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

February 7, 1980

Graybol-Patton Company
10 East Third Street
Holarud Building
Suite 301
Tulsa, Oklahoma 74103

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Meyer Lease, Well No. G-22, located 1250' from South Line and 220' from West Line, Northwest, Southwest, Southwest, Section 34, T-27S, R-19E, Neosho County, Kansas.

The core was sampled by a representative of the client and submitted to our laboratory on January 3, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas
5 c to Tulsa, Oklahoma

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GENERAL INFORMATION & SUMMARY

Company Graybol-Patton Company Lease Meyer Well No. G-22

Location 1250' FSL & 220' FWL NW SW SW

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

Elevation, Feet	
Name of Sand	Bartlesville
Top of Core	712.0
Bottom of Core	728.0
Top of Sand	712.0
Bottom of Sand	727.7
Total Feet of Permeable Sand	12.6

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 4	3.6	3.6
12 - 16	2.0	5.6
20 - 40	4.3	9.9
40 & Above	2.7	12.6

Average Permeability Millidarcys	23.7
Average Percent Porosity	16.6
Average Percent Oil Saturation	
Average Percent Water Saturation	
Average Oil Content, Bbls./A. Ft.	
Total Oil Content, Bbls./Acre	

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LOG

Name Graybol-Patton Company Lease Meyer Well No. G-22

Depth Interval, Feet	Description
	BARTLESVILLE
712.0 - 713.0	Light brown very shaly sandstone.
713.0 - 713.6	Light brown sandstone.
713.6 - 714.3	Gray laminated shale.
714.3 - 716.3	Light brown very shaly sandstone.
716.3 - 717.0	Light brown sandstone.
717.0 - 718.0	Gray and light brown laminated sandstone and shale.
718.0 - 721.0	Brown sandstone.
721.0 - 721.6	Light brown shaly sandstone.
721.6 - 722.4	Gray sandy shale.
722.4 - 723.1	Brown sandstone.
723.1 - 723.4	Gray sandy shale.
723.4 - 724.7	Brown sandstone.
724.7 - 725.0	Gray sandy shale.
725.0 - 727.7	Brown sandstone.
727.7 - 728.0	Gray sandy shale.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Graybol-Patton Company Lease Meyer Well No. G-22

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	712.5	0.26	1.0	1.0	0.26	11.4
2	713.5	13.	0.6	1.6	7.80	11.2
3	714.5	1.1	1.0	2.6	1.10	11.3
4	715.5	0.34	1.0	3.6	0.34	10.3
5	716.5	12.	0.7	4.3	8.40	14.2
6	717.5	Imp.	1.0	5.3	0.00	9.6
7	718.5	47.	1.0	6.3	47.00	22.2
8	719.5	32.	1.0	7.3	32.00	20.1
9	720.5	24.	1.0	8.3	24.00	19.1
10	721.5	2.7	0.6	8.9	1.62	14.4
11	722.5	54.	0.7	9.6	37.80	22.0
12	723.5	31.	0.6	10.2	18.60	20.4
13	724.5	35.	0.7	10.9	24.50	20.4
14	725.5	36.	1.0	11.9	36.00	20.8
15	726.5	49.	1.0	12.9	49.00	20.1
16	727.5	14.	0.7	13.6	9.80	20.0

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company Graybol-Patton Company Lease Meyer Well No. G-22

Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
712.0 - 727.7	13.6	23.7		298.22	16.6