



OILFIELD RESEARCH LABORATORIES

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

June 19, 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. 20, Neosho County, Kansas, and submitted to our laboratory on June 12, 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

SAM:km
5 c to Tulsa, Oklahoma

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Graybol-Patton Company Lease Meyer Well No. 20

Location SE SW SW

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

Name of Sand	- - - - -	Bartlesville
Top of Core	- - - - -	702.0
Bottom of Core	- - - - -	720.0
Top of Sand	- - - - -	704.0
Bottom of Sand	- - - - -	720.0
Total Feet of Permeable Sand	- - - - -	14.3
Total Feet of Floodable Sand	- - - - -	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5	8.8	8.8
5 - 10	3.2	12.0
10 - 30	2.3	14.3

Average Permeability Millidarcys	- - - - -	5.6
Average Percent Porosity	- - - - -	14.0
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. 20

<u>Depth Interval, Feet</u>	<u>Description</u>
702.0 - 704.0	Gray sandy shale.
704.0 - 707.2	Light brown slightly shaly sandstone.
707.2 - 710.7	Light brown very shaly sandstone.
710.7 - 714.0	Brown slightly shaly sandstone.
714.0 - 720.0	Brown very shaly sandstone.

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RESULTS OF PERMEABILITY AND POROSITY TESTS
TABLE I A

Company Graybol-Patton Company Lease Meyer Well No. 20

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	704.5	6.0	1.0	1.0	6.00	17.4
2	705.5	2.3	1.0	2.0	2.30	13.8
3	706.5	6.5	1.2	3.2	7.80	16.6
4	707.5	1.5	0.8	4.0	1.20	10.9
5	708.5	0.92	1.0	5.0	0.92	12.1
6	709.5	0.80	1.0	6.0	0.80	10.7
7	710.5	Imp.	0.7	6.7	0.00	8.4
8	711.5	26.	1.3	8.0	33.80	20.4
9	712.5	8.0	1.0	9.0	8.00	17.6
10	713.5	13.	1.0	10.0	13.00	20.2
11	714.5	0.19	1.0	11.0	0.19	11.2
12	715.5	2.0	1.0	12.0	2.00	14.2
13	716.5	0.78	1.0	13.0	0.78	13.7
14	717.5	0.73	1.0	14.0	0.73	10.8
15	718.5	2.7	1.0	15.0	2.70	12.9
16	719.5	Imp.	1.0	16.0	0.00	8.6