

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

June 21, 1965

Fred E. Wood & Associates
Suite 204, 200 Sixteenth Street
Denver, Colorado

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Scott Lease, Well No. 46-IE, Wilson County, Kansas, and submitted to our laboratory on June 17, 1965.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

John L. Pate
John L. Pate

JLP:rf

4 c. - Denver, Colorado
1 c. - A. W. Bailey

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Scott Well No. 46-IE

Location N $\frac{1}{2}$ SE $\frac{1}{4}$

Section 33 Twp. 30S Rge. 16E County Wilson State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 758.0

Bottom of Core - - - - - 771.7

Top of Sand - - - - - 758.0

Bottom of Sand - - - - - 771.7

Total Feet of Permeable Sand - - - - - 8.1

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5	1.0	1.0
5 - 10	4.1	5.1
10 & above	3.0	8.1

Average Permeability Millidarcys - - - - - 9.2

Average Percent Porosity - - - - - 13.3

Average Percent Oil Saturation - - - - - 34.0

Average Percent Water Saturation - - - - - 47.4

Average Oil Content, Bbls./A. Ft. - - - - - 375.

Total Oil Content, Bbls./Acre - - - - - 4,758.

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 - - - - - 40.

Elevation, Feet - - - - -

-LOG-

Company Fred E. Wood & Associates Lease Scott Well No. 46-IEDepth Interval, Description
Feet

758.0 - 762.6 - Gray, laminated, sandy shale.

762.6 - 771.7 - Dark brown, micaceous, slightly shaly sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

[illegible]

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

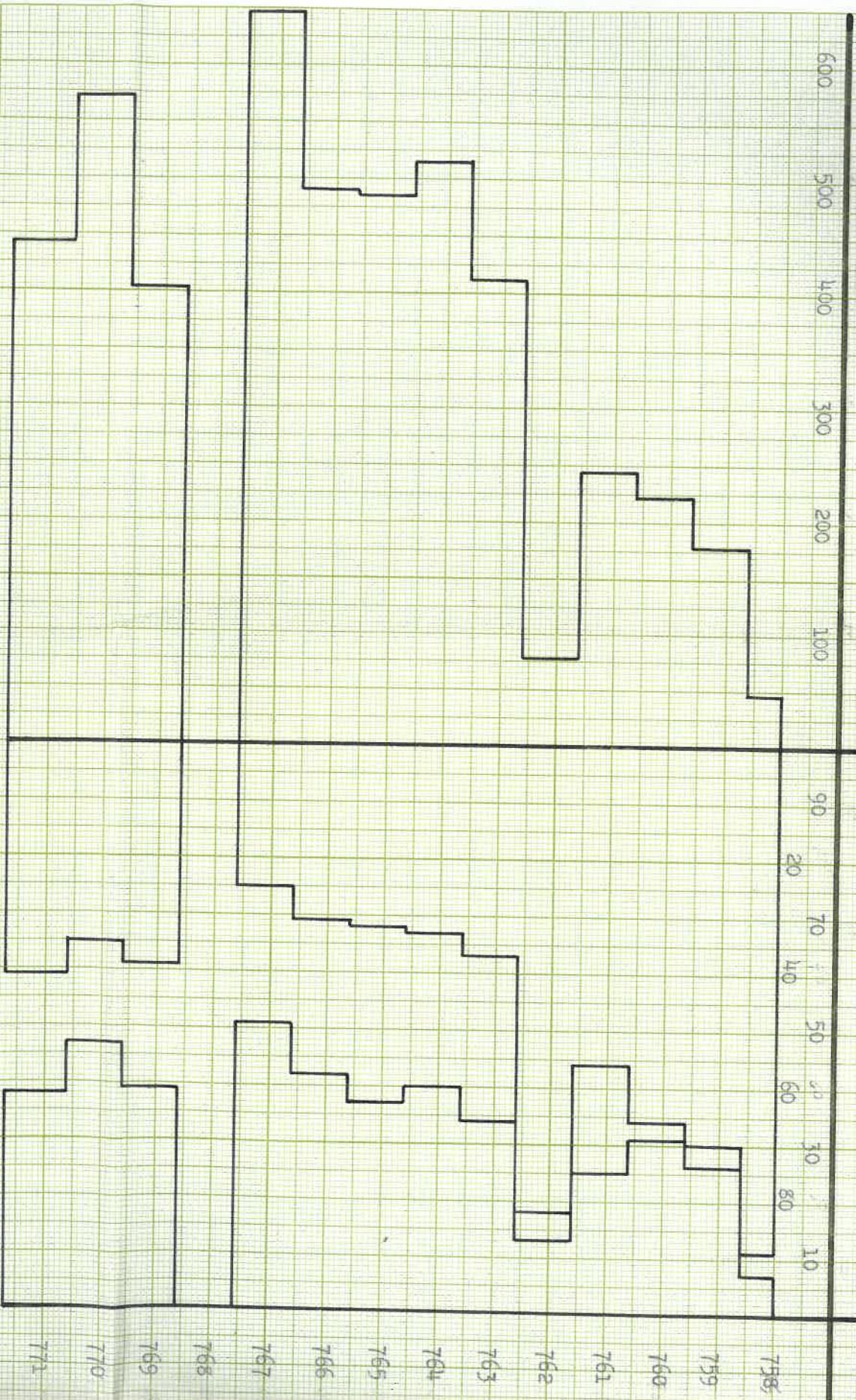
Company		Fred E. Wood & Associates		Lease	Scott	Well No.	46-IE
Depth Interval, Feet		Feet of Core Analyzed		Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
758.0 - 762.6		0.0		0.00	0.00		
762.6 - 771.7		8.1		9.2	74.87		
758.0 - 771.7		8.1		9.2	74.87		

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
758.0 - 762.6		4.6		9.4	21.6	71.2	162	747
762.6 - 771.7		8.1		15.6	41.0	33.8	495	4,011
758.0 - 771.7		12.7		13.3	34.0	47.4	375	4,758

OIL CONTENT,
BBL/S./A. FT.

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT



SHALY SANDSTONE

FRED E. WOOD

SCOPE LEASE

WILSON COURT

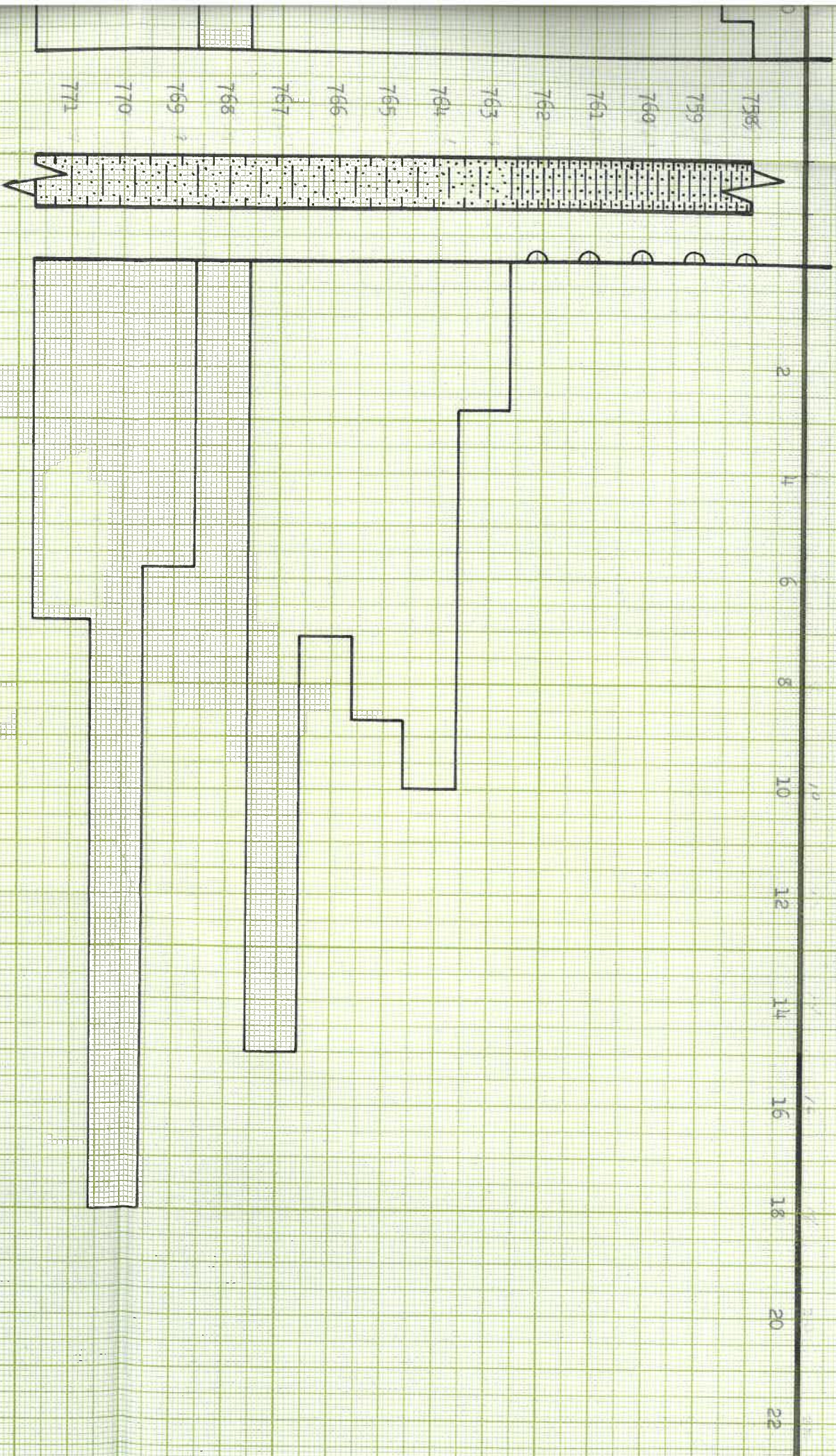
DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY, PERCENT	AVG. OIL SATURATION, PERCENT
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758.0 - 762.6	4.6	9.4	21.6
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762.6 - 771.7	8.1	15.6	41.0
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771.7 - 772.0	12.7	13.3	34.0
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AIR PERMEABILITY, IN MILLIDARCYs



SANDY SHALE

○ IMPERMEABLE TO AIR

WOOD & ASSOCIATES

WILSON COUNTY, KANSAS

WELL NO. 46-1B

AGE INT.	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLs./A. FT.	TOTAL OIL CONTENT BBLs./ACRE	AVG. AIR PERMEABILITY, MILLIDARCYs
4	21.5	71.2	152	747	0.00
6	42.0	33.8	495	4,011	9.2
3	34.0	47.4	375	4,758	9.2