



# OILFIELD RESEARCH LABORATORIES

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

October 27, 1982

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 Kuhn Lease, Well No. 1, located 2475' from the East Line and 165' from the South Line in Section 19, T-16S, R-24E, Miami County, Kansas.

sec. 16, per KCC

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on October 25, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/rmc

5 c to Paola, Kansas

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LOG

Company Town Oil Company Lease Kuhn Well No. 1

| <u>Depth Interval,</u><br><u>Feet</u> | <u>Description</u>                        |
|---------------------------------------|---|
|                                       | <u>SQUIRREL SANDSTONE</u>                 |
| 687.0 - 688.8                         | Brown sandstone.                          |
| 688.8 - 689.9                         | Grayish brown very shaly sandstone.       |
| 689.9 - 691.0                         | Brown sandstone.                          |
| 691.0 - 691.5                         | Grayish brown very shaly sandstone.       |
| 691.5 - 692.5                         | Brown sandstone with gray shale partings. |
| 692.5 - 693.4                         | Grayish brown very shaly sandstone.       |
| 693.4 - 693.8                         | Brown slightly shaly sandstone.           |
| 693.8 - 695.3                         | Grayish brown very shaly sandstone.       |

## Oilfield Research Laboratories

### RESULTS OF SATURATION & PERMEABILITY TESTS

**TABLE 1**

Company Town Oil Company Lease Kuhn Well No. 1

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbbls. / A. Ft. | Permeability, Millidarcys |
|------------|-------------|------------------|--------------------|-------|-------|-----------------------------|---------------------------|
|            |             |                  | Oil                | Water | Total |                             |                           |
| 1          | 687.5       | 20.7             | 48                 | 3     | 51    | 771                         | 195.                      |
| 2          | 688.6       | 23.4             | 35                 | 21    | 56    | 635                         | 30.                       |
| 3          | 689.6       | 13.4             | 30                 | 14    | 44    | 312                         | Imp.                      |
| 4          | 690.5       | 21.2             | 39                 | 2     | 41    | 641                         | 41.                       |
| 5          | 691.6       | 17.5             | 43                 | 9     | 52    | 584                         | 10.                       |
| 6          | 692.4       | 21.6             | 52                 | 8     | 60    | 871                         | 18.                       |
| 7          | 693.6       | 20.9             | 26                 | 20    | 46    | 422                         | 7.8                       |
| 8          | 694.6       | 18.7             | 31                 | 49    | 80    | 450                         | 0.98                      |