

OILFIELD RESEARCH LABORATORIES

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

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

Chanute, Kansas

May 10, 1965

33-30-16E

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 Wolfe Lease, Well No. 44-CE, Wilson County, Kansas, and submitted to our laboratory on May 7, 1965.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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

WOLFE 44-CE

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Wolfe Well No. 44-CE

Location _____

Section _____ Twp. _____ Rge. _____ County Wilson State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 770.0

Bottom of Core - - - - - 790.0

Top of Sand - - - - - (Tested) - - - - - 770.0

Bottom of Sand - - - - - (Tested) - - - - - 790.0

Total Feet of Permeable Sand - - - - - 12.7

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1	6.0	6.0
1 - 5	4.6	10.6
5 - 9	2.1	12.7

Average Permeability Millidarcys - - - - - 2.1

Average Percent Porosity - - - - - 13.3

Average Percent Oil Saturation - - - - - 41.9

Average Percent Water Saturation - - - - - 38.2

Average Oil Content, Bbls./A. Ft. - - - - - 438.

Total Oil Content, Bbls./Acre - - - - - 8,752.

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 - - - - -

OILFIELD RESEARCH LABORATORIES

-LOG-

Company Fred E. Wood & Assoc. Lease Wolfe Well No. 44-CE

Depth Interval, Description
Feet

770.0 - 773.5 - Brown, laminated, shaly sandstone.

773.5 - 782.5 - Brown, slightly shaly sandstone.

782.5 - 786.6 - Brown to dark, laminated, shaly, slightly carbonaceous sandstone.

786.6 - 790.0 - Dark, carbonaceous, shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

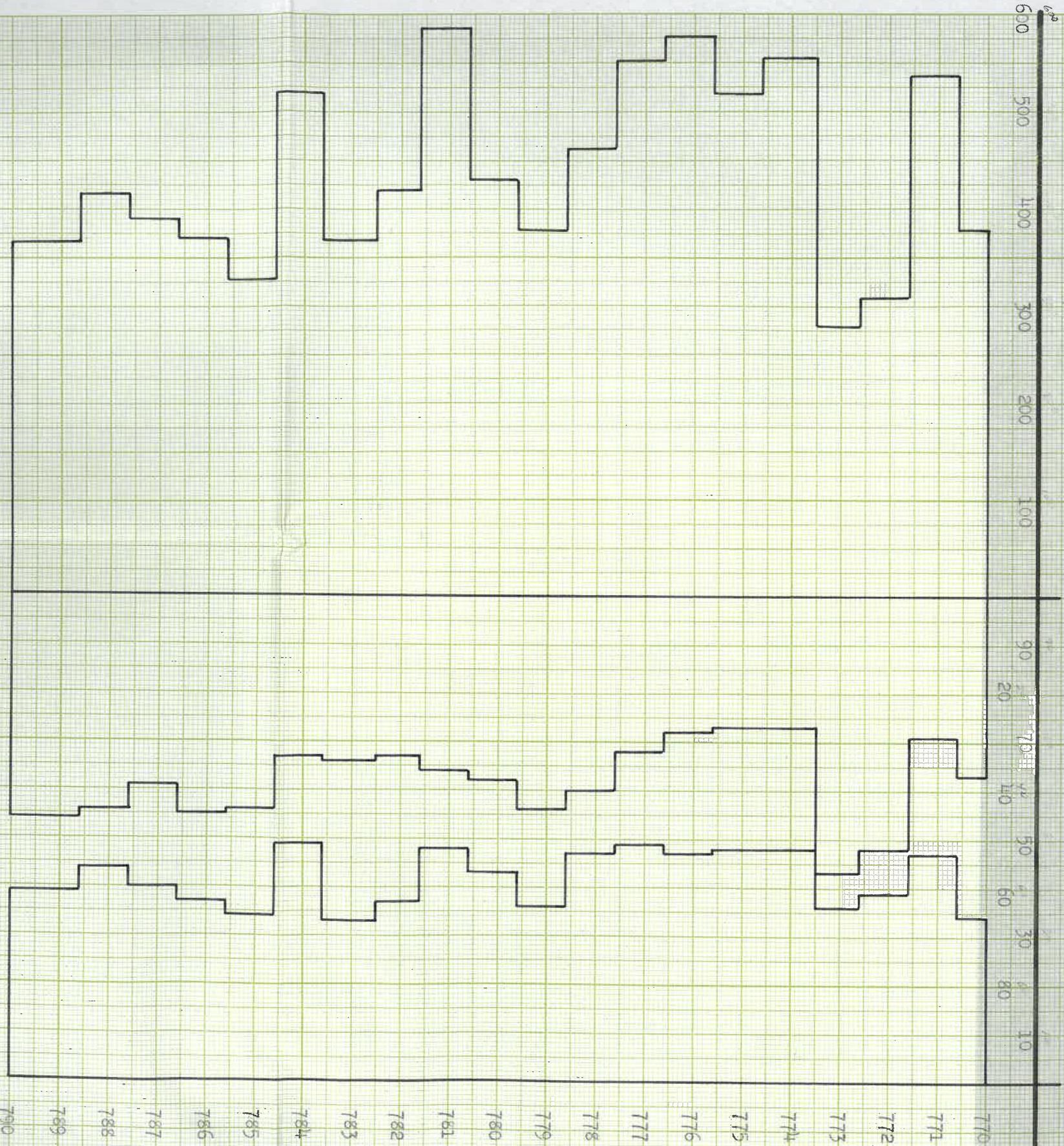
Company Fred E. Wood & Associates Lease Wolfe Well No. 44-CE

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			Ft.	Cum. Ft.		
1	770.1	14.3	34	37	377	2.1	0.6	0.6	226	1.26
2	771.1	14.7	47	29	536	0.76	1.0	1.6	536	0.76
3	772.1	10.2	39	52	309	Imp.	1.0	2.6	309	0.00
4	773.1	10.0	36	57	279	Imp.	0.9	3.5	251	0.00
5	774.1	14.9	48	27	555	5.2	1.1	4.6	611	5.72
6	775.1	13.9	48	27	518	2.8	1.0	5.6	518	2.80
7	776.1	15.8	47	28	576	8.3	1.0	6.6	576	8.30
8	777.1	14.5	49	32	552	1.2	1.0	7.6	552	1.20
9	778.1	12.7	47	40	463	0.78	1.0	8.6	463	0.78
10	779.1	13.5	36	44	377	1.3	1.0	9.6	377	1.30
11	780.1	12.9	43	38	430	0.66	1.0	10.6	430	0.66
12	781.1	14.0	48	36	586	2.4	1.0	11.6	586	2.40
13	782.1	14.6	37	33	419	0.56	0.9	12.5	377	0.50
14	783.1	14.4	33	34	368	0.22	1.1	13.6	405	0.24
15	784.1	13.7	49	33	520	Imp.	1.0	14.6	520	0.00
16	785.1	12.4	34	44	327	Imp.	1.0	15.6	327	0.00
17	786.1	12.9	37	45	370	0.34	1.0	16.6	370	0.34
18	787.1	12.6	40	39	390	Imp.	1.0	17.6	390	0.00
19	788.1	12.2	44	44	416	Imp.	1.0	18.6	416	0.00
20	789.1	12.1	39	46	366	Imp.	1.4	20.0	512	0.00
							Total	-----	8,752	

OIL CONTENT,
EBLS./A. FT.

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT



SHALY SANDSTONE

WOLFE IRASE

FRED E. WOOD

WILSON COUN

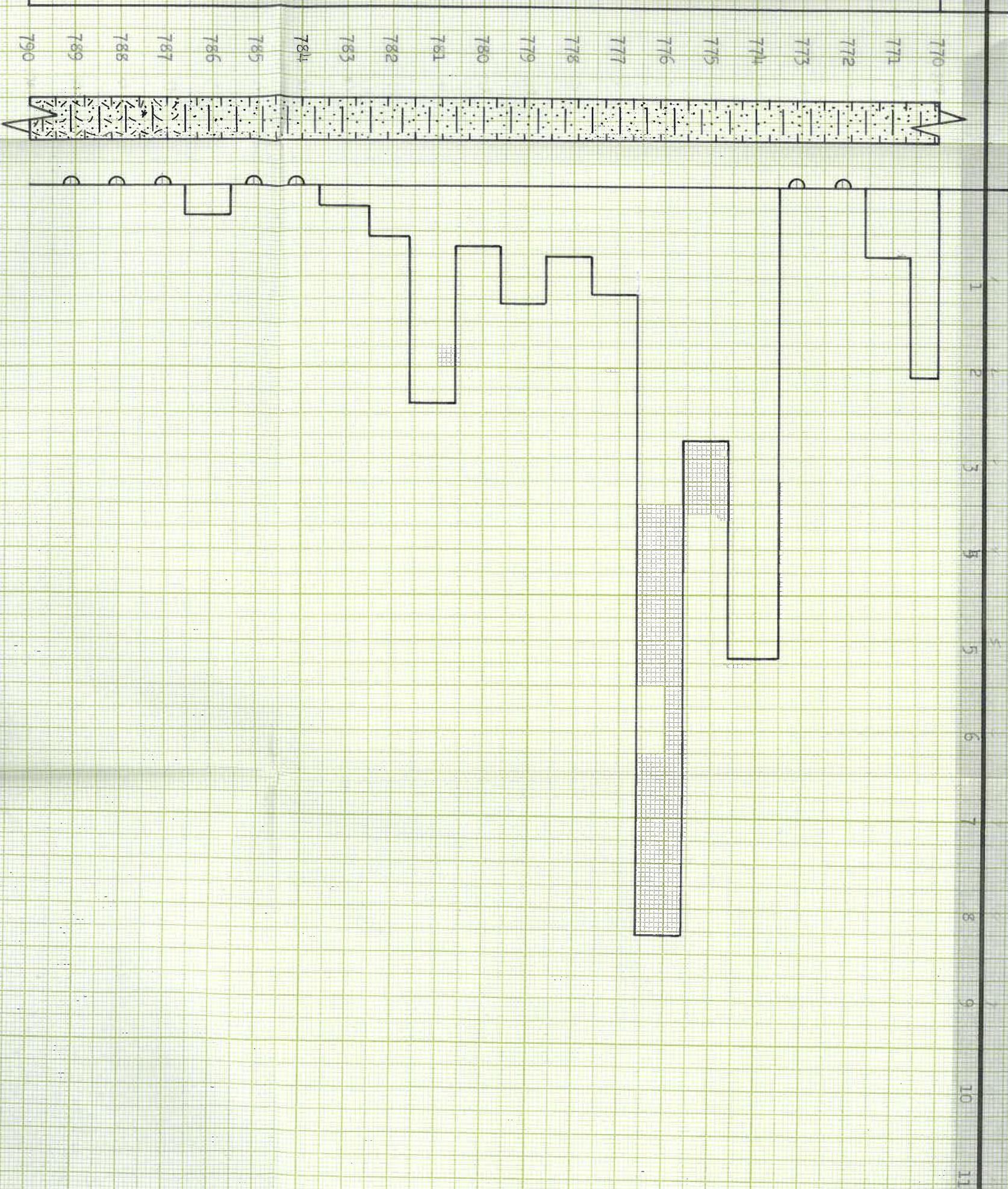
WOLFE IRASE

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY, PERCENT	AVG. OIL SATURATION PERCENT
770.0 - 782.5	12.5	13.6	43.1
782.5 - 790.0	7.5	12.9	39.4

770.0 - 790.0	20.0	13.3	41.9
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AIR PERMEABILITY, IN MILLIDARCY



W-32 CARBONACEOUS SHALY SANDSTONE

○ IMPERMEABLE TO AIR

WOOD & ASSOCIATES

WILSON COUNTY, KANSAS

WELL NO. W-32

Avg. Oil Saturation Percent	Avg. Water Saturation Percent	Avg. Oil Content Bbls./A. Ft.	Total Oil Content Bbls./Acres	Avg. Air Permeability, Millidarcys
43.4	35.8	465	5,812	2.1
39.4	40.9	392	2,940	0.28
41.9	38.2	438	8,752	2.1