



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

August 19, 1981

ShoMor Gas & Oil Corporation  
10600 Mastin  
Overland Park, Kansas 66212

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Owens Lease, Well No. 12-A, located 165' West of the East Line and 2145' North of the South Line of the Northeast  $\frac{1}{4}$  in Section 8, T-18S, R-22E, in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on August 17, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Sanford A. Michel*  
by B.L.

Sanford A. Michel

SAM/kas

5 c to Overland Park, Kansas

# OILFIELD RESEARCH LABORATORIES

## LOG

Name ShoMor Gas & Oil Corporation Lease Owens Well No. 12-A

| <u>Depth Interval,</u><br><u>Feet</u> | <u>Description</u>                                 |
|---------------------------------------|----------------------------------------------------|
| 559.0 - 570.0                         | Brown sandstone with fine shale partings.          |
| 570.0 - 573.3                         | Gray and dark brown laminated shale and sandstone. |
| 573.3 - 573.8                         | Dark brown sandstone with fine shale partings.     |
| 573.8 - 576.0                         | Gray and dark brown laminated shale and sandstone. |

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE I

Company ShoMor Gas & Oil Corp. Lease Owens Well No. 12-A

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 559.4       | 22.3             | 41                 | 23    | 64    | 709                       | 68.          |
| 2          | 560.5       | 22.7             | 37                 | 27    | 64    | 652                       | 107.         |
| 3          | 561.5       | 22.4             | 38                 | 26    | 64    | 660                       | 78.          |
| 4          | 562.5       | 21.9             | 45                 | 16    | 61    | 765                       | 74.          |
| 5          | 563.6       | 19.2             | 41                 | 32    | 73    | 611                       | 30.          |
| 6          | 564.4       | 21.5             | 42                 | 27    | 69    | 701                       | 67.          |
| 7          | 565.5       | 19.3             | 43                 | 32    | 75    | 644                       | 35.          |
| 8          | 566.4       | 21.6             | 35                 | 29    | 64    | 587                       | 96.          |
| 9          | 567.6       | 21.7             | 27                 | 30    | 57    | 455                       | 84.          |
| 10         | 568.6       | 18.9             | 31                 | 40    | 71    | 455                       | 21.          |
| 11         | 569.6       | 19.3             | 48                 | 28    | 76    | 719                       | 39.          |
| 12         | 570.5       | 17.5             | 32                 | 44    | 76    | 434                       | 9.2          |
| 13         | 571.4       | 18.8             | 32                 | 46    | 78    | 467                       | 5.4          |
| 14         | 572.4       | 16.4             | 44                 | 42    | 86    | 560                       | 0.69         |
| 15         | 573.6       | 22.8             | 52                 | 24    | 76    | 920                       | 21.          |
| 16         | 574.5       | 21.6             | 52                 | 29    | 81    | 871                       | 6.0          |
| 17         | 575.4       | 19.6             | 59                 | 20    | 79    | 897                       | 5.7          |