

OILFIELD RESEARCH LABORATORIES

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March 12, 1959

7-22-12E

Graves & English Drilling Company
P. O. Box 332
El Dorado, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Cable Tool core taken from the Curtis Lease, Well No. 3, Greenwood County, Kansas, and submitted to our laboratory on March 8, 1959.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. McElrea

Carl L. McElrea

CLM:cs

5 c.

Curtis 3

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Co.

Company Graves & English Drilling Lease Curtis Well No. 3

Location _____

Section 7 Twp. 22S Rge. 12E County Greenwood State Kansas

Name of Sand	Bartlesville
Top of Core	1751.0
Bottom of Core	1763.5
Top of Sand	?
Bottom of Sand	(Analyzed) 1757.0
Total Feet of Permeable Sand	(Analyzed) 4.3
Total Feet of Floodable Sand	-

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	2.4	2.4
10 - 20	1.1	3.5
20 & over	0.8	4.3

Average Permeability Millidarcys	11.8
Average Percent Porosity	19.4
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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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Graves & English Drilling Co. Lease Curtis Well No. 3

Sample No.	Depth, Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	1752.1	24.	0.8	0.8	19.20	20.3
2	1752.8	6.8	0.5	1.3	3.40	20.1
3	1753.2	4.9	0.5	1.8	2.45	20.6
4	1753.7	9.0	0.5	2.3	4.50	17.8
5	1754.2	6.5	0.5	2.8	3.25	18.0
6	1754.7	11.	0.5	3.3	5.50	19.2
7	1756.3	14.	0.6	3.9	8.40	19.5
8	1756.9	9.9	0.4	4.3	3.96	20.1

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company	Graves & English Drilling Co.	Lease	Curtis	Well No.	3
Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
1751.7 - 1757.0	4.3	11.8	-	50.66	19.4