

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

December 14, 1981

R. B. Lies
% Tony Gutschenritter
R. R. 1
Neodesha, Kansas 66757

Gentlemen:

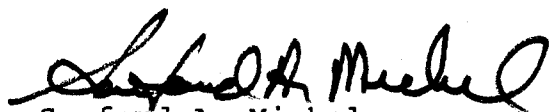
Attached hereto are the results of tests run on the rotary core samples taken from the R. B. Lies Lease, Well No. 1, located in the Southwest $\frac{1}{4}$, of the Northwest $\frac{1}{4}$, of the Northeast $\frac{1}{4}$, of Section 33, T-30S, R-15E, in Wilson County, Kansas.

The core samples were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on December 11, 1981. It is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/mkf

5 c to Neodesha, Kansas

OILFIELD RESEARCH LABORATORIES

LOGName R. B. Lies Lease R. B. Lies Well No. 1Depth Interval,
FeetDescription

CATTLEMAN SAND

1070.0 - 1071.0 Gray and brown laminated sandstone and shale.
1086.0 - 1087.5 Gray shaly sandstone.

BARTLESVILLE SAND

1164.0 - 1165.0 Grayish brown shaly sandstone.
1166.0 - 1167.0 Grayish brown shaly sandstone.
1168.0 - 1169.0 Grayish brown shaly sandstone.
1170.0 - 1171.0 Grayish brown shaly sandstone.
1173.0 - 1174.0 Grayish brown slightly shaly sandstone.
1176.0 - 1177.0 Grayish black carbonaceous sandstone.
1179.0 - 1180.0 Grayish black slightly carbonaceous shaly sandstone.
1188.0 - 1189.0 Grayish black slightly carbonaceous shaly sandstone.

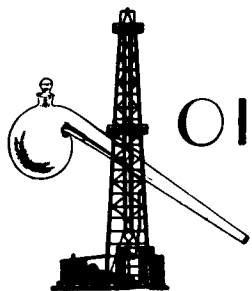
Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company R. B. Lies Lease R. B. Lies Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
			CATTLEMAN SAND				
1	1070.6	7.3	26	69	95	147	0.29
2	1086.5	12.3	14	46	60	134	0.52
			BARTLESVILLE SAND				
3	1164.5	14.1	35	40	75	383	0.75
4	1166.5	13.3	31	56	87	320	0.92
5	1168.6	11.3	42	53	95	368	2.1
6	1170.7	13.9	54	44	98	582	0.42
7	1173.6	13.2	29	59	88	297	6.0
8	1176.3	10.4	49	47	96	395	14.
9	1179.3	16.1	47	39	86	587	0.82
10	1188.7	14.0	59	27	86	641	0.27



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

January 6, 1982

R. B. Lies
% Tony Gutschenritter
R R # 1
Neodesha, Kansas 66757

Gentlemen:

Attached hereto are the results of tests run on the rotary core samples taken from the R. B. Lies Lease, Well No. 1, located in the Southwest $\frac{1}{4}$ of the North-west $\frac{1}{4}$, of the Northeast $\frac{1}{4}$, of Section 33, T-30S, R-15E, in Wilson County, Kansas.

These core samples represent the portion of the core that was not delivered to the laboratory on December 11, 1981. These samples were stored frozen until they were brought in on January 4, 1982. It is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/kas

5 c to Neodesha, Kansas

OILFIELD RESEARCH LABORATORIES

LOGName R. B. Lies Lease Lies Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
1165.0 - 1166.0	Grayish brown shaly sandstone.
1166.0 - 1167.0	No core.
1167.0 - 1168.0	Grayish brown shaly sandstone.
1168.0 - 1169.0	No core.
1169.0 - 1170.0	Grayish brown shaly sandstone.
1170.0 - 1171.0	No core.
1171.0 - 1173.0	Grayish brown shaly sandstone.
1173.0 - 1174.0	No core.
1174.0 - 1175.0	Gray and brown laminated shale and sandstone.
1175.0 - 1176.0	Light brown sandstone.
1176.0 - 1177.0	No core.
1177.0 - 1178.0	Brown sandstone.
1178.0 - 1179.0	Grayish brown shaly sandstone.
1179.0 - 1180.0	No core.
1180.0 - 1183.0	Gray shaly sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company R. B. Lies Lease R. B. Lies Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1165.5	10.5	16	59	75	130	2.7
2	1167.5	13.7	32	44	76	340	5.6
3	1169.5	16.4	23	40	63	293	1.0
4	1171.5	16.0	32	47	79	397	2.8
5	1172.5	13.7	30	28	58	319	0.59
6	1174.5	14.2	38	44	82	419	5.0
7	1175.5	16.9	34	17	51	446	121.
8	1177.5	17.4	38	31	69	513	28.
9	1178.5	20.1	45	15	60	702	2.8
10	1180.5	11.6	26	62	88	234	Imp.
11	1181.5	15.4	13	53	66	155	0.49
12	1182.5	8.8	29	56	85	198	7.8