



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

April 25, 1979

Fleetwood Corporation
R.R. # 1
Centerville, Kansas 66014

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Voigts Lease, Well No. 1A-1, Johnson County, Kansas, and submitted to our laboratory on April 23, 1979.

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

SAM:cgb

1 c to Centerville, Kansas
4 c to Glenview, Illinois

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GENERAL INFORMATION & SUMMARY

Company	Fleetwood Corporation	Lease	Voigts	Well No.	1A-1
Location	990' WEL & 330' SNL NE				
Section	33	Twp.	14S	Rge.	22E
		County	Johnson		State Kansas
Name of Sand	- - - - -				Bartlesville
Top of Core	- - - - -				862.0
Bottom of Core	- - - - -				866.0
Top of Sand	- - - - -				862.5
Bottom of Sand	- - - - -				866.0
Total Feet of Permeable Sand	- - - - -				3.5
Total Feet of Floodable Sand	- - - - -				
Distribution of Permeable Sand:					
Permeability Range Millidarcys	Feet	Cum. Ft.			
0 - 10	1.7	1.7			
400 - 800	2.8	3.5			
Average Permeability Millidarcys	- - - - -				321.1
Average Percent Porosity	- - - - -				18.8
Average Percent Oil Saturation	- - - - -				58.1
Average Percent Water Saturation	- - - - -				9.4
Average Oil Content, Bbls./A. Ft.	- - - - -				848.
Total Oil Content, Bbls./Acre	- - - - -				2,968.
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 Fleetwood Corporation Lease Voigts Well No. 1A-1

<u>Depth Interval, Feet</u>	<u>Description</u>
862.0 - 862.5	Gray sandy shale.
862.5 - 862.9	Dark shaly sandstone.
862.9 - 864.7	Dark brown sandstone.
864.7 - 866.0	Dark shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fleetwood Corporation

Lease

Voigts

Well No. 1A-1

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	862.7	12.6	46	6	52	450	8.9	0.4	0.4	180	3.56
2	863.5	21.3	50	4	54	826	756.	1.1	1.5	909	831.60
3	864.5	21.1	65	3	68	1064	408.	0.7	2.2	745	285.60
4	865.5	17.3	65	4	69	872	2.3	1.3	3.5	1134	2.99

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Fleetwood Corporation	Lease	Voigts	Well No.	1A-1
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
862.5 - 866.0	3.5	321.1	1123.75		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
862.5 - 866.0	3.5	18.8	58.1	9.4	848
					2,968