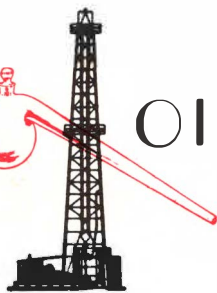


18-25-21E



OILFIELD RESEARCH LABORATORIES

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

December 13, 1966

Woods & Booth
Box 1867
Ardmore, Oklahoma

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Booth Lease, Well No. 3, Allen County, Kansas, and submitted to our laboratory on December 10, 1966.

This core was sampled after being received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:rf

5 c.

Booth 3

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Woods & Booth Lease Booth Well No. 3

Location _____

Section 18 Twp. 25S Rge. 21E County Allen State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 765.0

Bottom of Core - - - - - 789.0

Top of Sand - - - - - 766.0

Bottom of Sand - - - - - 788.7

Total Feet of Permeable Sand - - - - - 22.7

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys

Feet

Cum. Ft.

0 - 25	5.4	5.4
25 - 50	2.6	8.0
50 - 75	5.2	13.2
75 - 100	4.3	17.5
100 - 200	2.2	19.7
200 & above	3.0	22.7

Average Permeability Millidarcys - - - - - 77.8

Average Percent Porosity - - - - - 20.6

Average Percent Oil Saturation - - - - - 50.7

Average Percent Water Saturation - - - - - 35.8

Average Oil Content, Bbls./A. Ft. - - - - - 806.

Total Oil Content, Bbls./Acre - - - - - 18,301.

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 - - - - -

-LOG-Company Woods & Booth Lease Booth Well No. 3Depth Interval, Description
Feet

765.0 - 766.0 - Gray sandy shale.

766.0 - 769.8 - Grayish brown, fine grained sandstone.

769.8 - 771.0 - Dark, fine grained, shaly sandstone.

771.0 - 776.9 - Dark, gray, fine grained sandstone.

776.9 - 788.7 - Dark, fine grained sandstone.

788.7 - 789.0 - Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Woods & Booth Lease Booth Well No. 3

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	766.1	15.1	37	41	78	433	31.	0.6	0.6	260	18.60
2	767.1	14.8	47	47	94	540	82.	1.0	1.6	540	82.00
3	768.1	22.8	35	44	79	619	202.	1.0	2.6	619	202.00
4	769.1	22.5	52	38	90	907	127.	1.2	3.8	1,088	152.40
5	770.1	21.8	56	32	88	947	60.	1.2	5.0	1,137	72.00
6	771.1	20.4	45	40	85	711	1.5	0.6	5.6	427	0.90
7	772.1	21.8	40	42	82	676	46.	1.0	6.6	676	46.00
8	773.1	21.4	46	38	84	763	46.	1.0	7.6	763	46.00
9	774.1	22.4	33	49	82	574	72.	1.0	8.6	574	72.00
10	775.1	22.0	40	41	81	683	21.	1.0	9.6	683	21.00
11	776.1	21.8	46	37	83	777	96.	1.3	10.9	1,010	124.80
12	777.1	20.2	54	42	96	846	17.	0.7	11.6	592	11.90
13	778.1	16.2	45	49	94	564	115.	1.0	12.6	564	115.00
14	779.1	20.2	52	36	88	814	88.	1.0	13.6	814	88.00
15	780.1	22.0	66	24	90	1,127	72.	1.0	14.6	1,127	72.00
16	781.1	21.9	42	44	86	714	17.	1.0	15.6	714	17.00
17	782.1	21.5	64	24	88	1,026	58.	1.0	16.6	1,026	58.00
18	783.1	21.6	50	39	89	836	3.3	1.0	17.6	836	3.30
19	784.1	20.2	59	30	89	924	61.	1.0	18.6	924	61.00
20	785.1	19.8	66	20	86	1,018	202.	1.0	19.6	1,018	202.00
21	786.1	20.6	64	19	83	1,028	202.	1.0	20.6	1,028	202.00
22	787.1	20.1	57	26	83	888	90.	1.0	21.6	888	90.00
23	788.1	18.8	62	27	89	903	6.4	1.1	22.7	993	7.04
								Total	-----	18,301	

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

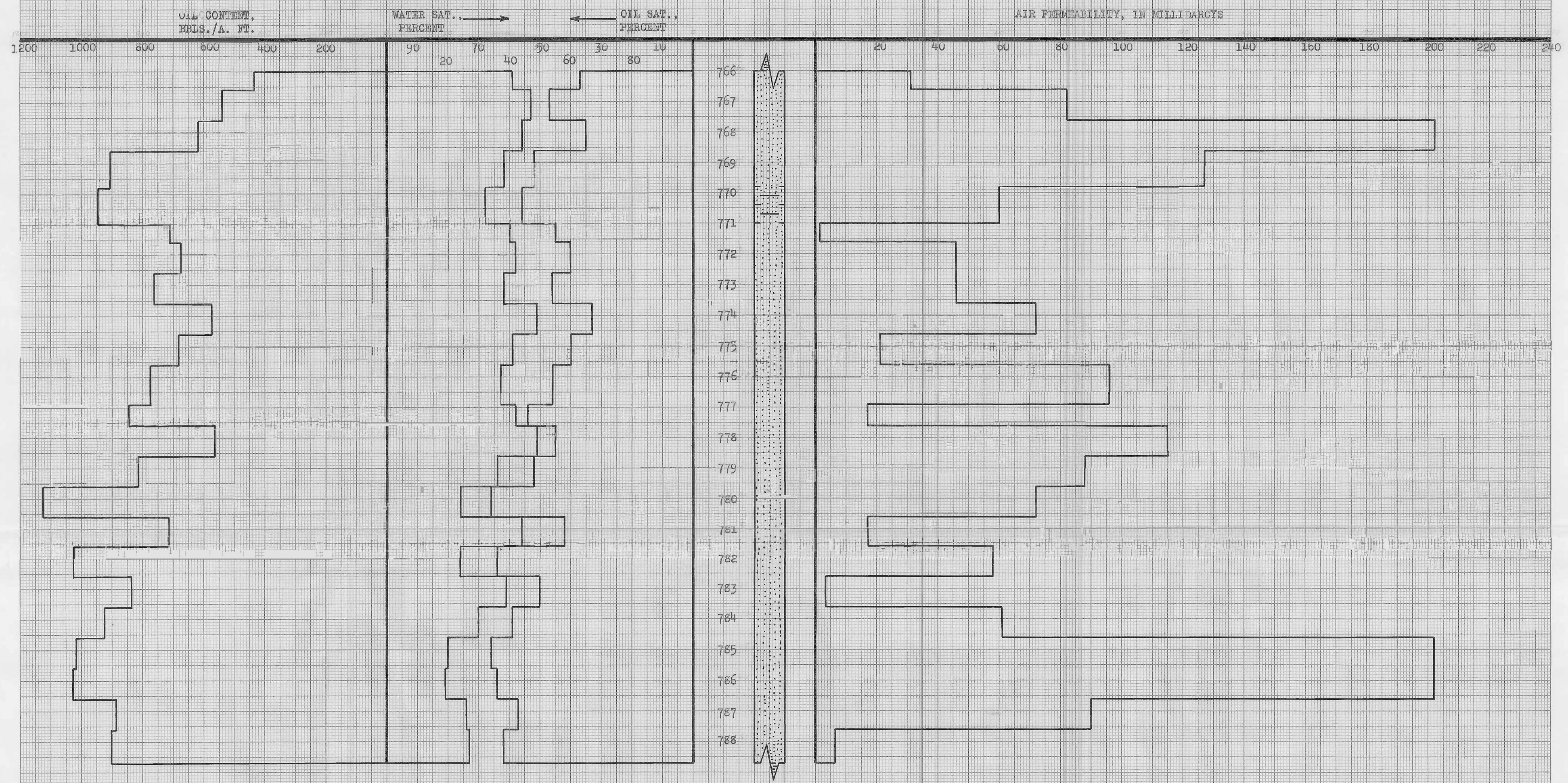
Company Woods & Booth Lease Booth Well No. 3

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
766.0 - 776.9	10.9	76.9	837.70
776.9 - 788.7	11.8	78.6	927.24
766.0 - 788.7	22.7	77.8	1,764.94

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
766.0 - 776.9	10.9	20.9	44.0	40.5	713	7,777
776.9 - 788.7	11.8	20.2	56.8	31.4	892	10,524
766.0 - 788.7	22.7	20.6	50.7	35.8	806	18,301

K&E STANDARD CROSS SECTION
MILLIMETER

KEUPPEL & ESSER CO.
MADE IN U.S.A.



SANDSTONE SHALY SANDSTONE SANDY SHALE SHALE

WOODS & BOOTH

BOOTH LEASE WELL NO. 3
ALLEN COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY, PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLs./A. FT.	TOTAL OIL CONTENT BBLs./ACRE	AVG. AIR PERMEABILITY, MILLIDARCYS
766.0 - 776.9	10.9	20.9	44.0	40.5	713	7.777	76.9
776.9 - 788.7	11.8	20.7	56.8	35.8	806	18.301	77.8
766.0 - 788.7	22.7	20.6	50.7	35.8	806	18.301	77.8