



OILFIELD RESEARCH LABORATORIES

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

October 6, 1981

Iona Oil Company
18 Corporate Plaza
Newport Beach, California 92660

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Elmore Lease, Well No. 6, located 165' East of the West Line and 165' West of the South Line in Section 18, T-32S, R-13E, in Chautauqua County, Kansas.

The cores were sampled by a representative of Oilfield Research Laboratories and were received in our laboratory on October 1, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

4 c to Newport Beach, California
1 c to Coffeyville, Kansas

LOGName Iona Oil Company Lease Elmore Well No. 6

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>WAYSIDE SAND</u>
948.0 - 950.6	Light gray slightly sandy shaly limestone.
950.6 - 952.0	Grayish brown calcareous shaly sandstone.
952.0 - 953.1	Grayish brown slightly calcareous slightly shaly sandstone.
953.1 - 955.0	Grayish light brown slightly calcareous very shaly sandstone.
955.0 - 956.3	Grayish very light brown slightly calcareous very shaly sandstone.
956.3 - 968.8	Grayish very light brown very shaly sandstone.
	<u>WEISER SAND</u>
1040.0 - 1040.6	Brown sandstone.
1040.6 - 1041.5	Light grayish brown shaly sandstone.
1041.5 - 1042.8	Brown sandstone.
1042.8 - 1043.7	Grayish brown slightly shaly sandstone.
1043.7 - 1046.9	Brown sandstone.
1046.9 - 1048.3	Brown slightly shaly sandstone with fine micaceous partings.
1048.3 - 1050.0	Grayish brown very shaly sandstone.
1050.0 - 1054.4	Brown sandstone with shale partings.
1054.4 - 1055.5	Grayish brown shaly slightly calcareous sandstone.
1055.5 - 1056.8	Grayish brown slightly calcareous sandstone.
1056.8 - 1057.6	Grayish brown shaly sandstone.
1057.6 - 1061.0	Light gray shaly sandstone with micaceous partings.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Iona Oil Company Lease Elmore Well No. 6

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
WAYSIDE SAND							
1	948.7	6.9	9	88	97	48	0.24
2	949.5	9.3	6	90	96	43	2.2
3	950.5	11.1	5	88	93	43	Imp.
4	951.6	15.2	10	67	77	118	0.77
5	952.4	18.1	20	50	70	281	6.3
6	953.5	15.5	15	50	65	180	1.1
7	954.4	15.4	22	63	85	263	0.19
8	955.4	9.2	11	75	86	79	Imp.
9	956.5	12.7	31	36	67	385	2.1
10	957.4	15.6	26	63	89	315	0.21
11	958.6	13.1	17	79	96	173	Imp.
12	959.4	12.4	21	76	97	202	Imp.
13	960.6	14.3	16	74	90	178	Imp.
14	961.6	13.9	23	65	88	248	Imp.
15	962.6	15.0	21	74	95	244	Imp.
16	963.5	14.0	21	76	97	228	Imp.
17	964.5	12.1	6	90	96	56	Imp.
18	965.5	12.8	5	84	89	50	Imp.
19	966.6	8.2	20	70	90	127	Imp.
20	067.4	11.5	20	53	73	178	Imp.
21	968.4	12.8	6	81	87	60	Imp.
WEISER SAND							
22	1040.5	14.4	20	52	72	223	12.
23	1041.2	15.1	19	42	61	223	4.4
24	1042.7	17.0	28	47	75	369	22.
25	1043.4	16.7	23	52	75	298	8.9
26	1044.6	18.4	34	46	80	485	15.
27	1045.5	18.7	36	41	77	522	26.
28	1046.4	18.1	33	48	81	463	28.
29	1047.4	18.3	20	52	72	284	6.6
30	1048.4	15.6	24	58	82	290	1.1
31	1049.4	15.2	32	56	88	377	1.8
32	1050.5	17.4	22	66	88	297	13.
33	1051.6	18.9	32	46	78	469	27.
34	1052.6	19.3	36	31	67	539	25.
35	1053.5	19.9	25	44	69	386	35.
36	1054.6	14.1	30	46	76	328	5.2
37	1055.6	17.1	29	43	72	385	15.
38	1056.6	15.9	53	33	86	654	11.
39	1057.5	16.7	20	65	85	259	2.8
40	1058.4	15.0	16	64	80	186	1.6
41	1059.5	15.3	17	75	92	202	1.6
42	1060.5	14.5	13	70	83	146	1.1