

OILFIELD RESEARCH LABORATORIES

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

June 3, 1981

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

Gentlemen:

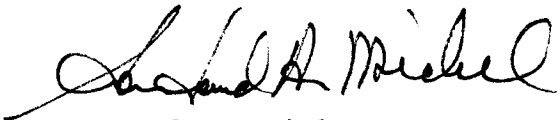
Enclosed herewith are the results of tests run on the rotary core taken from the Collins Lease, Well No. C-16, located in Franklin County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on May 30, 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-16

Location _____

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

Elevation, Feet

Name of Sand First Squirrel

Top of Core 497.0

Bottom of Core 502.7

Top of Sand (Tested) 498.0

Bottom of Sand (Tested) 501.7

Total Feet of Permeable Sand 3.7

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	1.3	1.3
50 - 65	2.4	3.7

Average Permeability Millidarcys 40.3

Average Percent Porosity 22.6

Average Percent Oil Saturation 35.9

Average Percent Water Saturation 35.2

Average Oil Content, Bbls./A. Ft. 631.

Total Oil Content, Bbls./Acre 2,335.

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LOGName Oaks Petroleum, Inc. Lease Collins Well No. C-16

<u>Depth Interval, Feet</u>	<u>Description</u>
497.0 - 498.0	Brown and gray laminated slightly calcareous sandstone and shale.
498.0 - 500.4	Brown slightly calcareous sandstone.
500.4 - 501.7	Brown slightly calcareous slightly shaly sandstone.
501.7 - 502.7	Light brown and gray laminated slightly calcareous sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Oaks Petroleum, Inc. Lease Collins Well No. C-16

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	498.4	23.0	40	30	70	714	52.	1.0	1.0	714	52.00
2	499.6	24.6	35	32	67	668	62.	1.4	2.4	935	86.80
3	500.6	20.2	37	39	76	580	7.8	0.6	3.0	348	4.68
4	501.3	20.1	31	46	77	483	8.3	0.7	3.7	338	5.81

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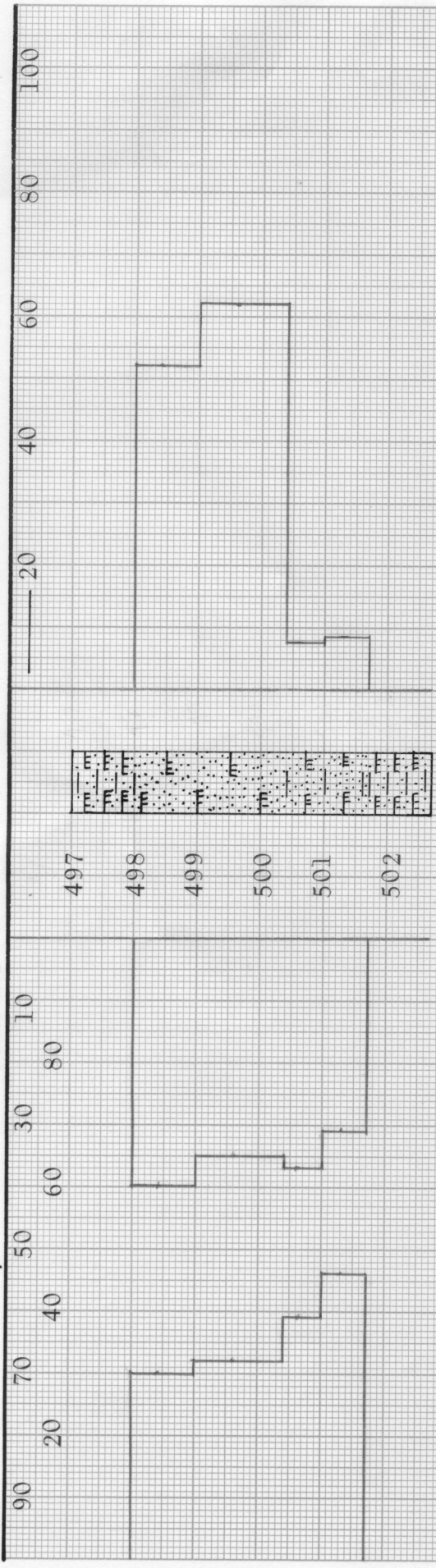
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Collins	Well No.	C-16							
Oaks Petroleum, Inc.		Collins									
Depth Interval, Feet	498.0 - 501.7	Feet of Core Analyzed	3.7	Average Permeability, Millidarcys	40.3	Permeability Capacity Ft. x Md.	149.29				
Depth Interval, Feet	498.0 - 501.7	Feet of Core Analyzed	3.7	Average Percent Oil Saturation	35.9	Average Percent Water Saturation	35.2	Average Oil Content Bbl./A. Ft.	631	Total Oil Content Bbls./Acre	2,335

WATER SAT., PERCENT → < OIL SAT., PERCENT

PERMEABILITY, IN MILLIDARCYS



KEY:

CALCAREOUS SANDSTONE

SHALY CALCAREOUS SANDSTONE

LAMINATED CALCAREOUS SANDSTONE AND SHALE

OAKS PETROLEUM, INC.

COLLINS LEASE
FRANKLIN COUNTY, KANSAS
WELL NO. C-16

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
498.0 - 501.7	3.7	22.6	35.9	35.2	40.3