



OILFIELD RESEARCH LABORATORIES

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

May 25, 1979

Diamond Oil Producers, Inc.
114 South Depot
Cherryvale, Kansas 67335

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Baxter B Lease, Well No. 2, Montgomery County, Kansas, and submitted to our laboratory on May 21, 1979.

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:cgb

5 c to Cherryvale, Kansas

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GENERAL INFORMATION & SUMMARY

Company	Diamond Oil Producers, Inc.	Lease	Baxter B	Well No.	2
Location	495' WEL & 815' NSL SE				
Section	34	Twp.	31S	Rge.	16E
		County	Montgomery		State Kansas
Name of Sand	- - - - -				Peru
Top of Core	- - - - -				641.0
Bottom of Core	- - - - -				660.0
Top of Sand	- - - - -				641.0
Bottom of Sand	- - - - -				660.0
Total Feet of Permeable Sand	- - - - -				19.0
Total Feet of Floodable Sand	- - - - -				
Distribution of Permeable Sand:					
Permeability Range Millidarcys	Feet		Cum. Ft.		
0 - 5	10.6		10.6		
5 - 10	3.0		13.6		
10 - 20	4.4		18.0		
20 & Above	1.0		19.0		
Average Permeability Millidarcys					
- - - - -				6.8	
Average Percent Porosity				15.2	
Average Percent Oil Saturation				30.4	
Average Percent Water Saturation				49.6	
Average Oil Content, Bbls./A. Ft.				362.	
Total Oil Content, Bbls./Acre				6,876.	
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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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Diamond Oil Producers, Inc.

Lease Baxter B

Well No. 2

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	641.5	13.7	26	57	276	3.6	1.0	1.0	276	3.60
2	642.5	15.6	21	55	254	3.0	1.0	2.0	254	3.00
3	643.5	15.3	24	55	285	2.0	1.0	3.0	285	2.00
4	644.5	15.3	21	54	249	6.3	1.0	4.0	249	6.30
5	645.5	14.5	27	49	304	4.6	1.0	5.0	304	4.60
6	646.5	13.6	19	53	201	6.1	1.0	6.0	201	6.10
7	647.5	15.0	26	49	303	12.	1.0	7.0	303	12.00
8	648.5	13.3	30	53	310	6.9	1.0	8.0	310	6.90
9	649.5	13.9	32	51	345	15.	1.0	9.0	345	15.00
10	650.5	17.1	33	43	438	31.	1.0	10.0	438	31.00
11	651.5	15.2	21	63	248	0.63	0.6	10.6	149	0.38
12	652.5	15.5	39	44	469	14.	1.4	12.0	656	19.60
13	653.5	17.8	29	42	401	20.	1.0	13.0	401	20.00
14	654.5	15.2	24	62	283	4.4	1.0	14.0	283	4.40
15	655.5	15.4	27	52	323	3.0	1.0	15.0	323	3.00
16	656.5	15.7	46	42	560	4.3	1.0	16.0	560	4.30
17	657.5	16.5	42	37	538	2.0	1.0	17.0	538	2.00
18	658.5	15.0	42	47	489	0.95	1.0	18.0	489	0.95
19	659.5	15.7	42	40	512	0.96	1.0	19.0	512	0.96

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- LOG -

Company Diamond Oil Producers, Inc. Lease Baxter B Well No. 2

Depth Interval,
Feet

Description

641.0 - 651.0

Light brown slightly calcareous sandstone.

651.0 - 651.6

Gray calcareous sandstone.

651.6 - 660.0

Light brown slightly calcareous sandstone.

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Diamond Oil Producers, Inc. Lease Baxter B Well No. 2

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
641.0 - 651.0	10.0	9.1	90.50
651.0 - 660.0	9.0	4.2	37.59
641.0 - 660.0	19.0	6.8	128.09

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
641.0 - 651.0	10.0	14.7	25.9	51.9	297	2,965
651.0 - 660.0	9.0	15.8	35.4	46.9	435	3,911
641.0 - 660.0	19.0	15.2	30.4	49.6	362	6,876