



OILFIELD RESEARCH LABORATORIES

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

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

Chanute, Kansas

October 16, 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. 42-WP, Wilson County, Kansas, and submitted to our laboratory on October 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

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 Long Well No. 42-WP

Location _____

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

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 761.0

Bottom of Core - - - - - 780.0

Top of Sand - - - - - 761.0

Bottom of Sand - - - - - 780.0

Total Feet of Permeable Sand - - - - - 16.4

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1.0	4.0	4.0
1 - 10.0	10.4	14.4
10 & above	2.0	16.4

Average Permeability Millidarcys - - - - - 4.5

Average Percent Porosity - - - - - 15.2

Average Percent Oil Saturation - - - - - 30.1

Average Percent Water Saturation - - - - - 52.5

Average Oil Content, Bbls./A. Ft. - - - - - 355.

Total Oil Content, Bbls./Acre - - - - - 6,748.

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 - - - - -

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-LOG-

Company Fred E. Wood & Associates Lease Long Well No. 42-WP

Depth Interval, Description
Feet

761.0 - 762.6 - Grayish light brown, shaly sandstone.

762.6 - 780.0 - Brown, laminated, shaly sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

[illegible]

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Fred E. Wood & Associates		Lease	Long	Well No.	42-WP
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
761.0 - 768.6	6.0	4.0	24.16			
768.6 - 780.0	10.4	4.8	49.85			
761.0 - 780.0	16.4	4.5	74.01			
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
761.0 - 768.6	7.6	14.4	24.5	55.5	275	2,092
768.6 - 780.0	11.4	15.7	33.6	50.3	409	4,656
761.0 - 780.0	19.0	15.2	30.1	52.5	355	6,748