



OILFIELD RESEARCH LABORATORIES

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April 29, 1981

Harold E. Waeckerle
1012 Baltimore
Suite 600
Kansas City, Missouri 64105

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Burt-Dunbar Lease, Well No. 7, Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and submitted to our laboratory on April 22, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem

4 c to Kansas City, Mo
1 c to Newton, Ks.

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Harold E. Waeckerle Lease Burt-Dunbar Well No. 7
 Location -
 Section 10 Twp. 35S Rge. 15E County Montgomery State Kansas

Elevation, Feet
 Name of Sand..... Bartlesville
 Top of Core 1177.0
 Bottom of Core 1201.0
 Top of Sand 1177.0
 Bottom of Sand 1199.3
 Total Feet of Permeable Sand 12.5

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	3.7	3.7
10 - 50	5.8	9.5
50 & Above	3.0	12.5

Average Permeability Millidarcys 26.5
 Average Percent Porosity 17.3
 Average Percent Oil Saturation 38.0
 Average Percent Water Saturation..... 41.0
 Average Oil Content, Bbls./A. Ft. 510.
 Total Oil Content, Bbls./Acre..... 7,337.

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LOGCompany Harold E. Waeckerle Lease Burt-Dunbar Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
1177.0 - 1178.2	Grayish light brown shaly sandstone.
1178.2 - 1179.4	Light brown sandstone.
1179.4 - 1180.8	Grayish light brown shaly sandstone.
1180.8 - 1183.0	Light brown sandstone.
1183.0 - 1184.0	No core.
1184.0 - 1184.9	Light brown sandstone.
1184.9 - 1186.0	Grayish light brown shaly sandstone.
1186.0 - 1188.8	Light brown slightly calcareous sandstone.
1188.8 - 1190.7	Grayish light brown slightly calcareous shaly sandstone.
1190.7 - 1192.5	Light brown slightly calcareous sandstone.
1192.5 - 1198.4	Grayish light brown slightly sandy shale.
1198.4 - 1199.3	Grayish light brown sandstone.
1199.3 - 1201.0	Grayish light brown slightly sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Harold E. Waeckerle Lease Burt-Dunbar Well No. 7

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	1177.6	15.5	42	50	92	505	1.5	1.2	1.2	606	1.80
2	1178.5	21.1	36	32	68	589	50.	1.2	2.4	707	60.00
3	1179.6	14.8	33	51	84	379	2.2	0.8	3.2	303	1.76
4	1180.5	15.5	47	45	92	565	6.3	0.6	3.8	339	3.78
5	1181.5	18.6	28	44	72	404	12.	1.2	5.0	485	14.40
6	1184.6	17.8	48	25	73	663	19.	0.9	5.9	597	17.10
7	1185.5	15.7	55	40	95	670	4.9	1.1	7.0	737	5.39
8	1186.5	16.5	52	44	96	666	12.	1.0	8.0	666	12.00
9	1187.5	18.4	50	30	80	714	60.	1.0	9.0	714	60.00
10	1188.5	19.7	32	41	73	489	130.	0.8	9.8	391	104.00
11	1189.5	17.6	34	47	81	467	Imp.	1.0	10.8	467	0.00
12	1190.4	14.0	37	48	85	404	Imp.	0.9	11.7	364	0.00
13	1191.3	20.0	39	31	70	605	28.	1.0	12.7	605	28.00
14	1192.3	16.3	11	57	68	139	12.	0.8	13.5	111	9.60
15	1198.7	16.7	21	35	56	272	15.	0.9	14.4	245	13.50

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.		Well No.
Harold E. Waeckerle	Burt-Dunbar			7
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
1177.0 - 1199.3	12.5	26.5	331.33	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation
1177.0 - 1199.3	14.4	17.3	38.0	41.0
			Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
			510	7,337