



OILFIELD RESEARCH LABORATORIES

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

January 4, 1967

Jack Hobson
2073 $\frac{1}{2}$ North Dort Highway
Flint 6, Michigan

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Floyd Dotson Lease, Well No. 3, Bourbon County, Kansas, and submitted to our laboratory on December 30, 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

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

4 c. - Flint, Michigan
1 c. - Jack Hobson
1 c. - Joe Rolls

-LOG-

Company Jack Hobson Lease Floyd Dotson Well No. 3

<u>Depth Interval,</u>	<u>Description</u>
<u>Feet</u>	

BARTLESVILLE SAND

288.5 - 297.6 - Grayish light brown, coarse grained sandstone containing scattered thin coal laminations.

297.6 - 307.5 - Brownish gray, coarse grained sandstone.

TUCKER SAND

324.0 - 341.6 - Gray, coarse grained sandstone.

341.6 - 342.8 - Dark, carbonaceous, coarse grained sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Jack Hobson Lease Floyd Dotson Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
					<u>BARTLESVILLE</u>					
1	289.1	12.7	37	43	364	16.	1.1	1.1	400	17.60
2	290.1	15.6	19	74	230	21.	1.0	2.1	230	21.00
3	291.1	14.3	20	47	222	9.1	1.0	3.1	222	9.10
4	292.1	16.7	10	39	129	8.4	1.0	4.1	129	8.40
5	293.1	20.3	12	65	189	23.	1.0	5.1	189	23.00
6	294.1	21.8	12	74	203	231.	1.0	6.1	203	231.00
7	295.1	16.7	7	90	91	1.5	1.0	7.1	91	1.50
8	296.3	17.3	24	56	322	6.6	1.0	8.1	322	6.60
9	297.1	15.9	10	60	123	102.	1.0	9.1	123	102.00
10	298.1	27.7	4	94	86	6140.	1.0	10.1	86	6140.00
11	299.1	26.4	6	85	123	2410.	1.0	11.1	123	2410.00
12	300.1	25.0	4	87	78	1980.	1.0	12.1	78	1980.00
13	301.1	25.4	4	85	76	2315.	1.0	13.1	76	2315.00
14	302.1	23.1	6	86	108	2410.	1.0	14.1	108	2410.00
15	303.1	24.7	2	78	38	2275.	1.0	15.1	38	2275.00
16	304.1	26.4	6	89	123	3510.	1.0	16.1	123	3510.00
17	305.1	26.3	8	88	163	3720.	1.0	17.1	163	3720.00
18	306.1	27.0	10	88	209	4385.	1.9	19.0	397	8330.00

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Jack Hobson Lease Floyd Dotson Well No. 3

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.		
19	324.1	25.6	2	94	40	2360.	0.6	0.6	24	1416.00
20	325.1	24.6	1	92	19	916.	1.0	1.6	19	916.00
21	326.1	26.0	3	94	60	1096.	1.0	2.6	60	1096.00
22	327.1	24.8	3	94	57	768.	1.0	3.6	57	768.00
23	328.1	24.4	1	95	19	2725.	1.0	4.6	19	2725.00
24	329.1	24.5	2	96	38	1833.	1.0	5.6	38	1833.00
25	330.1	24.3	6	88	113	2010.	1.0	6.6	113	2010.00
26	331.1	24.5	3	92	57	1335.	1.0	7.6	57	1335.00
27	332.1	23.3	3	95	54	1320.	1.0	8.6	54	1320.00
28	333.1	23.0	2	95	36	1682.	1.0	9.6	36	1682.00
29	334.1	23.6	2	95	36	1115.	1.0	10.6	36	1115.00
30	335.1	23.5	2	96	36	1445.	1.0	11.6	36	1445.00
31	336.1	23.5	2	96	36	2010.	1.0	12.6	36	2010.00
32	337.1	24.2	3	95	56	1228.	1.0	13.6	56	1228.00
33	338.1	23.9	1	96	19	916.	1.0	14.6	19	916.00
34	339.1	23.0	1	97	18	767.	1.0	15.6	18	767.00
35	340.1	22.9	1	97	18	682.	1.0	16.6	18	682.00
36	341.1	24.7	2	90	38	930.	1.0	17.6	38	930.00

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.
Jack Hobson	Floyd Dotson	3
<u>BARTLESVILLE</u>		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys
288.5 - 297.6	9.1	46.2
297.6 - 307.5	9.9	3342.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity
288.5 - 297.6	9.1	16.8
297.6 - 307.5	9.9	26.0
288.5 - 307.5	19.0	21.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	24.1
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	60.7
297.6 - 307.5	9.9	86.8
288.5 - 307.5	19.0	74.5
<u>TUCKER</u>		
324.0 - 341.6	17.6	94.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	210
297.6 - 307.5	9.9	121
288.5 - 307.5	19.0	163
<u>TUCKER</u>		
324.0 - 341.6	17.6	42
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	420.20
297.6 - 307.5	9.9	33,090.00
288.5 - 307.5	19.0	33,510.20
<u>TUCKER</u>		
324.0 - 341.6	17.6	24,194.00
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	1372.0
297.6 - 307.5	9.9	1763.0
288.5 - 307.5	19.0	1763.0
<u>TUCKER</u>		
324.0 - 341.6	17.6	1372.0
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	17.0
297.6 - 307.5	9.9	6.0
288.5 - 307.5	19.0	11.2
<u>TUCKER</u>		
324.0 - 341.6	17.6	2.2
<u>BARTLESVILLE</u>		
288.5 - 297.6	9.1	