

OILFIELD RESEARCH LABORATORIES

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

January 17, 1980

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

Gentlemen:

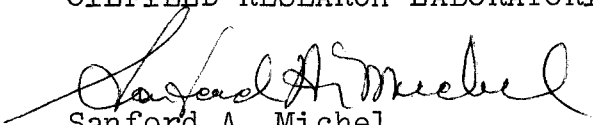
Enclosed herewith are the results of tests run on the rotary core taken from the Clubine Lease, Well No. 2, Montgomery County, Kansas, and submitted to our laboratory on January 5, 1980.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

5 c to Cherryvale, Kansas

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GENERAL INFORMATION & SUMMARY

Company Diamond Oil Producers, Inc. Lease Clubine Well No. 2

Location NW $\frac{1}{4}$

Section 35 Twp. 31S Rge. 16E County Montgomery State Kansas

Elevation, Feet - - - - -

Name of Sand - - - - - Peru

Top of Core - - - - - 663.0

Bottom of Core - - - - - 673.5

Top of Sand - - - - - 664.7

Bottom of Sand - - - - - 673.5

Total Feet of Permeable Sand - - - - - 4.3

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1 3.3 3.3

1 & Above 1.0 4.3

Average Permeability Millidarcys - - - - - 0.46

Average Percent Porosity - - - - - 12.4

Average Percent Oil Saturation - - - - - 25.8

Average Percent Water Saturation - - - - - 56.4

Average Oil Content, Bbls./A. Ft. - - - - - 246.

Total Oil Content, Bbls./Acre - - - - - 1,843.

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 - - - - -

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LOGName Diamond Oil Producers, Inc. Lease Clubine Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
663.0 - 664.7	Gray sandy shale.
664.7 - 666.5	Light brown and gray laminated sandstone and shale.
666.5 - 667.8	Gray sandy shale.
667.8 - 669.3	Light brown and gray laminated sandstone and shale.
669.3 - 673.5	Light brown very shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Diamond Oil Producers, Inc. Lease Clubine 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	Total			Ft.	Cum. Ft.		
1	664.8	13.9	20	71	91	216	Imp.	0.5	0.5	108	0.00
2	665.5	14.3	12	67	79	133	0.26	0.8	1.3	106	0.21
3	666.4	14.1	20	63	83	219	Imp.	0.5	1.8	109	0.00
4	668.5	14.6	35	49	84	396	0.19	1.5	3.3	594	0.29
5	669.5	13.6	29	53	82	306	0.37	1.0	4.3	306	0.37
6	670.5	12.0	16	54	70	149	1.1	1.0	5.3	149	1.10
7	671.5	9.4	36	48	84	263	Imp.	1.0	6.3	263	0.00
8	672.5	7.8	25	71	96	151	Imp.	0.7	7.0	106	0.00
9	673.3	10.1	26	48	74	204	Imp.	0.5	7.5	102	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Diamond Oil Producers, Inc.		Lease	Clubine	Well No.	
						2	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
664.7 - 673.5	4.3	0.46	1.97				
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre		
664.7 - 673.5	7.5	12.4	25.8	56.4	246	1,843	