

OILFIELD RESEARCH LABORATORIES

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

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

June 8, 1965

53-30-16E

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. 43-X, Wilson County, Kansas, and submitted to our laboratory on June 7, 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

Wolfe 43-X

Company Fred E. Wood & Associates Lease Wolfe Well No. 43-X

Depth Interval, Feet	Description
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762.0 - 762.8	- Brown, micaceous, shaly sandstone.
762.8 - 765.6	- Light brown, laminated, shaly sandstone.
765.6 - 774.0	- Brown, slightly shaly, micaceous sandstone.
774.0 - 778.6	- Brown, slightly carbonaceous sandstone.
778.6 - 780.2	- Dark, carbonaceous, shaly sandstone.
780.2 - 780.3	- Coal.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fred E. Wood & Associates Lease Wolfe Well No. 43-X

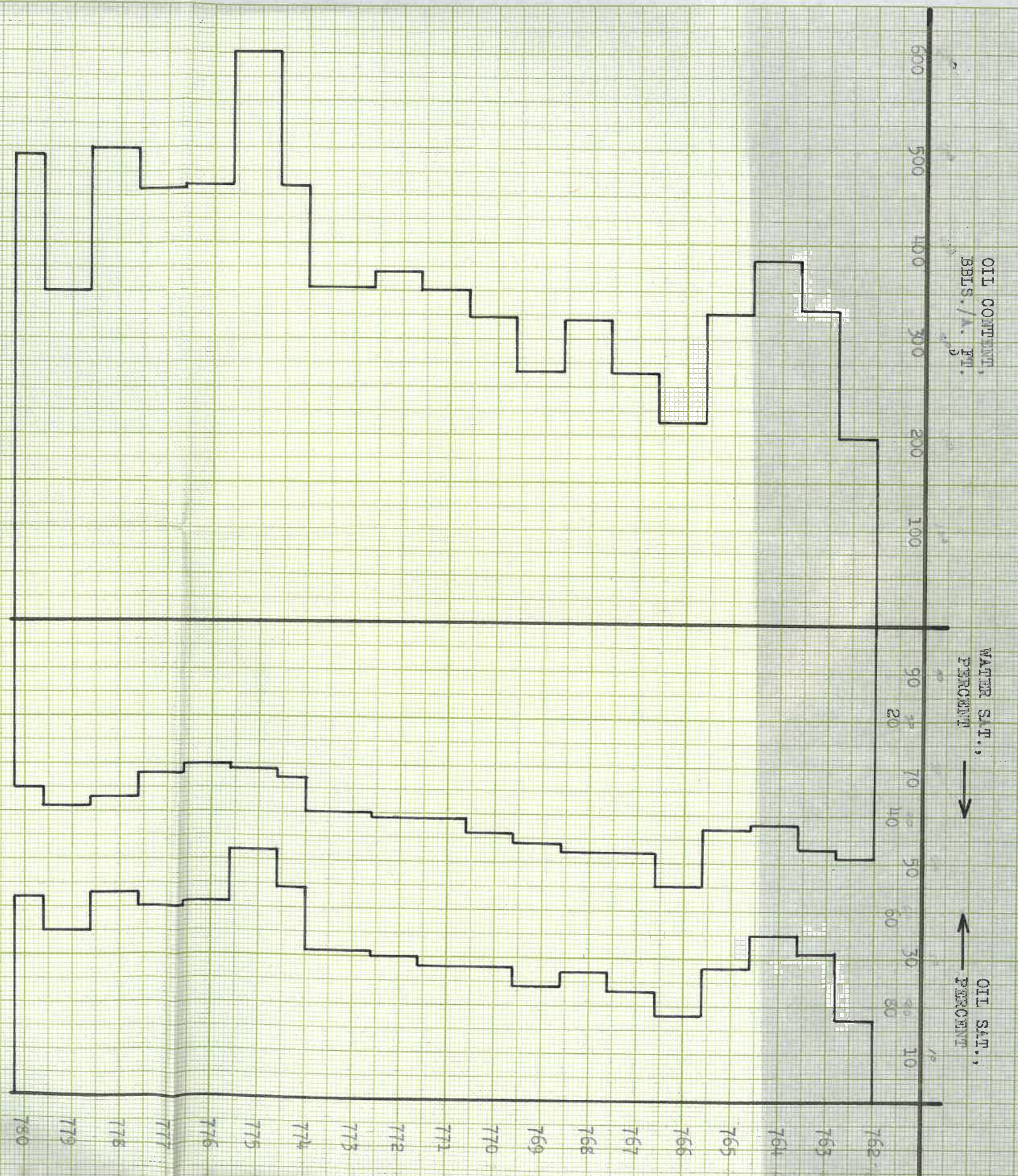
Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
1	762.1	15.0	17	49	198	2.3	0.8	0.8	158	1.84
2	763.1	13.7	31	47	330	Imp.	0.8	1.6	264	0.00
3	764.1	14.1	35	42	382	5.4	1.0	2.6	382	5.40
4	765.3	15.0	28	43	326	4.4	1.0	3.6	326	4.40
5	766.1	15.2	18	55	212	6.2	1.0	4.6	212	6.20
6	767.1	14.8	23	48	264	8.6	1.0	5.6	264	8.60
7	768.1	15.3	27	48	320	2.8	1.0	6.6	320	2.80
8	769.1	14.3	24	46	266	9.9	1.0	7.6	266	9.90
9	770.1	14.9	28	44	323	3.6	1.0	8.6	323	3.60
10	771.1	16.1	28	41	350	2.5	1.0	9.6	350	2.50
11	772.1	15.9	30	41	370	9.7	1.0	10.6	370	9.70
12	773.1	14.7	31	40	353	3.8	1.4	12.0	494	5.32
13	774.1	13.5	44	33	459	5.2	0.6	12.6	275	3.12
14	775.1	14.9	52	31	601	1.5	1.0	13.6	601	1.50
15	776.1	14.5	41	30	461	0.61	1.0	14.6	461	0.61
16	777.1	14.7	40	32	456	0.48	1.0	15.6	456	0.48
17	778.1	15.0	43	37	499	0.98	1.0	16.6	499	0.98
18	779.1	12.9	35	39	350	Imp.	1.0	17.6	350	0.00
19	780.1	15.1	42	35	492	0.51	0.6	18.2	295	0.31
Total-----									6,666	

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.		
Fred E. Wood & Associates		Wolfe		43-X		
Depth Interval, Feet	Feet of Core Analyzed	Average Porosity	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
762.0 - 774.0	11.2	14.9	11.2	5.4	60.26	3,729
774.0 - 780.2	5.2	14.4	5.2	1.3	7.00	2,937
762.0 - 780.2	16.4	14.8	16.4	4.1	67.26	6,666
762.0 - 774.0	12.0	26.9	12.0	45.0	311	3,729
774.0 - 780.2	6.2	42.4	6.2	33.8	474	2,937
762.0 - 780.2	18.2	32.2	18.2	41.3	366	6,666

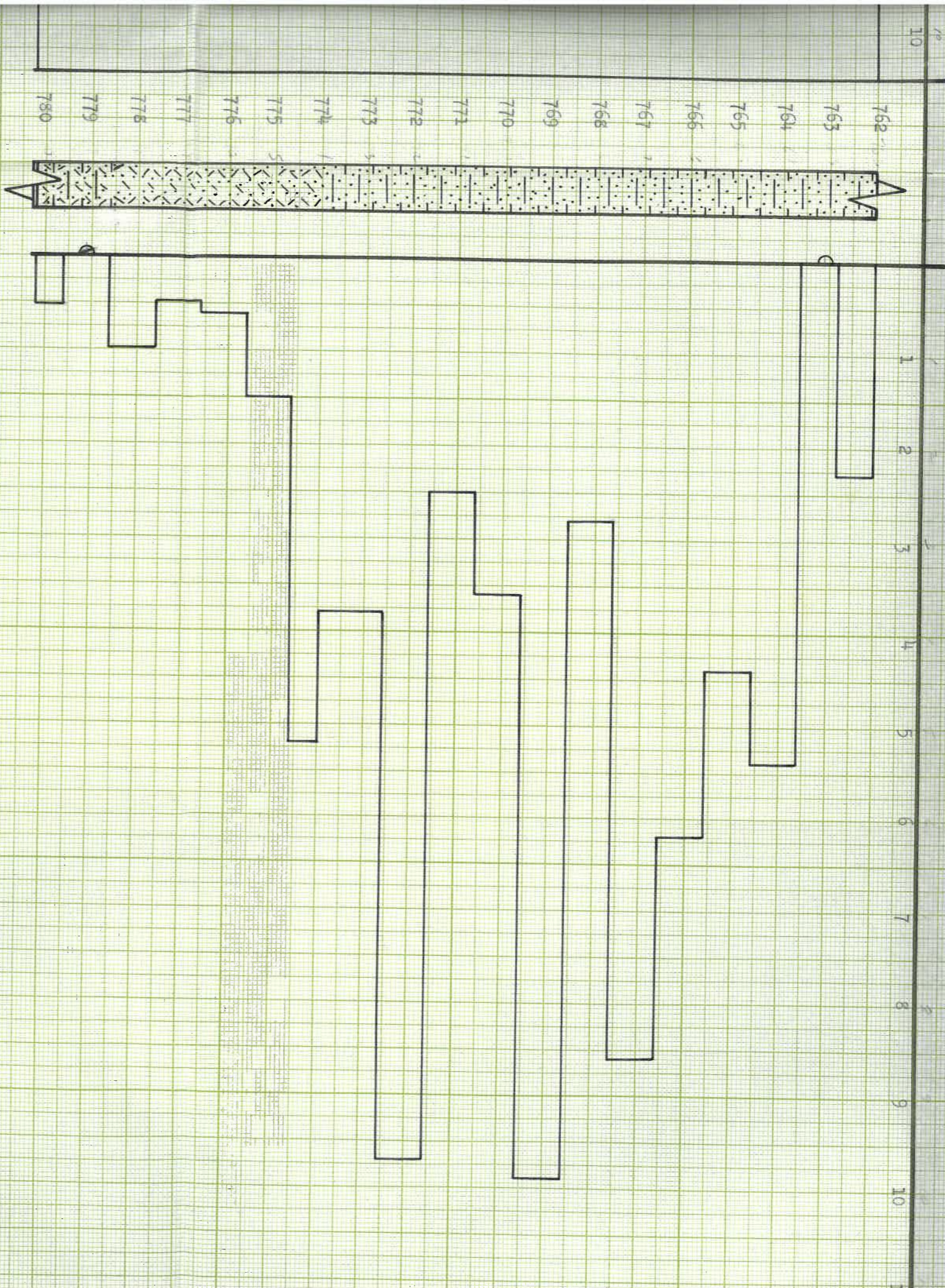


 SALTY SANDSTONE
 CARBONACEOUS SANDSTONE

FRED E. WOOD
WOLFE LEASE
WILSON CO. OK.

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY, PERCENT	AVG. OIL SATURAT. PERCENT
762.0 - 774.0	12.0	14.9	26.9
774.0 - 780.2	6.2	14.4	42.4
762.0 - 780.2	18.2	14.8	32.2

AIR PERMEABILITY, IN MILLIDARCY



 CARBONACEOUS SHALEY SANDSTONE
 COAL

○ IMPERMEABLE TO AIR

WOOD & ASSOCIATES

WILSON COUNTY, KANSAS

WELL NO. 43-X

DEPTH FOOT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLS./A.M.F.	TOTAL OIL CONTENT BBLS./ACFE	AVG. AIR PERMEABILITY, MILLIDARCY
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14.9	26.9	45.0	311	3,729	5.2
14.4	42.4	33.8	472	2,937	1.3
14.8	32.2	41.3	366	6,666	4.1