

OILFIELD RESEARCH LABORATORIES

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

June 9, 1981

Oaks Petroleum, Inc.
c/o Calvin T. Oaks, Jr.
R R # 2
Stoystown, Pennsylvania 15563

Gentlemen:

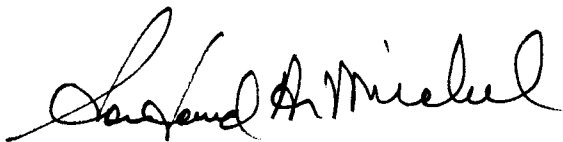
Enclosed herewith are the results of tests run on the rotary core taken from the Collins Lease, Well No. C-18, located in Franklin County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on June 4, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

2 c to Stoystown, PA
3 c to Paola, KS

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Oaks Petroleum, Inc. Lease Collins Well No. C-18

Location _____

Section 16 Twp. 17S Rge. 21E County Franklin State Kansas

Elevation, Feet	
Name of Sand	Squirrel
Top of Core	495.0
Bottom of Core	500.4
Top of Sand	495.0
Bottom of Sand	499.5
Total Feet of Permeable Sand	4.5

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	2.5	2.5
5 - 10	2.0	4.5

Average Permeability Millidarcys	3.1
Average Percent Porosity	17.4
Average Percent Oil Saturation	26.6
Average Percent Water Saturation	63.1
Average Oil Content, Bbls./A. Ft.	350.
Total Oil Content, Bbls./Acre	1,577.

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LOG

Name Oaks Petroleum, Inc. Lease Collins Well No. C-18

<u>Depth Interval, Feet</u>	<u>Description</u>
495.0 - 499.5	Brown and gray laminated slightly calcareous sandstone and shale.
499.5 - 500.4	Gray sandy shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Oaks Petroleum, Inc. Lease Collins Well No. C-18

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	495.7	19.9	15	58	73	232	5.3	1.0	1.0	232	5.30
2	496.6	19.3	25	67	92	374	7.7	1.0	2.0	374	7.70
3	497.8	17.2	34	62	96	454	0.64	1.2	3.2	545	0.77
4	499.3	14.1	30	65	95	328	0.24	1.3	4.5	426	0.31

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SUMMARY OF PERMEABILITY & SATURATION TESTS

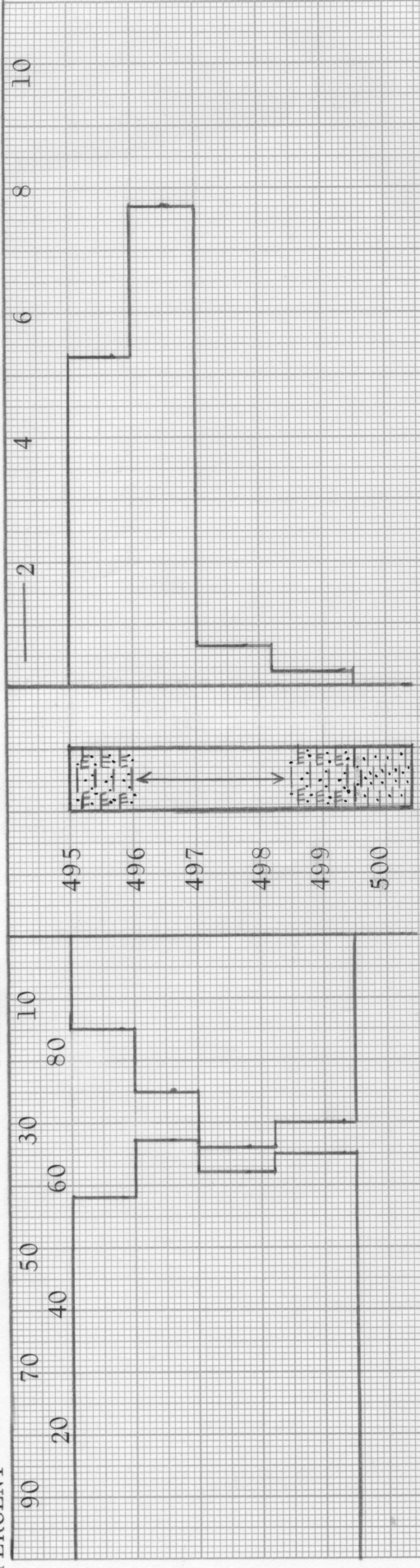
TABLE III

Company Oaks Petroleum, Inc. Lease Collins Well No. C-18

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
495.0 - 499.5	4.5	3.1	14.08			
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
495.0 - 499.5	4.5	17.4	26.6	63.1	350	1,577

PERMEABILITY, IN MILLIDARCY

WATER SAT., PERCENT → ← OIL SAT., PERCENT



KEY:



LAMINATED CALCAREOUS SANDSTONE AND SHALE



SANDY SHALE

OAKS PETROLEUM, INC.

COLLINS LEASE

FRANKLIN COUNTY, KANSAS

WELL NO. C-18

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY
495.0 - 499.5	4.5	17.4	26.6	63.1	3.1