

OILFIELD RESEARCH LABORATORIES

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

July 16, 1980

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

Gentlemen:


Attached hereto are the results of tests run on the rotary core taken from the Hudson Lease, Well No. 6-B, located in the Center of the South $\frac{1}{2}$ of the Southeast $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 10, T-28S, R-19E, Neosho County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories after being received in the laboratory on June 9, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

4 c to Tulsa, Oklahoma

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Graybol-Patton Company Lease Hudson Well No. 6-B
 Location Center of S $\frac{1}{2}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$
 Section 10 Twp. 28S Rge. 19E County Neosho State Kansas

Elevation, Feet	
Name of Sand	Cattleman
Top of Core	672.0
Bottom of Core	692.0
Top of Sand	672.0
Bottom of Sand	692.0
Total Feet of Permeable Sand	15.9

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	5.4	5.4
10 - 20	2.0	7.4
20 - 40	4.1	11.5
40 - 55	1.9	13.4
60 & Above	2.5	15.9

Average Permeability Millidarcys	29.7
Average Percent Porosity	20.0
Average Percent Oil Saturation	
Average Percent Water Saturation	
Average Oil Content, Bbls./A. Ft.	
Total Oil Content, Bbls./Acre	

OILFIELD RESEARCH LABORATORIES

LOGName Graybol-Patton Company Lease Hudson Well No. 6-B

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>CATTLEMAN SAND</u>
672.0 - 677.1	Grayish light brown sandstone.
677.1 - 681.2	Gray sandy shale.
681.2 - 685.7	Brown sandstone
685.7 - 687.9	Grayish light brown slightly carbonaceous shaly sandstone.
687.9 - 688.8	Light brown sandstone.
688.8 - 692.0	Light brown shaly sandstone.

Oilfield Research Laboratories
RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Graybol-Patton Company Lease Hudson Well No. 6-B

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	672.5	21.	1.0	1.0	21.00	22.1
2	673.5	58.	1.0	2.0	58.00	23.7
3	674.5	28.	1.0	3.0	28.00	21.8
4	675.5	14.	1.0	4.0	14.00	21.7
5	676.5	31.	1.1	5.1	34.10	22.1
6	681.4	60.	1.0	6.1	60.00	24.2
7	682.5	115.	0.5	6.6	57.50	24.4
8	683.5	33.	1.0	7.6	33.00	18.2
9	684.5	92.	1.0	8.6	92.00	24.4
10	685.5	11.	1.0	9.6	11.00	19.5
11	686.5	3.8	1.0	10.6	3.80	16.7
12	688.5	5.9	1.2	11.8	7.08	16.7
13	688.5	46.	0.9	12.7	41.40	21.6
14	689.5	1.5	1.2	13.9	1.80	14.5
15	690.5	5.2	1.0	14.9	5.20	17.5
16	691.5	4.7	1.0	15.9	4.70	15.5