

OILFIELD RESEARCH LABORATORIES

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

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

Chanute, Kansas

August 17, 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 Long Lease, Well No. 36-YP, Wilson County, Kansas, and submitted to our laboratory on August 13, 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

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Long Well No. 36-YP

Location _____

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

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 780.0

Bottom of Core - - - - - 794.4

Top of Sand - - - - - 780.0

Bottom of Sand - - - - - 792.5

Total Feet of Permeable Sand - - - - - 11.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1	1.0	1.0
1 - 10	7.5	8.5
10 & above	3.0	11.5

Average Permeability Millidarcys - - - - - 7.7

Average Percent Porosity - - - - - 15.6

Average Percent Oil Saturation - - - - - 44.4

Average Percent Water Saturation - - - - - 33.7

Average Oil Content, Bbls./A. Ft. - - - - - 536.

Total Oil Content, Bbls./Acre - - - - - 6,711.

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 - - - - -

LOGCompany Fred E. Wood & Associates Lease Long Well No. 36-YP

Depth Interval, Feet	Description
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780.0 - 791.5	- Brown, fine grained, laminated, shaly sandstone.
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791.5 - 792.5	- Brown to dark, slightly carbonaceous sandstone.
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792.5 - 793.0	- Dark carbonaceous sandstone.
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793.0 - 794.2	- Coal.
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794.2 - 794.4	- Shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fred E. Wood & Associates Lease Long Well No. 36-YP

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	780.1	15.2	62	36	98	730	1.5	0.6	0.6	438	0.90
2	781.1	15.8	33	36	69	404	0.39	1.0	1.6	404	0.39
3	782.1	17.2	37	34	71	494	15.	1.0	2.6	494	15.00
4	783.1	16.8	34	34	68	443	8.0	1.0	3.6	443	8.00
5	784.1	16.1	49	24	73	611	13.	1.0	4.6	611	13.00
6	785.1	14.4	50	27	77	559	9.9	1.0	5.6	559	9.90
7	786.1	13.1	53	33	86	539	6.5	1.0	6.6	539	6.50
8	787.1	16.6	58	27	85	746	4.2	1.0	7.6	746	4.20
9	788.1	17.9	47	23	70	652	23.	1.0	8.6	652	23.00
10	789.1	13.6	41	43	84	431	1.0	1.0	9.6	431	1.00
11	790.1	13.1	40	46	86	406	Imp.	1.0	10.6	406	0.00
12	791.1	15.2	33	48	81	388	3.3	0.9	11.5	349	2.97
13	792.1	17.9	46	30	76	639	3.5	1.0	12.5	639	3.50
								Total-----		6,711	

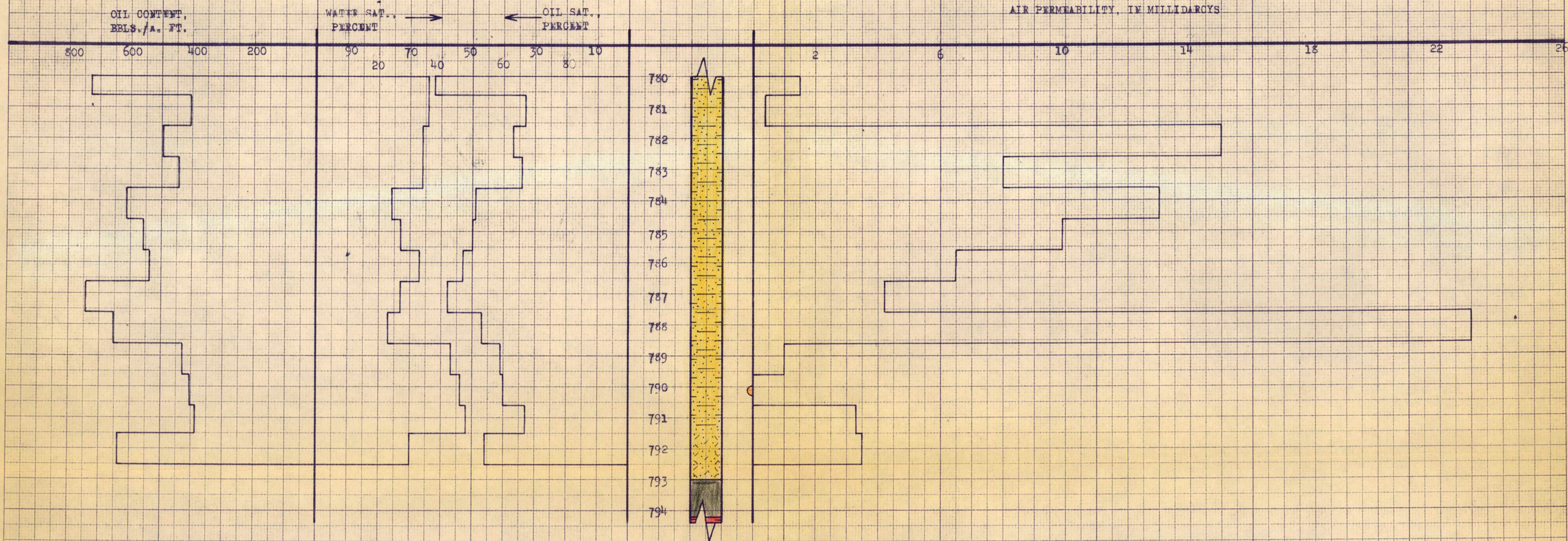
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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Fred E. Wood & Associates Lease Long Well No. 36-YP

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
780.0 - 788.6	8.6	9.4	80.89
788.6 - 792.5	2.9	2.6	7.47
780.0 - 792.5	11.5	7.7	88.36

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
780.0 - 788.6	8.6	15.9	46.4	30.2	568	4,886
788.6 - 792.5	3.9	14.9	40.2	41.6	468	1,825
780.0 - 792.5	12.5	15.6	44.4	33.7	536	6,711



FRED E. WOOD & ASSOCIATES

LONG LEASE

WILSON COUNTY, KANSAS

WELL NO. 36-YP

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
780.0 - 788.6	8.6	15.9	46.4	30.2	568	4,886	9.4
788.6 - 792.5	3.9	14.9	40.2	41.6	468	1,325	2.6
780.0 - 792.5	12.5	15.6	44.4	33.7	536	6,711	7.7