

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
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CHANUTE, KANSAS
PHONE: HE 1-2630

June 8, 1962

R.P. Baker & C.K. Gilliland
Box 454
Eldorado, Kansas

Gentlemen:

Attached hereto are the results of tests run on the Rotary core taken from the Bartgis Lease, Well No. 1, Cowley County, Kansas, and submitted to our laboratory on June 5, 1962.

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


Fred O. Stenger

FOS:rf

1 c. - Bob Boley

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company R.P. Baker & C.K. Gilliland Lease Bartgis Well No. 1

Location NW NW NE

Section 17 Twp. 34S Rge. 8E County Cowley State Kansas

Name of ~~Sand~~ Formation Pawnee Limestone

Top of Core - - - - - 2090.0

Bottom of Core - - - - - 2100.0

Top of ~~Sand~~ Limestone - - - - - ?

Bottom of ~~Sand~~ Limestone - - - - - 2097.0

Total Feet of Permeable ~~Sand~~ Limestone - - - - - None.

Total Feet of Floodable Sand - - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.

Average Permeability Millidarcys - - - - - Imp.

Average Percent Porosity - - - - - 6.5

Average Percent Oil Saturation - - - - - 24.1

Average Percent Water Saturation - - - - - 65.2

Average Oil Content, Bbls./A. Ft. - - - - - 117.

Total Oil Content, Bbls./Acre - - - - - 821.

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-

Company R.P. Baker & C.K. Gilliland Lease Bartgis Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
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2090.0 - 2097.0	- Brownish gray, fossiliferous limestone.
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2097.0 - 2098.3	- Shale.
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2098.3 - 2099.5	- Hard calcareous shale.
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2099.5 - 2100.0	- Shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company R.P. Baker & C.K. Gilliland Lease Bartgis Well No. 1

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	2090.1	7.6	29	57	171	Imp.	0.5	0.5	86	0.00
2	2091.1	6.6	27	52	138	Imp.	1.0	1.5	138	0.00
3	2092.1	5.9	26	66	119	Imp.	1.0	2.5	119	0.00
4	2093.1	7.4	22	74	126	Imp.	1.0	3.5	126	0.00
5	2094.1	8.0	11	84	68	Imp.	1.0	4.5	68	0.00
6	2095.1	6.1	14	61	66	Imp.	1.0	5.5	66	0.00
7	2096.1	5.2	36	60	145	Imp.	1.5	7.0	218	0.00
							Total	-----	821	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		R.P. Baker & C.K. Gilliland		Lease	Bartgis		Well No.		1
Depth Interval, Feet	Feet of Core Analyzed	Average Porosity Percent	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
2090.0 - 2097.0	7.0	6.5	24.1	65.2	Imp.	0.00			
2090.0 - 2097.0	7.0	6.5	24.1	65.2	117	821			