



# OILFIELD RESEARCH LABORATORIES

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

April 21, 1982

Iona-Unruh  
705 Cheyenne  
Coffeyville, Kansas 67337

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Elmore Lease, Well No. 8, located in the Southwest  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  in Section 18, T-32S, R-13E, in Chautauqua County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and was received in our laboratory on April 19, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Coffeyville, Kansas

- REGISTERED ENGINEERS -

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

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LOGName Iona-Unruh Lease Elmore Well No. 8

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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WISER SAND

1080.0 - 1080.8	Alternate layers gray shale and brown sandstone.
1080.8 - 1082.0	Grayish brown very shaly sandstone.
1082.0 - 1082.8	Grayish brown shaly sandstone.
1082.8 - 1085.2	Dark brown sandstone.
1085.2 - 1085.7	Brown slightly shaly sandstone.
1085.7 - 1090.0	Brown sandstone with scattered gray shale partings.
1090.0 - 1091.0	Grayish brown very shaly sandstone.
1091.0 - 1094.0	Grayish brown shaly sandstone.
1094.0 - 1096.0	Gray shaly sandstone.
1096.0 - 1097.0	Grayish brown shaly sandstone.
1097.0 - 1098.0	Grayish brown very shaly sandstone.
1098.0 - 1099.0	Grayish brown shaly sandstone.
1099.0 - 1100.0	Gray shaly sandstone.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Iona-Unruh Lease Elmore Well No. 8

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1080.5	17.9	32	49	81	444	9.9
2	1081.5	14.4	26	55	81	290	Imp.
3	1082.4	18.1	30	44	74	421	5.8
4	1083.4	18.1	28	49	77	393	13.
5	1084.4	19.7	35	48	83	535	13.
6	1085.6	20.8	50	28	78	807	9.4
7	1086.4	18.5	54	27	81	775	20.
8	1087.4	17.6	32	37	69	437	12.
9	1088.4	17.9	34	41	75	472	19.
10	1089.5	17.9	43	44	87	597	19.
11	1090.5	10.2	13	74	87	103	Imp.
12	1091.7	12.8	34	40	74	338	2.0
13	1092.6	15.6	43	50	93	520	2.4
14	1093.7	15.2	14	53	67	165	3.0
15	1094.7	15.8	9	76	85	110	3.1
16	1095.6	14.0	7	77	84	76	3.5
17	1096.6	14.6	27	67	94	306	1.0
18	1097.7	14.2	14	85	99	154	0.19
19	1098.3	14.9	25	70	95	289	1.3
20	1099.5	15.2	5	81	86	59	2.2