



OILFIELD RESEARCH LABORATORIES

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

May 18, 1981

Town Oil Company
Rural Route #4
Paola, Kansas 66071

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Carter Lease, Well No. T-3, located in Section 29, T-17S, R-23E, Miami County, Kansas.

The core was sampled and sealed by a representative of the client and submitted to our laboratory on May 12, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem

5 c to Paola, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

OILFIELD RESEARCH LABORATORIES

LOGName Town Oil Company Lease Carter Well No. T-3

| <u>Depth Interval,</u> <u>Feet</u> | <u>Description</u> | <u>PERU SAND</u> |
|---------------------------------------|---|------------------|
| 333.0 - 333.6 | Brown calcareous sandstone. | |
| 333.6 - 335.1 | Hard gray limestone. | |
| 335.1 - 339.2 | Brown and gray laminated slightly calcareous sandstone and shale. | |
| 339.2 - 342.0 | Brown slightly calcareous sandstone. | |
| 342.0 - 343.1 | Hard gray limestone. | |
| 343.1 - 344.7 | Brown slightly calcareous sandstone. | |
| 344.7 - 345.7 | Brown and gray laminated slightly calcareous sandstone and shale. | |
| 345.7 - 347.0 | Gray laminated sandstone and shale. | |
| 347.0 - 349.2 | Light brown and gray laminated sandstone and shale. | |
| 349.2 - 350.4 | Gray laminated sandstone and shale. | |

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Town Oil Company Lease Carter Well No. T-3

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation | | | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
| | | | Oil | Water | Total | | |
| 1 | 333.5 | 16.1 | 60 | 28 | 88 | 749 | 12. |
| 2 | 335.5 | 25.5 | 36 | 32 | 68 | 712 | 52. |
| 3 | 336.4 | 21.9 | 46 | 36 | 82 | 782 | 10. |
| 4 | 337.4 | 20.8 | 48 | 40 | 88 | 775 | 43. |
| 5 | 338.4 | 22.5 | 17 | 44 | 61 | 297 | 4.8 |
| 6 | 339.3 | 21.0 | 48 | 31 | 79 | 782 | 163. |
| 7 | 340.4 | 23.7 | 42 | 27 | 69 | 772 | 125. |
| 8 | 341.4 | 24.3 | 48 | 17 | 65 | 905 | 664. |
| 9 | 343.5 | 16.2 | 40 | 29 | 69 | 503 | 25. |
| 10 | 344.3 | 14.8 | 44 | 44 | 88 | 505 | 25. |
| 11 | 345.2 | 17.0 | 40 | 37 | 77 | 528 | 2.0 |
| 12 | 347.4 | 16.1 | 44 | 46 | 90 | 550 | 0.87 |