

# OILFIELD RESEARCH LABORATORIES

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

June 24, 1981

Rogers & Williams  
4155 East Jewell Avenue  
Suite 1001  
Denver, Colorado 80222

Gentlemen:

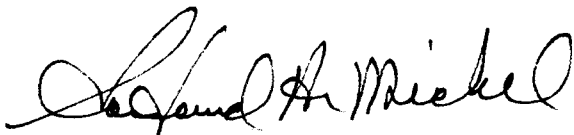
Attached hereto are the results of tests run on the rotary core samples taken from the Harrold Lease, Well No. 6, located in the Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  in Section 19, T-33S, R-12E, in Chautauqua County, Kansas.

The core samples were sealed in plastic bags by a representative of the client and were submitted to our laboratory on June 23, 1981. It is assumed that each core sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

5 c to Denver, Colorado



**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Rogers & Williams Lease Harrold Well No. 6

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbla. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 949.5       | 19.3             | 40                 | 48    | 88    | 599                       | 39.          |
| 2          | 950.5       | 20.7             | 31                 | 40    | 71    | 498                       | 153.         |
| 3          | 951.5       | 15.8             | 33                 | 47    | 80    | 405                       | 4.7          |
| 4          | 952.5       | 18.3             | 38                 | 43    | 81    | 540                       | 8.9          |
| 5          | 953.5       | 15.7             | 33                 | 53    | 86    | 402                       | 5.0          |
| 6          | 954.5       | 15.9             | 52                 | 40    | 92    | 641                       | 1.3          |
| 7          | 955.5       | 16.8             | 45                 | 45    | 90    | 587                       | 2.8          |
| 8          | 956.5       | 14.6             | 33                 | 53    | 86    | 374                       | 0.74         |
| 9          | 957.5       | 16.8             | 43                 | 39    | 82    | 560                       | 0.46         |
| 10         | 958.5       | 15.2             | 23                 | 54    | 77    | 271                       | 0.82         |
| 11         | 959.5       | 13.1             | 22                 | 74    | 96    | 224                       | Imp.         |