

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: HE 1-2650

September 1, 1961

Gordon Willis
319 West 7th
Chanute, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Cable tool core taken from the Moon "B" Lease, Well No. 8, Woodson County, Kansas, and submitted to our laboratory on August 29, 1961.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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Company Gordon Willis Lease Moon "B" Well No. 8

Depth Interval, Description
Feet

722.0 - 722.7 - Gray and brown calcareous sandstone.

722.7 - 723.5 - Brown calcareous sandstone.

723.5 - 727.2 - Brown sandstone.

727.2 - 729.7 - Laminated sandstone and shale.

729.7 - 734.2 - Brown sandstone.

734.2 - 736.0 - Brown laminated shaley sandstone.

736.0 - 741.4 - Laminated sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Gordon Willis Lease Moon "B" Well No. 8

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			Ft.	Cum. Ft.			
1	722.1	10.2	29	36	230	Imp.	0.7	0.7	161	0.00	
2	723.1	15.8	56	31	686	6.2	0.8	1.5	549	4.96	
3	724.1	21.4	49	35	806	102.	1.1	2.6	887	112.20	
4	725.1	19.3	49	36	734	56.	1.0	3.6	734	56.00	
5	726.1	19.4	47	34	707	26.	0.6	4.6	707	26.00	
6	727.1	21.4	54	35	888	32.	1.0	5.2	533	19.20	
7	728.5	16.6	43	49	554	-	1.0	6.2	554	-	
8	730.1	21.0	47	37	766	149.	0.9	7.1	690	134.10	
9	731.1	21.4	45	39	740	118.	1.0	8.1	740	118.00	
10	732.1	21.7	44	39	741	161.	1.0	9.1	741	161.00	
11	733.1	22.7	45	36	792	314.	1.0	10.1	792	314.00	
12	734.1	22.3	46	36	796	308.	0.6	10.7	478	184.80	
13	735.1	18.7	48	35	696	73.	1.8	12.5	1,254	131.40	
Total							-----		8,820		

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III - B

Company		Lease		Moon "B"		Well No.				
Gordon Willis						8				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Depth Interval, Feet	Feet of Core Analyzed	Average Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
722.0 - 729.0	4.5	48.6	218.36	722.0 - 729.0	4.5	18.0	46.9	36.8	665	4,125
729.7 - 736.0	6.3	165.9	1043.30	729.7 - 736.0	6.3	20.9	43.0	36.8	745	4,695
722.0 - 736.0	10.8	117.0	1261.66	722.0 - 736.0	10.8	19.4	44.9	36.8	705	8,820