



OILFIELD RESEARCH LABORATORIES

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

September 12, 1966

Dunne Brothers
1732 Wichita Plaza
Wichita, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Dunne Bros. Lease, Well No. 2 Dunne, Butler County, Kansas, and submitted to our laboratory on September 8, 1966.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

John L. Pate
John L. Pate

JLP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company	<u>Dunne Brothers</u>	Lease	<u>Dunne Bros.</u>	Well No.	<u>2 Dunne</u>
Location	<u>NW NW NW</u>				
Section	<u>17</u>	Twp.	<u>26S</u>	Rge.	<u>8E</u>
	County		<u>Butler</u>		State <u>Kansas</u>
Name of Sand	-				Bartlesville
Top of Core	-				2657.0
Bottom of Core	-				2677.0
Top of Sand	- (Analyzed) -				2660.0
Bottom of Sand	-				2671.6
Total Feet of Permeable Sand	-				11.6
Total Feet of Floodable Sand	-				
Distribution of Permeable Sand:					
Permeability Range	Feet		Cum. Ft.		
Millidarcys					
0 - 10	4.6		4.6		
10 - 25	3.0		7.6		
25 & above	4.0		11.6		
Average Permeability Millidarcys	-				19.7
Average Percent Porosity	-				18.9
Average Percent Oil Saturation	-				26.4
Average Percent Water Saturation	-				47.0
Average Oil Content, Bbls./A. Ft.	-				387.
Total Oil Content, Bbls./Acre	-				4,492.
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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Company Dunne Brothers Lease Dunne Bros. Well No. 2 Dunne

Depth Interval, Feet	Description
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2657.0 - 2660.0	- Gray shaly sandstone.
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2660.0 - 2671.6	- Light brown, slightly shaly sandstone.
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2671.6 - 2677.0	- Shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company		Dunne Brothers		Lease		Dunne Bros.		Well No.		2 Dunne	
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	2660.1	16.4	18	60	78	229	1.9	0.6	0.6	137	1.14
2	2661.1	19.7	19	44	63	291	5.0	1.0	1.6	291	5.00
3	2662.1	18.5	29	44	73	416	24.	1.0	2.6	416	24.00
4	2663.1	18.5	28	45	73	402	2.5	1.0	3.6	402	2.50
5	2664.1	18.8	27	48	75	394	11.	1.0	4.6	394	11.00
6	2665.1	17.8	29	45	74	400	6.1	1.0	5.6	400	6.10
7	2666.1	18.8	42	46	88	612	4.0	1.0	6.6	612	4.00
8	2667.1	15.2	20	64	84	236	12.	1.0	7.6	236	12.00
9	2668.1	18.1	25	49	74	351	45.	1.0	8.6	351	45.00
10	2669.1	21.2	21	41	62	346	47.	1.0	9.6	346	47.00
11	2670.1	21.4	33	43	76	548	35.	1.0	10.6	548	35.00
12	2671.1	21.0	22	40	62	359	36.	1.0	11.6	359	36.00
								Total	-----	4,492	