



OILFIELD RESEARCH LABORATORIES

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December 11, 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. 5, located 1815' from the South Line and 3465' from the East Line of 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 December 4, 1984.

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

LOGCompany Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 5

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
687.0 - 687.9	Sandstone, light grayish brown, shaly, with scattered mica partings.
687.9 - 688.6	Limestone, light gray, shaly.
688.6 - 690.0	Sandstone, brown.
690.0 - 691.7	Sandstone, grayish brown, shaly, with scattered shale and mica partings.
691.7 - 694.8	Sandstone, brown, with scattered shale partings.
694.8 - 695.6	Shale, gray.
695.6 - 696.0	Sandstone, light grayish brown, very shaly.
696.0 - 696.5	Sandstone and shale, brown and gray, alternate layers.
696.5 - 698.2	Shale, gray.

RESULTS OF SATURATION & PERMEABILITY TESTS

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 5

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	687.5	21.8	36	34	70	609	2.2
2	688.3	7.8	9	65	74	55	Imp.
3	689.3	26.3	28	29	57	571	14.
4	690.3	18.0	47	40	87	656	5.8
5	691.8	22.3	31	35	66	536	19.
6	692.9	21.0	32	37	69	521	11.
7	693.4	20.9	36	36	72	584	22.
8	694.7	18.5	28	45	73	402	16.
9	695.7	14.8	14	77	91	161	0.24
10	696.3	24.9	24	33	57	464	28.

$$h = 7$$

$$\phi = .217$$

$$S_w = .359 (.325)$$

$$S_{ov} = .317$$