



OILFIELD RESEARCH LABORATORIES

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

December 20, 1982

Lancer Oil Enterprises
P. O. Box 34
Piqua, Kansas 66761

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Ellison Lease, Well No. 3, located 665' from the North Line and 165' from the West Line in the Northeast $\frac{1}{4}$ of Section 15, T-26S, R-17E, Woodson County, Kansas, and submitted to our laboratory on December 17, 1982.

The core was sampled in our laboratory after being delivered by the client. The client reported that the core was unbagged approximately $1\frac{1}{2}$ hours before being delivered to our laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rcm

5 c to Piqua, Kansas

OILFIELD RESEARCH LABORATORIESLOGCompany Lancer Oil Enterprises Lease Ellison Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>CATTLEMAN SANDSTONE</u>
958.0 - 958.7	Grayish brown very shaly sandstone with scattered shale partings.
958.7 - 963.0	Light brown sandstone.
963.0 - 964.6	Brown sandstone with scattered fine shale partings.
964.6 - 967.7	Grayish brown shaly sandstone with scattered shale partings.
967.7 - 969.2	Dark brown sandstone with scattered shale partings.
969.2 - 970.2	Dark brown sandstone.
970.2 - 971.6	Brownish black very shaly sandstone with scattered shale partings.
971.6 - 972.3	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Lancer Oil Enterprises Lease Ellison Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	958.4	16.1	29	50	79	362	1.7
2	960.5	18.8	25	53	78	365	72.
3	962.5	16.8	20	57	77	261	35.
4	963.5	17.5	28	49	77	380	21.
5	964.5	17.3	33	52	85	443	43.
6	965.5	11.9	63	34	97	582	5.8
7	966.5	14.3	40	53	93	444	6.0
8	967.5	12.8	48	47	95	477	1.7
9	968.5	16.8	38	47	85	495	24.
10	969.5	20.9	48	32	80	778	78.
11	970.5	17.0	52	46	98	682	2.2
12	971.5	17.3	41	45	86	550	0.31