



OILFIELD RESEARCH LABORATORIES

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

September 28, 1982

Donald G. Keys
P. O. Box 203
Colony, Kansas 66015

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Ling Lease, Well No. 2, located in Section 36, T-24S, R-17E, Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on September 24, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/pdc

5 c to Colony, Kansas

LOGName Donald G. Keys Lease Ling Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
773.0 - 773.6	Alternate layers of gray shale and brown sandstone.
773.6 - 774.0	Gray sandy shale.
774.0 - 775.0	Dark brown sandstone with scattered gray shale partings.
775.0 - 776.0	Grayish brown very shaly sandstone.
776.0 - 776.6	Brown sandstone.
776.6 - 776.9	Gray shale.
776.9 - 777.1	Brown sandstone.
777.1 - 777.8	Grayish brown very shaly sandstone.
777.8 - 778.8	Grayish brown shaly sandstone.
778.8 - 780.0	Grayish brown very shaly sandstone.
780.0 - 781.0	Brown shaly sandstone.
781.0 - 781.7	Dark brown sandstone.
781.7 - 783.0	Brown very shaly sandstone.
783.0 - 783.7	Grayish brown shaly sandstone.
783.7 - 784.6	Brown slightly shaly sandstone.
784.6 - 786.1	Grayish brown shaly sandstone.
786.1 - 787.0	Brown sandstone.
787.0 - 788.9	Grayish brown very shaly sandstone.
788.9 - 789.5	Brown sandstone.
789.5 - 789.8	Grayish brown very shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Donald G. Keys Lease Ling Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	773.3	15.3	48	33	81	570	44.
2	774.5	20.2	48	18	66	752	137.
3	775.5	11.3	34	26	60	298	0.30
4	776.4	17.2	53	33	86	707	23.
5	777.5	9.9	22	61	83	169	Imp.
6	778.4	14.7	47	36	83	536	2.6
7	779.6	9.1	34	53	87	240	Imp.
8	780.5	15.9	60	14	74	740	1.6
9	781.6	18.4	48	17	65	685	43.
10	782.5	14.9	52	35	87	601	0.87
11	783.6	18.3	62	18	80	880	5.6
12	784.5	18.1	60	19	79	843	7.8
13	785.5	15.6	18	45	63	218	5.5
14	786.5	16.8	68	10	78	886	14.
15	787.4	11.2	33	60	93	287	Imp.
16	788.5	17.1	50	33	83	663	0.48
17	789.4	17.4	56	19	75	756	10.