



OILFIELD RESEARCH LABORATORIES

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14-26-17E

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August 7, 1986

FREDERICK 5

Miura Petroleum, Inc.
430 South Evergreen
Chanute, KS 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Frederick Lease, Well No. 5, located in Section 14, T26S, R17E, Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on August 5, 1986.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Alan M. Dunning

Alan M. Dunning

AMD:bl

5 c to Chanute, KS

LOG

Company Miura Petroleum, Inc. Lease Frederick Well No. 5

SQUIRREL SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
758.0 - 760.0	Shale, gray.
760.0 - 760.5	Shale, gray with scattered brown sandstone partings.
760.5 - 763.4	Sandstone, brown.
763.4 - 768.6	Sandstone, brown with widely scattered shale and mica partings.
768.6 - 769.6	Sandstone, brown, shaly with shale and mica partings.
769.6 - 770.3	Sandstone, dark grayish brown, very shaly with scattered shale, mica and carbonaceous partings.
770.3 - 770.7	Sandstone, brown, shaly with scattered shale and mica partings.
770.7 - 771.0	Sandstone, dark grayish brown, very shaly with scattered shale and mica partings.
771.0 - 772.5	Sandstone, brown, shaly with scattered shale and mica partings.
772.5 - 772.8	Sandstone, dark grayish brown, very shaly with scattered shale, mica and carbonaceous partings.
772.8 - 773.2	Sandstone, brownish black, shaly, slightly carbonaceous.
773.2 - 773.4	Shale, gray, sandy.

LOG

14-26-17E

Company Miura Petroleum, Inc. Lease Frederick Well No. 5

SQUIRREL SANDSTONE (Continued)

<u>Depth Interval, Feet</u>	<u>Description</u>
773.4 - 773.9	Sandstone, brownish black, shaly, slightly carbonaceous.
773.9 - 774.3	Sandstone, grayish black, shaly with scattered shale and mica partings.
774.3 - 774.7	Sandstone, brownish black, shaly, carbonaceous.
774.7 - 777.1	Sandstone, grayish brown, very shaly with scattered shale and mica partings.
777.1 - 778.0	Sandstone, brownish black, very shaly, slightly carbonaceous.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Miura Petroleum, Inc. Lease Frederick Well No. 5

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	760.6	19.9	38	22	60	587	35.
2	761.5	18.7	43	25	68	624	25.
3	762.5	21.4	36	25	61	598	75.
4	763.5	19.2	41	25	66	611	45.
5	764.6	22.0	36	23	59	614	110.
6	765.5	21.2	35	26	61	576	62.
7	766.5	20.5	34	33	67	541	80.
8	767.5	19.5	35	35	70	530	37.
9	768.5	19.1	37	25	62	548	42.
10	769.5	15.9	36	37	73	444	3.2
11	770.5	16.3	32	39	71	405	3.4
12	771.5	15.0	28	53	81	326	0.36
13	772.4	17.6	33	30	63	451	4.0
14	773.5	18.3	46	25	71	653	0.94
15	774.5	17.5	44	23	67	597	2.1
16	775.5	13.5	29	51	80	304	Imp.
17	776.4	14.2	30	51	81	331	Imp.
18	777.5	15.5	46	33	79	553	Imp.