

COPY



# OILFIELD RESEARCH LABORATORIES

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

9-24-16E

September 10, 1990

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

API 15-207-25753

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Glades Lease, Well No. 17-W, 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 August 28, 1990.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Alan M. Dunning*

Alan M. Dunning

AMD:bl

5 c Piqua, KS

Glades 17-W

LOG

Company Lancer Oil, Inc. Lease Glades Well No. 17-W

UPPER SQUIRREL SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
966.0 - 967.2	Shale, light gray, silty, slightly calcareous.
967.2 - 968.0	Sandstone, light grayish brown, shaly.
968.0 - 968.7	Sandstone, light grayish brown, very shaly with scattered shale partings.
968.7 - 969.7	Sandstone, grayish brown, shaly.
969.7 - 971.1	Sandstone, brown.
971.1 - 972.3	Sandstone, brown with widely scattered shale and mica partings and inclusions.
972.3 - 973.1	Sandstone, light grayish brown, very shaly with scattered shale and mica partings.
973.1 - 974.0	Sandstone, brown.
974.0 - 974.8	Sandstone, light grayish brown with widely scattered shale and mica inclusions.
974.8 - 979.8	Sandstone, grayish brown, shaly with scattered shale partings.
979.8 - 980.7	Shale, gray.
980.7 - 981.0	Sandstone, grayish brown, shaly.

LOWER SQUIRREL SANDSTONE

1017.0 - 1017.2	Sandstone and shale, brown and gray, laminated.
1017.2 - 1018.0	Sandstone, brown with widely scattered shale and mica inclusions.
1018.0 - 1018.7	Shale, gray with scattered brown sandstone partings.
1018.7 - 1019.6	Sandstone and shale, brown and gray, laminated.
1019.6 - 1020.0	Shale, gray with scattered brown sandstone partings.

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LOG

Company Lancer Oil, Inc. Lease Glades Well No. 17-W

LOWER SQUIRREL SANDSTONE (Continued)

<u>Depth Interval, Feet</u>	<u>Description</u>
1020.0 - 1020.8	Sandstone, brown with scattered shale and mica partings.
1020.8 - 1021.0	Shale, gray.
1021.0 - 1024.9	Sandstone, brown with widely scattered shale and mica partings and inclusions.
1024.9 - 1026.0	Sandstone, brown, slightly calcareous with scattered shale and mica partings.
1026.0 - 1027.1	Sandstone, dark brown with scattered shale and mica partings.
1027.1 - 1027.4	Sandstone and shale, brown and gray, laminated.
1027.4 - 1029.0	Sandstone, brown with widely scattered shale and mica partings and inclusions.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Lancer Oil, Inc. Lease Glades Well No. 17-W

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
<u>UPPER SQUIRREL SANDSTONE</u>							
1	967.7	16.3	21	61	82	266	1.2
2	968.6	10.1	43	52	95	336	Imp.
3	969.5	15.8	29	48	77	356	3.7
4	970.5	16.7	30	50	80	389	12.
5	971.5	17.8	36	42	78	497	14.
6	972.6	14.8	35	61	96	402	0.33
7	973.5	19.5	37	41	73	560	70.
8	974.5	18.1	28	51	79	393	34.
9	975.4	12.8	37	54	91	367	0.20
10	976.5	13.3	40	49	89	413	0.23
11	977.5	16.0	23	61	84	286	5.3
12	978.5	15.5	37	57	94	445	0.47
13	979.4	15.9	34	49	83	419	3.7
<u>LOWER SQUIRREL SANDSTONE</u>							
14	1017.5	18.0	39	27	66	545	17.
15	1019.5	13.7	19	72	91	202	2.3
16	1020.5	18.2	51	27	78	720	27.
17	1021.6	19.3	39	26	65	584	64.
18	1022.6	18.2	55	22	77	777	38.
19	1023.5	19.7	39	31	70	596	75.
20	1024.5	19.9	45	26	71	695	63.
21	1025.5	14.3	37	49	86	410	13.
22	1026.5	20.2	58	16	74	909	93.
23	1027.5	19.1	41	30	71	608	53.
24	1028.4	19.7	41	28	69	627	54.

