



# OILFIELD RESEARCH LABORATORIES

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

May 30, 1985

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. 12, 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 May 29, 1985.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Alan M. Dunning*  
Alan M. Dunning

AMD/ral

5 c to Shawnee Mission, Kansas

- REGISTERED ENGINEERS -

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

## OILFIELD RESEARCH LABORATORIES

LOGCompany Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 12

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
676.0 - 676.5	Sandstone, grayish brown, shaly.
676.5 - 677.0	Shale, gray.
677.0 - 677.5	Sandstone and shale, brown and gray, laminated.
677.5 - 678.0	Sandstone, grayish brown, very shaly.
678.0 - 679.0	Sandstone, brown, shaly.
679.0 - 679.5	Sandstone, brown, with shale partings.
679.5 - 681.0	Sandstone and shale, brown and gray, alternate layers.
681.0 - 681.4	Sandstone, grayish brown, very shaly.
681.4 - 682.4	Shale, gray.
682.4 - 682.7	Sandstone, brown, shaly.
682.7 - 684.0	Shale, gray.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

**TABLE 1**

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 12

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	676.4	16.1	8	87	95	100	1.3
2	677.4	15.5	24	68	92	289	0.25
3	678.3	15.6	31	67	98	375	2.3
4	679.4	16.8	40	54	94	521	8.5
5	680.3	16.0	29	67	96	360	4.6
6	681.3	16.3	33	60	93	417	0.92
7	682.5	16.2	19	73	92	239	1.3

*h = 1  
 Ø = 143  
 S<sub>w</sub> = 0.4 (0.26)  
 S<sub>o</sub> = 0.4*