

OILFIELD RESEARCH LABORATORIES

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

April 10, 1981

Lincoln 77
3633 O Street, Suite 4
P. O. Box 30538
Lincoln, Nebraska 68510

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Myers Lease, Well No. 3, located in Coffey County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on March 31, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

4 c to Lincoln, Nebraska
1 c to Topeka, Kansas

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GENERAL INFORMATION & SUMMARY

Company Lincoln 77 Lease Myers Well No. 3
 Location _____
 Section 14 Twp. 23S Rge. 16E County Coffey State Kansas

Elevation, Feet

Name of Sand.....

Lower Squirrel

Top of Core

945.0

Bottom of Core

951.0

Top of Sand

945.0

Bottom of Sand

947.8

Total Feet of Permeable Sand

2.8

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

10 - 24

2.8

2.8

Average Permeability Millidarcys

14.9

Average Percent Porosity

16.6

Average Percent Oil Saturation

33.9

Average Percent Water Saturation.....

7.7

Average Oil Content, Bbls./A. Ft.

447.

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

1,252.

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LOG

Name Lincoln 77 Lease Myers Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
945.0 - 947.8	Brown and gray laminated sandstone and shale.
947.8 - 951.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Lincoln 77 Lease Myers Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	945.5	18.7	39	2	41	566	10.	1.0	1.0	566	10.00
2	946.5	15.2	8	18	26	94	23.	1.0	2.0	94	23.00
3	947.2	15.9	60	2	62	740	11.	0.8	2.8	592	8.80

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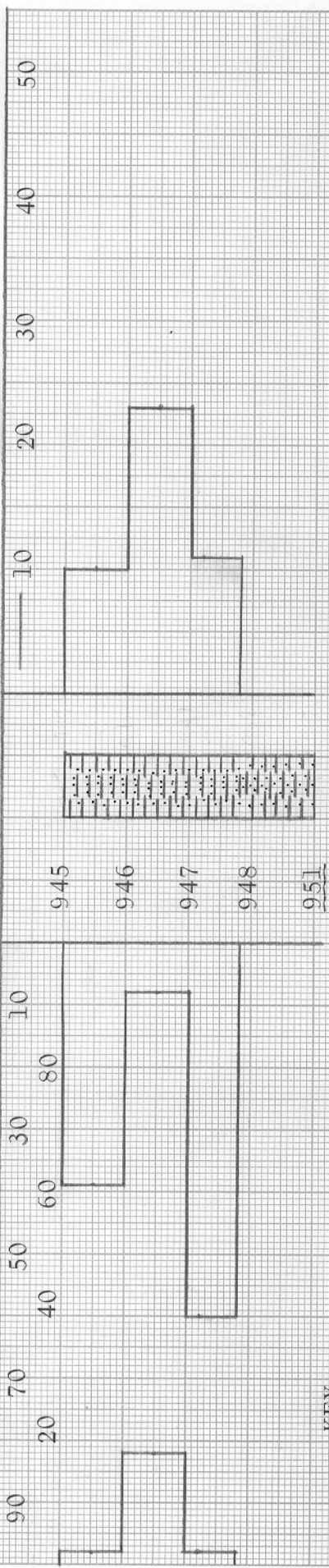
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lincoln 77	Lease	Myers	Well No.	3		
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	945.0 - 947.8	2.8	14.9	41.80			
	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
	945.0 - 947.8	2.8	16.6	33.9	7.7	447	1,252

WATER SAT., PERCENT ——— PERMEABILITY, IN MILLIDARCYS

OIL SAT., PERCENT



KEY:

 SANDY SHALE

 LAMINATED SANDSTONE AND SHALE

LINCOLN 77

MYERS LEASE

WELL NO. 3

COFFEY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
945.0 - 947.8	2.8	16.6	33.9	7.7	14.9

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