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

June 4, 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. 6, located in Section 14, T14S, R20E, Douglas County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on June 1, 1985.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Alan M. Dunning

AMD:bl

5 c to Shawnee Mission, Kansas 66208

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# LOG

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 6

## SQUIRREL SANDSTONE

| Depth Interval, Feet | Description |
|---|---|
| 696.0 - 698.0 | Shale, gray. |
| 698.0 - 699.5 | Sandstone, brown, shaly. |
| 699.5 - 700.3 | Sandstone, brown. |
| 700.3 - 700.6 | Sandstone, grayish brown, shaly. |
| 700.6 - 701.8 | Sandstone, brown. |
| 701.8 - 702.8 | Sandstone and shale, brown and gray, alternate layers. |
| 702.8 - 703.4 | Sandstone, grayish brown, very shaly. |
| 703.4 - 705.0 | Sandstone and shale, brown and gray, alternate layers. |
| 705.0 - 706.0 | Sandstone, brown with shale partings. |
| 706.0 - 709.0 | Sandstone and shale, brown and gray, alternate layers. |

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Company Ron-Mar Energy Exploration, Inc. Lease Winegar-Carswell Well No. 6

| | Sample No. | Depth, Feet | Porosity Percent | Percent Saturation | | | Oil Content Bbls. / A. Ft. | Permeability, Millidarcys |
|---|---|---|---|---|---|---|---|---|
| | | | | Oil | Water | Total | | |
| | 1 | 698.3 | 17.6 | 39 | 47 | 86 | 533 | 3.5 |
| | 2 | 699.1 | 16.3 | 55 | 39 | 94 | 696 | 3.9 |
| 1.1 | 3 | 700.1 | 16.5 | 49 | 48 | 97 | 627 | 9.9 |
| 1.2 | 4 | 701.1 | 18.4 | 39 | 44 | 83 | 557 | 22. |
| | 5 | 702.9 | 14.1 | 30 | 64 | 94 | 328 | Imp. |
| | 6 | 703.9 | 15.4 | 22 | 72 | 94 | 263 | 3.1 |
| | 7 | 704.6 | 16.9 | 37 | 51 | 88 | 485 | 7.2 |
| 1.0 | 8 | 705.8 | 17.5 | 29 | 54 | 83 | 394 | 14. |
| | 9 | 706.9 | 10.9 | 11 | 79 | 90 | 93 | 1.5 |
| 2 | 10 | 707.8 | 16.0 | 26 | 61 | 87 | 323 | 13. |
| 1 | 11 | 708.9 | 20.9 | 28 | 58 | 86 | 454 | 36. |

$h = 6.3$

$\phi = .178$

$S_w = .53$ ; (.47)

$S_{wr} = .332$