



OILFIELD RESEARCH LABORATORIES

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

October 31, 1968

Partners Production Company
Box 192
Wellsville, Kansas 66092

Gentlemen:

Enclosed herewith are the results of tests run on the Cable tool core taken from the Kendall Lease, Well No. 6, Franklin County, Kansas, and submitted to our laboratory on October 26, 1968.

This core is from a virgin territory and was sampled and the samples sealed in plastic bags by a representative of Oilfield Research Laboratories.

Inasmuch as the core biscuits were so small, we were able to get only seven permeability samples from the core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:dp

5 c. - Wellsville, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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GENERAL INFORMATION & SUMMARY

Company Partners Production Company Lease Kendall Well No. 6

Location _____

Section 5 Twp. 17S Rge. 21E County Franklin State Kansas

Name of Sand - - - - - Middle Squirrel Lower Squirrel

Top of Core - (Recovered) - - - - - 693.5 693.5

Bottom of Core - - - - - 715.0 715.0

Top of Sand - (Recovered) - - - - - 693.5 707.4

Bottom of Sand - - - - - 700.0 712.0

Total Feet of Permeable Sand - - - - -

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
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Average Permeability Millidarcys - - - - -

Average Percent Porosity - - - - - 17.1 17.4

Average Percent Oil Saturation - - - - - 16.7 13.9

Average Percent Water Saturation - - - - - 73.3 79.5

Average Oil Content, Bbls./A. Ft. - - - - - 228. 191.

Total Oil Content, Bbls./Acre - - - - - 1489. 880.

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 Partners Production Company Lease Kendall Well No. 6

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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691.5 - 693.5	Cavings.
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MIDDLE SQUIRREL

693.5 - 695.5	Brown fine grained micaceous slightly shaly sandstone.
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695.5 - 700.0	Grayish light brown broken shaly sandstone.
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700.0 - 707.4	Sandy shale.
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LOWER SQUIRREL

707.4 - 712.0	Grayish light brown broken shaly sandstone.
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712.0 - 715.0	Sandy shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Partners Production Company Lease Kendall Well No. 6

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.		
					MIDDLE SQUIRREL SAND					
1	694.1	22.5	26	57	454	-	1.1	1.1	499	-
2	695.1	20.0	15	55	233	84.	0.9	2.0	210	75.60
3	696.1	16.0	16	81	198	Imp.	1.1	3.1	218	0.00
4	697.1	12.4	17	78	164	Imp.	1.0	4.1	164	0.00
5	698.1	16.3	11	84	139	Imp.	1.0	5.1	139	0.00
6	699.1	15.8	15	81	184	Imp.	1.4	6.5	259	0.00
					LOWER SQUIRREL SAND					
7	707.5	20.8	15	76	242	7.4	0.6	7.1	145	4.44
8	708.5	15.9	9	86	111	-	1.0	8.1	111	-
9	709.5	18.2	20	75	282	-	1.0	9.1	282	-
10	710.5	17.2	19	76	254	-	1.0	10.1	254	-
11	711.5	16.3	7	83	88	Imp.	1.0	11.1	88	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Partners Production Company Lease Kendall Well No. 6

Depth Interval, Feet	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
693.5 - 700.0	6.5	17.1	16.7	228
<u>MIDDLE SQUIRREL SAND</u>				
707.4 - 712.0	4.6	17.4	13.9	191
<u>LOWER SQUIRREL SAND</u>				
			73.3	1,489
			79.5	880