OILFIELD RESEARCH LABORATORIES

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

November 27, 1984

Ron-Mar Energy Exploration, Inc.
2210 West 75th Street
Shawnee Mission, Kansas 66208

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Winegar-Carswell Lease, Well No. 4, located in Section 14, T-14S, R-20E, Douglas County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 21, 1984.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Alan M. Dunning

Alan M. Dunning

AMD/rmc

5 c to Shawnee Mission, Kansas

LOG

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 4

Depth Interval, Feet	Description
	SQUIRREL SANDSTONE
679.0 - 680.0	Sandstone, light brown, shaly.
680.0 - 682.0	Sandstone, light brown, slightly shaly.
682.0 - 683.0	Sandstone, light brown, shaly.
683.0 - 686.6	Sandstone, brown, with scattered gray shale partings.
686.6 - 687.2	Sandstone, grayish brown, very shaly.
687.2 - 687.4	Sandstone, brown.
687.4 - 690.4	Sandstone and shale, brown and gray, alternate layers.
690.4 - 693.0	Sandstone, gray, very shaly.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	679.4	15.1	41	55	96	480	1.3
2	680.4	17.1	35	44	79	464	6.5
3	681.6	21.1	38	36	74	622	8.0
4	682.5	21.6	47	34	81	788	5.1
5	683.5	18.9	54	41	95	792	11.
6	684.5	20.7	54	23	77	867	23.
7	685.5	21.1	41	26	67	671	23.
8	686.5	24.6	35	28	63	668	58.
9	687.3	22.1	28	43	71	480	19.
10	688.5	17.7	26	68	94	357	23.
11	689.7	20.0	28	46	74	434	18.
12	690.3	19.3	37	47	84	554	7.5
13	691.7	14.2	20	70	90	220	Imp.
14	692.2	15.2	16	77	93	189	Imp.

$h = 7$

$\phi = .20$

$S_{wi} = .383\ (.379)$

$S_{or} = .379$