



# OILFIELD RESEARCH LABORATORIES

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

August 20, 1981

Town Oil Company  
R R # 4  
Paola, Kansas 66071

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Kern Lease, Well No. 6, located 995' North of the South Line and 1318' West of the East Line in Section 18, T-16S, R-24E, 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 18, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Sanford A. Michel*  
*by B.S.*

Sanford A. Michel

SAM/kas

5 c to Paola, Kansas

OILFIELD RESEARCH LABORATORIES

LOG

Name Town Oil Company Lease Kern Well No. 6

| <u>Depth Interval,</u><br><u>Feet</u> | <u>Description</u>                   |
|---------------------------------------|--------------------------------------|
|                                       | <u>SQUIRREL SAND</u>                 |
| 654.0 - 654.4                         | Gray shale.                          |
| 654.4 - 657.6                         | Brown sandstone.                     |
| 657.6 - 659.0                         | Grayish light brown shaly sandstone. |
| 659.0 - 659.6                         | Brown sandstone.                     |
| 659.6 - 660.9                         | Grayish light brown shaly sandstone. |
| 660.9 - 661.4                         | Brown sandstone.                     |
| 661.4 - 661.7                         | Gray shale.                          |

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Town Oil Company Lesse Kern Well No. 6

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 654.6       | 21.0             | 40                 | 28    | 68    | 652                       | 145.         |
| 2          | 655.5       | 20.4             | 37                 | 30    | 67    | 586                       | 26.          |
| 3          | 656.4       | 20.7             | 47                 | 32    | 79    | 755                       | 17.          |
| 4          | 657.4       | 19.1             | 44                 | 23    | 67    | 652                       | 11.          |
| 5          | 658.6       | 20.8             | 30                 | 30    | 60    | 484                       | 2.7          |
| 6          | 659.4       | 22.0             | 56                 | 16    | 72    | 956                       | 84.          |
| 7          | 660.6       | 19.4             | 19                 | 56    | 75    | 286                       | 5.6          |
| 8          | 661.3       | 22.3             | 34                 | 32    | 66    | 588                       | 87.          |