



OILFIELD RESEARCH LABORATORIES

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

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

Chanute, Kansas

July 7, 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 Scott Lease, Well No. 49-HEJ, Wilson County, Kansas, and submitted to our laboratory on July 3, 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

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GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Scott Well No. 49-HEJ

Location _____

Section _____ Twp. _____ Rge. _____ County Wilson State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 752.0

Bottom of Core - - - - - 772.0

Top of Sand - - - - (Tested) - - - - 752.0

Bottom of Sand - - - - (Tested) - - - - 772.0

Total Feet of Permeable Sand - - - - - 16.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1

10.3

10.3

1 - 5

5.7

16.0

Average Permeability Millidarcys - - - - - 1.3

Average Percent Porosity - - - - - 13.8

Average Percent Oil Saturation - - - - - 36.9

Average Percent Water Saturation - - - - - 40.9

Average Oil Content, Bbls./A. Ft. - - - - - 394.

Total Oil Content, Bbls./Acre - - - - - 7,885.

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 Fred E. Wood & Associates Lease Scott Well No. 49-HEJ

Depth Interval, Description

Feet

752.0 - 761.4 - Grayish light brown, shaly sandstone.

761.4 - 768.3 - Brown shaly sandstone.

768.3 - 772.0 - Grayish brown, shaly sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

Company Fred E. Wood & Associates Lease Scott Well No. 49-HEJ

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	752.1	13.3	28	40	68	289	0.35	0.7	0.7	202	0.24
2	753.3	14.1	35	36	71	383	0.64	1.0	1.7	383	0.64
3	754.4	14.8	25	42	67	288	0.86	1.0	2.7	288	0.86
4	755.1	14.2	28	42	70	308	0.19	1.0	3.7	308	0.19
5	756.3	11.4	33	33	66	292	Imp.	1.0	4.7	292	0.00
6	757.1	13.4	38	33	71	396	0.44	1.0	5.7	396	0.44
7	758.1	14.9	24	49	73	278	0.37	1.0	6.7	278	0.37
8	759.3	15.4	25	49	74	299	0.89	1.0	7.7	299	0.89
9	760.1	13.2	33	47	80	338	1.9	1.0	8.7	338	1.90
10	761.2	11.0	39	58	97	333	Imp.	0.7	9.4	233	0.00
11	763.0	14.1	32	40	72	351	0.69	2.2	11.6	772	1.52
12	764.1	14.7	34	37	71	388	5.0	1.0	12.6	388	5.00
13	765.1	13.5	45	39	84	472	2.0	1.0	13.6	472	2.00
14	766.2	14.3	44	40	84	489	2.2	1.5	15.1	734	3.30
15	768.1	15.6	56	35	91	678	2.6	1.2	16.3	814	3.12
16	769.1	10.8	39	54	93	328	Imp.	1.3	17.6	426	0.00
17	770.1	11.1	57	40	97	491	Imp.	1.0	18.6	491	0.00
18	771.2	16.5	43	29	72	551	0.81	1.4	20.0	771	1.13
								Total-----		7,885	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Fred E. Wood & Associates	Lease	Scott	Well No.	49-HEJ
Depth Interval, Feet	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
752.0 - 761.4	752.0 - 761.4	7.7	0.72	5.53	
761.4 - 772.0	761.4 - 772.0	8.3	1.9	16.07	
752.0 - 772.0	752.0 - 772.0	16.0	1.3	21.60	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acre
752.0 - 761.4	9.4	13.7	30.6	42.5	3,017
761.4 - 772.0	10.6	13.9	42.5	39.2	4,868
752.0 - 772.0	20.0	13.8	36.9	40.9	7,885