



OILFIELD RESEARCH LABORATORIES

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

May 18, 1982

Sand Dollar Energy Corporation
10 West 14th St.
P. O. Box 183
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Morton Lease, Well No. 68, located in Section 13, T-28S, R-15E, in Wilson County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and were submitted to our laboratory on May 14, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

- REGISTERED ENGINEERS -

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

LOGName Sand Dollar Energy Corporation Lease Morton Well No. 68

Depth Interval, Feet	Description
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BARTLESVILLE SAND

990.0 - 991.0	Brown sandstone.
991.0 - 992.0	Dark brown shaly sandstone.
992.0 - 993.3	Dark grayish brown very shaly sandstone.
993.3 - 1004.7	Gray shale.
1004.7 - 1005.0	Coal.
1005.0 - 1011.0	Gray shale.
1011.0 - 1011.2	Brown shaly sandstone.
1011.2 - 1013.7	Gray slightly sandy shale.
1013.7 - 1015.5	Grayish brown very shaly sandstone.
1015.5 - 1016.0	Brown shaly sandstone.
1016.0 - 1016.4	Light brown very shaly sandstone.
1016.4 - 1019.1	Gray slightly sandy shale.
1019.1 - 1020.0	Brown slightly shaly sandstone.
1020.0 - 1020.9	Brown sandstone.
1020.9 - 1021.2	Gray shale.

TUCKER SAND

1126.0 - 1126.7	Brown sandstone.
1126.7 - 1126.8	Coal.
1126.8 - 1128.0	Grayish light brown shaly sandstone.
1128.0 - 1130.0	Grayish brown very shaly sandstone.
1130.0 - 1135.0	Grayish brown shaly sandstone.
1135.0 - 1139.0	Brown sandstone.
1139.0 - 1140.0	Brown slightly shaly sandstone.
1140.0 - 1141.0	Brown sandstone.
1141.0 - 1141.7	Light brown very shaly sandstone.

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1141.7 - 1144.0	Grayish brown shaly sandstone.
1144.0 - 1145.0	Light brown sandstone.
1145.0 - 1145.8	Grayish brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Sand Dollar Energy Corp Lease Morton Well No. 68

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
	<u>BARTLESVILLE SAND</u>						
1	990.6	13.8	34	51	85	364	11.
2	991.6	13.2	37	48	85	379	3.2
3	992.6	9.1	43	52	95	304	Imp.
4	1014.5	11.6	32	50	82	288	0.52
5	1015.7	13.0	16	42	58	161	1.6
6	1016.3	9.2	28	54	82	200	0.41
7	1019.5	14.3	27	42	69	300	7.4
8	1020.5	15.0	27	46	73	314	11.
	<u>TUCKER SAND</u>						
9	1126.5	19.5	18	55	73	272	672.
10	1127.5	17.1	27	35	62	358	4.5
11	1128.6	14.0	36	42	78	391	0.31
12	1129.4	15.3	50	17	67	594	0.89
13	1130.4	15.8	43	24	67	527	2.8
14	1131.4	18.6	37	21	58	534	4.2
15	1132.4	17.6	32	28	60	437	3.1
16	1133.4	14.7	28	43	71	319	1.6
17	1134.3	14.2	32	40	72	353	1.9
18	1135.4	16.1	33	38	71	412	19.
19	1136.7	16.1	36	29	65	450	19.
20	1137.6	16.6	43	28	71	487	20.
21	1138.5	14.7	39	29	68	445	13.
22	1139.4	15.4	33	38	71	394	6.8
23	1140.5	16.7	34	23	57	440	52.
24	1141.3	10.3	24	70	94	192	0.23
25	1142.5	14.5	9	72	81	101	1.2
26	1143.5	15.4	5	73	78	60	4.3
27	1144.4	17.3	20	63	83	268	12.
28	1145.5	15.0	10	67	77	116	3.0