OILFIELD RESEARCH LABORATORIES

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

June 22, 1979

Graybol-Patton Company
320 South Boston
Suite 642
Tulsa, Oklahoma 74103

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Meyer Lease, Well No. 21, Neosho County, Kansas, and submitted to our laboratory on June 16, 1979.

The core was sampled by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

Benjamin R. Pearman

BRP:km
4 c to Tulsa, Oklahoma

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GENERAL INFORMATION & SUMMARY

Company Graybol-Patton Company Lease Meyer Well No. 21

Location NW SW SW

Section 34 Twp. 27S Rge. 19E County Neosho State Kansas

Name of Sand	Bartlesville
Top of Core	716.0
Bottom of Core	734.0
Top of Sand	716.0
Bottom of Sand	732.8
Total Feet of Permeable Sand	11.6
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	3.0	3.0
1 - 5	5.8	8.8
11 - 27	2.8	11.6

Average Permeability Millidarcys	5.7
Average Percent Porosity	13.5
Average Percent Oil Saturation	
Average Percent Water Saturation	
Average Oil Content, Bbls./A. Ft.	
Total Oil Content, Bbls./Acre	
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

Name Graybol-Patton Company Lease Meyer Well No. 21

Depth Interval, Feet	Description
716.0 - 723.3	Light brown laminated shaly sandstone.
723.3 - 726.7	Light brown sandstone.
726.7 - 727.0	Gray shaly sandstone.
727.0 - 728.1	Brown sandstone.
728.1 - 732.8	Gray shaly sandstone.
732.8 - 734.0	Gray shale.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Graybol-Patton Company Lease Meyer Well No. 21

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	716.5	4.3	1.0	1.0	4.30	17.7
2	717.5	0.86	1.0	2.0	0.86	13.4
3	718.5	2.4	1.0	3.0	2.40	13.8
4	719.5	0.27	1.0	4.0	0.27	9.2
5	720.5	Imp.	1.0	5.0	0.00	6.0
6	721.5	Imp.	1.0	6.0	0.00	6.1
7	722.5	3.9	1.3	7.3	5.07	16.7
8	723.5	27.	0.7	8.0	18.90	22.0
9	724.5	12.	1.0	9.0	12.00	19.3
10	725.5	4.7	1.0	10.0	4.70	17.3
11	726.5	4.8	0.7	10.7	3.36	15.5
12	727.5	11.	1.1	11.8	12.10	16.5
13	728.5	Imp.	0.9	12.7	0.00	5.4
14	729.5	Imp.	1.0	13.7	0.00	9.2
15	730.5	0.60	1.0	14.7	0.60	16.4
16	731.5	Imp.	1.0	15.7	0.00	7.1
17	732.5	2.2	0.8	16.5	1.76	20.3

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company Graybol-Patton Company Lease Meyer Well No. 21

Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
716.0 - 723.3	7.3	2.4		12.90	12.0
723.3 - 732.8	9.2	8.5		53.42	14.6
716.0 - 732.8	16.5	5.7		66.32	13.5