



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

October 7, 1967

Prince Brothers Drilling Company, et al
P. O. Box 992
Electra, Texas 76360

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the C. F. Griffith Lease, Well No. 1, Bourbon County, Kansas, and submitted to our laboratory on October 5, 1967.

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:ojo

5 c. - Electra, Texas

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GENERAL INFORMATION & SUMMARY

Company Prince Brothers Drilling Lease C. F. Griffith Well No. 1

Location 500 NSL & 200 EWL

Section 12 Twp. 24S Rge. 21E County Bourbon State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 690.0

Bottom of Core - - - - - 708.0

Top of Sand - (Tested) - - - - - 690.0

Bottom of Sand - - - - - 702.2

Total Feet of Permeable Sand - - - - - 10.9

Total Feet of Floodable Sand - - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

1 - 20	3.2	3.2
20 - 100	5.7	8.9
100 & above	2.0	10.9

Average Permeability Millidarcys - - - - - 61.0

Average Percent Porosity - - - - - 18.3

Average Percent Oil Saturation - - - - - 22.7

Average Percent Water Saturation - - - - - 61.2

Average Oil Content, Bbls./A. Ft. - - - - - 325.

Total Oil Content, Bbls./Acre - - - - - 3,866.

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 Prince Brothers Drilling Company Lease C. F. Griffith Well No. 1

Depth Interval, Description
Feet

690.0 - 692.5 - Light brown laminated sandstone.

692.5 - 700.7 - Grayish light brown sandstone.

700.7 - 701.0 - Laminated sandy shale.

701.0 - 702.2 - Grayish light brown sandstone.

702.2 - 702.3 - Dark carbonaceous sandstone.

702.3 - 708.0 - Shale

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Prince Brothers Drilling Company, et al Lease C. F. Griffith 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	Total			Ft.	Cum. Ft.		
1	690.1	20.3	23	65	88	362	20.	0.5	0.5	181	10.00
2	691.1	21.3	36	38	74	594	137.	1.0	1.5	594	137.00
3	692.1	20.6	25	50	75	399	92.	1.0	2.5	399	92.00
4	693.1	20.1	27	53	80	421	1.2	1.0	3.5	421	1.20
5	694.1	19.9	21	61	82	324	60.	1.0	4.5	324	60.00
6	695.1	17.8	24	59	83	331	12.	1.0	5.5	331	12.00
7	696.1	17.1	19	69	88	252	94.	1.0	6.5	252	94.00
8	697.1	16.3	22	72	94	278	Imp.	1.0	7.5	278	0.00
9	698.1	16.3	13	75	88	164	112.	1.0	8.5	164	112.00
10	699.1	18.0	19	71	90	266	34.	1.0	9.5	266	34.00
11	700.1	16.2	25	62	87	314	62.	1.2	10.7	376	74.40
12	701.1	17.9	19	63	82	264	52.	0.5	11.2	132	26.50
13	702.1	16.0	17	59	76	211	17.	0.7	11.9	148	11.90

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Prince Brothers Drilling Company et al		Lease C. F. Griffith		Well No. 1	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
690.0 - 702.2	10.9	61.0	665.00		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
690.0 - 702.2	11.9	18.3	22.7	325	3,866