



# OILFIELD RESEARCH LABORATORIES

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

August 26, 1980

Kenneth W. Kennedy  
1012 Elm  
Humboldt, Kansas 66748

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Hinkle Lease, Well No. 1, Allen County, Kansas and submitted to our laboratory on August 12, 1980.

The cores were sampled by a representative of Oilfield Research Laboratories. The client reported to the laboratory that approximately two (2) foot of sand similar to the top of the core was drilled before coring was started.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/ks

5 c to Humboldt, Kansas

## OILFIELD RESEARCH LABORATORIES

LOGName Kenneth W. Kennedy Lease Hinkle Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SAND</u>
633.0 - 633.8	Brown shaly sandstone.
633.8 - 635.0	Brown and gray laminated sandstone and shale.
635.0 - 637.0	Gray sandy shale.
637.0 - 637.5	Grayish brown very shaly sandstone.
	<u>BARTLESVILLE SAND</u>
861.0 - 864.1	Brown shaly sandstone.
864.1 - 866.6	Brown sandstone.
866.6 - 867.8	Gray sandy shale.
867.8 - 869.3	Brown sandstone.
869.3 - 872.0	Brown slightly shaly sandstone.
872.0 - 873.1	Brown sandstone.
873.1 - 873.6	Gray sandy shale.
873.6 - 875.9	Brown sandstone.
875.9 - 876.6	Brown and gray laminated sandstone and shale.
876.6 - 877.9	Brown sandstone.
881.0 - 882.00	Brown sandstone.
882.0 - 884.0	Gray sandstone.
884.0 - 901.0	Gray shale.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Kenneth W. Kennedy Lease Hinkle Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
<u>SQUIRREL SAND</u>							
1	633.5	20.2	28	26	54	439	5.2
2	634.3	10.9	53	43	96	448	Imp.
3	637.3	10.9	54	43	97	457	Imp.
<u>BARTLESVILLE SAND</u>							
4	861.5	15.6	36	47	83	436	2.6
5	862.6	12.1	44	52	96	413	2.2
6	863.5	16.0	41	44	85	509	4.0
7	864.5	14.9	50	43	93	578	10.
8	865.6	17.3	38	36	74	510	11.
9	866.3	17.7	48	36	84	659	21.
10	868.5	19.0	40	37	77	590	20.
11	869.5	16.5	45	40	85	576	8.3
12	870.5	16.2	42	42	84	528	7.6
13	871.5	15.7	28	55	83	341	6.7
14	872.5	15.4	65	32	97	777	50.
15	873.7	18.1	61	35	96	857	42.
16	874.4	19.1	45	36	81	667	36.
17	875.6	16.4	43	47	90	547	11.
18	876.5	15.8	40	44	84	490	4.1
19	877.5	20.9	50	30	80	811	115.
20	881.5	19.6	51	36	87	776	43.