

OILFIELD RESEARCH LABORATORIES

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

February 12, 1982

Wright, Erbe & Tubbs
c/o William Wright
Box 173
Thayer, Kansas 66776

Gentlemen:


Attached hereto are the results of tests run on the rotary cores taken from the Young Lease, Well No. 1, located 120' East of the West Line and 340' North of the South Line of the Northwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ in Section 31, T-29S, R-17E, in Wilson County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and were submitted to our laboratory on 3 different dates; February 2nd, 10th and February 11, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

5 c to Thayer, Kansas

LOGName Wright, Erbe & Tubbs Lease Young Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
830.0 - 830.5	Brown dolomitic sandstone.
830.5 - 831.6	Light grayish brown dolomitic sandstone.
831.6 - 832.6	Brown dolomitic sandstone.
832.6 - 834.2	Grayish brown dolomitic sandstone.
834.2 - 836.5	Light brown sandstone.
836.5 - 836.9	Grayish brown slightly shaly sandstone.
836.9 - 839.2	Brown sandstone.
839.2 - 839.5	Grayish brown shaly sandstone.
839.5 - 848.2	Brown sandstone.
848.2 - 848.9	Grayish brown slightly shaly sandstone.
848.9 - 853.3	Brown sandstone.
853.3 - 854.0	Brown slightly shaly sandstone.
854.0 - 855.0	Grayish brown shaly sandstone.
855.0 - 855.8	Brown shaly sandstone.
855.8 - 856.7	Grayish brown shaly sandstone.
856.7 - 857.4	Brown sandstone with scattered fine shale partings.
857.4 - 859.0	Brown shaly sandstone.
859.0 - 860.0	Grayish brown very shaly sandstone.
860.0 - 861.0	Brown slightly shaly sandstone.
861.0 - 864.7	Brown sandstone.
864.7 - 866.5	Brown shaly sandstone.
866.5 - 868.6	Brown sandstone with scattered fine shale partings.
868.6 - 872.5	Brown sandstone.
872.5 - 873.0	Brown sandstone with scattered fine shale partings.
873.0 - 877.0	Brown sandstone.

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- 877.0 - 877.8 Brown shaly sandstone.
- 877.8 - 881.6 Brown sandstone.
- 881.6 - 884.2 Brown slightly shaly sandstone with scattered shale
inclusions.
- 884.2 - 888.0 Brown sandstone.
- 888.0 - 888.4 Grayish brown conglomeratic shaly sandstone.
- 888.4 - 889.0 Brown sandstone.
- 889.0 - 890.0 Grayish brown conglomeratic shaly sandstone.
- 890.0 - 890.3 Brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Wright, Erbe & Tubbs Lease Young Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	830.4	6.8	34	62	96	179	4.4
2	831.7	11.9	27	70	97	249	10.
3	832.3	13.7	31	64	95	329	1.3
4	833.6	14.9	57	19	76	659	3.3
5	834.3	17.1	27	36	63	358	10.
6	835.5	17.3	28	41	69	376	13.
7	836.6	16.1	41	33	74	512	6.8
8	838.4	15.8	61	27	88	748	42.
9	839.4	15.1	49	36	85	574	3.8
10	840.6	18.4	31	35	66	443	39.
11	842.3	15.8	37	45	82	454	36.
12	843.5	15.9	48	37	85	592	23.
13	844.8	16.7	35	34	69	454	20.
14	845.4	17.1	39	33	72	517	27.
15	846.5	14.7	56	38	94	639	11.
16	847.2	15.1	37	38	75	433	11.
17	848.6	16.2	32	43	75	402	9.9
18	849.6	16.1	42	35	77	525	18.
19	850.6	19.8	40	32	72	614	28.
20	851.5	14.9	45	39	84	520	13.
21	852.5	15.8	44	42	86	539	15.
22	853.6	16.8	34	39	73	443	5.0
23	854.7	16.0	43	44	87	534	2.0
24	855.5	16.6	54	43	97	695	1.5
25	856.5	13.5	14	52	66	147	1.0
26	857.5	15.1	59	26	85	691	3.1
27	858.4	15.0	59	26	85	687	5.6
28	859.5	10.4	55	37	92	444	0.12
29	860.5	15.1	41	39	80	480	6.8
30	861.4	15.8	35	32	67	429	15.
31	862.4	16.9	40	27	67	524	41.
32	863.4	16.6	42	32	74	541	52.
33	864.5	16.4	34	36	70	433	38.
34	865.5	14.1	48	44	92	525	3.8
35	866.7	14.7	52	34	86	593	18.
36	867.3	17.1	37	37	74	491	52.
37	868.5	15.1	43	41	84	504	10.
38	869.4	18.6	38	71	69	548	68.
39	870.5	17.3	31	35	66	416	60.
40	871.5	19.2	43	31	74	641	101.
41	872.6	13.5	45	52	97	471	9.8
42	873.5	18.3	35	38	73	497	42.
43	874.6	16.6	37	43	80	477	28.
44	875.5	18.8	36	43	79	525	89.
45	876.5	17.1	40	32	72	531	14.
46	877.5	14.5	35	50	85	394	3.8
47	878.5	18.2	37	37	74	522	56.
48	879.5	16.6	32	50	82	412	39.

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Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
49	880.7	16.5	25	50	75	320	13.
50	881.5	16.7	27	41	68	350	37.
51	882.5	15.2	44	44	88	519	7.5
52	883.5	13.6	30	54	84	317	3.4
53	884.5	17.7	31	41	72	426	32.
54	885.5	18.5	37	37	74	531	39.
55	886.7	17.6	37	44	81	505	38.
56	887.6	16.9	10	53	63	131	26.
57	888.5	16.7	13	51	64	168	137.
58	889.6	13.4	24	50	74	250	0.90