	7.00	
14	907.5	17.9	34	46	80	472	11.0	1.0	472	11.00	
15	908.5	16.6	23	60	83	296	5.0	0.6	178	3.00	
16	909.5	14.8	17	73	90	195	7.5	1.0	195	7.50	
17	910.5	17.6	31	48	79	423	13.0	0.9	380	11.70	
18	914.5	18.8	28	49	77	408	15.0	1.0	408	15.00	
19	915.5	12.3	49	45	94	468	4.7	0.6	280	2.82	
20	916.5	19.7	43	37	80	657	75.0	1.0	657	75.00	
21	917.5	19.9	40	39	79	618	52.0	1.0	618	52.00	
22	918.5	20.5	43	34	77	684	99.0	1.0	684	99.00	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	McIntyre	Well No.		
Donna Lee Oil Company			22		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
893.0 - 904.3	9.4	1.7	16.34		
904.3 - 919.0	10.8	27.3	294.46		
893.0 - 919.0	20.2	15.4	310.80		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
893.0 - 904.3	9.7	14.1	13.1	74.2	147
904.3 - 919.0	10.8	18.0	33.2	47.6	466
893.0 - 919.0	20.5	16.1	23.8	60.3	316
					1,429
					5,039
					6,468