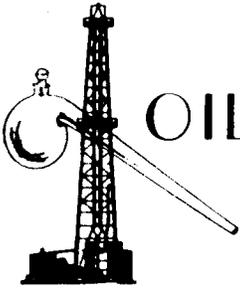


28-22-16E



OILFIELD RESEARCH LABORATORIES

P.O. BOX 647 - 536 N. HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

COPY

September 25, 1990

Lancer Oil, Inc.
P. O. Box 34
Piqua, KS 66761

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Crotts Lease, Well No. 5-W, located in Section 28, T22S, R16E, Coffey County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on September 17, 1990.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Alan M. Dunning

AMD:bl

5 c Piqua, KS

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

LOGCompany Lancer Oil, Inc. Lease Crotts Well No. 5-WLOWER SQUIRREL SANDSTONE

COPY

<u>Depth Interval, Feet</u>	<u>Description</u>
993.0 - 993.4	Limestone, gray, shaly, calcareous, fossiliferous.
993.4 - 994.3	Sandstone, grayish brown, very shaly with widely scattered shale partings.
994.3 - 995.5	Sandstone, dark brown.
995.5 - 996.0	Sandstone, dark brown with scattered shale partings.
996.0 - 998.5	Sandstone, dark brown with widely scattered shale partings.
998.5 - 999.0	Sandstone and shale, dark brown and gray, laminated.
999.0 - 1000.9	Sandstone, dark brown with widely scattered shale and mica partings.
1000.9 - 1001.8	Sandstone, dark brown.
1001.8 - 1003.3	Sandstone, dark brown with widely scattered shale and mica partings and inclusions.
1003.3 - 1005.2	Sandstone, grayish brown, very shaly with scattered shale and mica partings.
1005.2 - 1005.6	Sandstone, dark brown with scattered shale and mica inclusions.
1005.6 - 1006.5	Shale, gray with widely scattered brown sandstone partings.
1006.5 - 1006.9	Sandstone, grayish brown, shaly with scattered shale partings.
1006.9 - 1007.4	Shale, gray.

28-22-16E

Oilfield Research Laboratories
RESULTS OF SATURATION & PERMEABILITY TESTS

COPY

TABLE 1

Company Lancer Oil, Inc. Lease Crotts Well No. 5-W

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	993.7	17.1	69	16	85	915	1.6
2	994.6	20.5	56	22	78	891	161.
3	995.4	21.4	54	25	79	897	169.
4	996.6	17.5	65	24	89	883	42.
5	997.6	18.7	40	40	80	580	62.
6	998.4	21.6	52	25	77	871	215.
7	999.4	17.5	80	17	97	1086	28.
8	1000.5	18.9	64	20	84	938	9.1
9	1001.5	19.9	65	19	84	1004	85.
10	1002.5	18.9	57	24	81	836	28.
11	1003.6	15.5	37	58	95	445	0.50
12	1004.5	14.4	50	44	94	559	Imp.
13	1005.5	17.2	46	33	79	614	22.
14	1006.6	15.2	27	54	81	318	Imp.