



# OILFIELD RESEARCH LABORATORIES

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

May 26, 1981

Graybol- Patton Company  
Suite 301 Holarud Bldg.  
10 East 3rd Street  
Tulsa, Oklahoma 74103

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Meyer Lease, Well No. G-29, located in Neosho County, Kansas.

The core was sampled by a representative of the client and was submitted to our laboratory on May 20, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Tulsa, Oklahoma

**Oilfield Research Laboratories**  
**GENERAL INFORMATION & SUMMARY**

Company Graybol-Patton Company Lease Meyer Well No. G-29  
 Location \_\_\_\_\_  
 Section 34 Twp. 27S Rge. 19E County Neosho State Kansas

Elevation, Feet .....

Name of Sand .....

Bartlesville

Top of Core .....

740.0

Bottom of Core .....

749.0

Top of Sand .....

740.0

Bottom of Sand .....

749.0

Total Feet of Permeable Sand .....

8.0

Distribution of Permeable Sand:  
 Permeability Range  
 Millidarcys

Feet

Cum. Ft.

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 7	4.1	4.1
130 - 165	2.9	7.0
200 - 205	1.0	8.0

Average Permeability Millidarcys .....

79.7

Average Percent Porosity .....

17.9

Average Percent Oil Saturation .....

47.5

Average Percent Water Saturation .....

14.8

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

649.

Total Oil Content, Bbls./Acre .....

5,843.



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## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Graybol-Patton Company Lease Meyer Well No. G-29

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	740.5	13.0	47	11	58	474	3.6	1.3	1.3	616	4.68
2	741.6	20.0	36	15	51	559	130.	1.0	2.3	559	130.00
3	742.5	20.7	43	11	54	691	163.	0.9	3.2	622	146.70
4	743.5	21.6	41	18	59	687	145.	1.0	4.2	687	145.00
5	744.6	21.0	38	20	58	619	203.	1.0	5.2	619	203.00
6	745.5	18.0	49	11	60	684	6.3	1.0	6.2	684	6.30
7	746.3	19.8	47	29	76	722	1.6	0.5	6.7	361	0.80
8	747.6	15.8	75	12	87	919	0.59	1.3	8.0	1195	0.77
9	748.6	15.0	43	15	58	500	Imp.	1.0	9.0	500	0.00

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Meyer	Well No.
Graybol-Patton Company			G-29
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys
	740.0 - 749.0	8.0	79.7
			Permeability Capacity Ft. x Md.
			637.25
	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Water Saturation
	740.0 - 749.0	9.0	14.8
			Average Percent Oil Saturation
			47.5
			Average Percent Porosity
			17.9
			Average Oil Content Bbl./A. Ft.
			649
			Total Oil Content Bbls./Acre
			5,843