

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

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July 30, 1962

Fred E. Wood & Associates
1416 Tower Building
Denver, Colorado

Gentlemen:

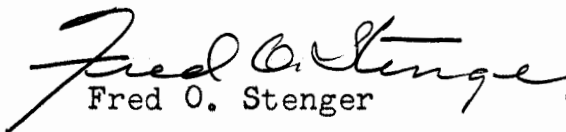
Enclosed herewith are the results of tests run on the Cable Tool core taken from the Ellis Lease, Well No. 35-RJ, Wilson County, Kansas, and submitted to our laboratory on July 27, 1962.

This core was sampled and the samples sealed in jars by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Fred O. Stenger

FOS:rf

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

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GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Ellis Well No. 35-RJ

Location 2530' from West line & 2070' from North line SE $\frac{1}{4}$

Section 29 Twp. 30S Rge. 16E County Wilson State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 789.8

Bottom of Core - - - - - 812.8

Good

Top of Sand - - - - - 791.6

Good

Bottom of Sand - - - - - 802.7

Total Feet of Permeable Sand - - - - - 13.6

Total Feet of Floodable Sand - - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5	6.0	6.0
5 - 10	2.0	8.0
10 - 40	4.7	12.7
40 & above	0.9	13.6

Average Permeability Millidarcys - - - - - 43.

Average Percent Porosity - - - - - 16.2

Average Percent Oil Saturation - - - - - 34.5

Average Percent Water Saturation - - - - - 48.0

Average Oil Content, Bbls./A. Ft. - - - - - 431.

Total Oil Content, Bbls./Acre - - - - - 6,555.

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 Ellis Well No. 35-KJ

<u>Depth Interval,</u>	<u>Description</u>
<u>Feet</u>	

789.8 - 791.6	- Hard grayish brown, shaly sandstone.
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791.6 - 802.7	- Brown, slightly shaly sandstone.
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802.7 - 810.5	- Core not received.
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810.5 - 811.9	- Brown, slightly shaly sandstone.
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811.9 - 812.8	- Gray shaly sandstone.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fred E. Wood & Associates

Lease Ellis

Well No. 35-RJ

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	790.2	12.5	43	53	416	0.37	1.0	1.0	416	0.37
2	791.1	13.8	34	49	363	0.22	0.8	1.8	290	0.18
3	792.1	16.1	34	38	424	1.7	0.9	2.7	382	1.53
4	793.0	14.4	44	38	491	9.4	1.0	3.7	491	9.40
5	794.0	13.3	42	51	433	4.6	1.0	4.7	433	4.60
6	795.0	15.6	28	47	338	13.0	1.0	5.7	338	13.00
7	796.1	16.5	33	51	421	9.9	1.0	6.7	421	9.90
8	796.8	17.5	31	43	420	Imp.	0.7	7.4	294	0.00
9	797.6	24.0	29	55	540	26.	0.9	8.3	485	23.40
10	798.6	20.0	20	67	310	30.	1.0	9.3	310	30.00
11	799.6	21.3	28	49	462	502.	0.9	10.2	416	452.00
12	800.4	10.6	30	67	246	1.6	0.9	11.1	221	1.44
13	801.2	20.9	51	27	826	24.	0.8	11.9	660	19.15
14	802.2	18.2	40	31	564	24.	1.0	12.9	564	24.00
15	811.2	15.4	41	43	490	1.7	1.4	14.3	687	2.38
16	812.3	10.0	21	58	163	Imp.	0.9	15.2	147	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Fred E. Wood & Associates Lease Ellis Well No. 35-WJ

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
789.8 - 796.5	6.7	5.8	38.98
797.2 - 811.9	6.9	80.	552.37
789.8 - 811.9	13.6	43.	591.35

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
789.8 - 797.2	7.4	14.9	36.4	46.5	414	3,065
797.2 - 812.8	7.8	17.4	32.7	49.5	448	3,490
789.8 - 812.8	15.2	16.2	34.5	48.0	431	6,555