



OILFIELD RESEARCH LABORATORIES

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

February 14, 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 Mattox Lease, Well No. 1, Labette County, Kansas, and submitted to our laboratory on February 7, 1979.

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

Your business is greatly appreciated.

Very truly yours,

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Benjamin R. Pearman

SAM:km
5 c to Cherryvale, Kansas

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GENERAL INFORMATION & SUMMARY

Company Diamond Oil Producers, Inc. Lease Mattox Well No. 1

Location NW 1/4

Section 7 Twp. 33S Rge. 18E County Labette State Kansas

Name of Sand	Bartlesville
Top of Core	627.0
Bottom of Core	629.0
Top of Sand	627.0
Bottom of Sand	629.0
Total Feet of Permeable Sand	0.0

Total Feet of Floodable Sand	
Distribution of Permeable Sand:	
Permeability Range Millidarcys	Feet
Cum. Ft.	

Average Permeability Millidarcys	0.0
Average Percent Porosity	4.3
Average Percent Oil Saturation	32.0
Average Percent Water Saturation	62.5
Average Oil Content, Bbls./A. Ft.	103.
Total Oil Content, Bbls./Acre	205.
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 Diamond Oil Producers, Inc. Lease Mattox Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
627.0 - 629.0	Light brown and gray very shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Diamond Oil Producers, Inc. Lease Mattox Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Ebbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	627.7	3.3	36	60	96	92	Imp.	1.0	1.0	92	0.00
2	628.5	5.2	28	65	93	113	Imp.	1.0	2.0	113	0.00