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OILFIELD RESEARCH LABORATORIES

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

July 17, 1990

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

API 15-207-25763

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Glades Lease, Well No. 40W, located in Section 9, T24S, R16E, Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on July 6, 1990.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Alan M. Dunning
Alan M. Dunning

AMD:bl

5 c Piqua, KS

9-24-16E

Glades 40W

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LOG

Company Lancer Oil, Inc. Lease Glades Well No. 40W

UPPER SQUIRREL SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
962.0 - 962.2	Sandstone, grayish brown, shaly with scattered shale and mica partings.
962.2 - 962.7	Shale, gray, sandy, calcareous with scattered brown shaly sandstone streaks.
962.7 - 963.0	Sandstone, grayish brown, shaly, calcareous with scattered shale and mica partings.
963.0 - 963.3	Shale, gray, sandy, calcareous with scattered brown shaly sandstone streaks.
963.3 - 963.5	Sandstone, brown.
963.5 - 963.7	Sandstone, grayish brown, shaly.
963.7 - 964.2	Sandstone, brown, slightly calcareous.
964.2 - 964.7	Sandstone, grayish brown, shaly.
964.7 - 965.0	Sandstone, gray, shaly.
965.0 - 967.6	Sandstone, brown.
967.6 - 968.0	Sandstone, grayish brown, shaly with scattered shale and mica partings.
968.0 - 969.4	Sandstone, brown.
969.4 - 971.3	Sandstone, brown with widely scattered shale partings.
971.3 - 974.0	Sandstone, light grayish brown, shaly with widely scattered shale and mica partings.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Lancer Oil, Inc. Lease Glades Well No. 40W

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	965.5	19.3	42	33	75	629	70.
2	966.5	17.4	41	43	84	554	22.
3	967.5	17.2	43	38	81	574	6.7
4	968.5	17.6	53	33	86	724	17.
5	969.5	18.7	57	23	80	827	62.
6	970.5	18.0	55	36	91	768	54.
7	971.5	15.6	35	57	92	424	2.4
8	972.5	15.2	38	51	89	448	1.1
9	973.5	12.9	21	67	88	210	0.13

