

OILFIELD RESEARCH LABORATORIES

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

June 12, 1980

Midwest Corporation, Inc.
P.O. Box 347
Independence, Kansas 67301

Gentlemen:

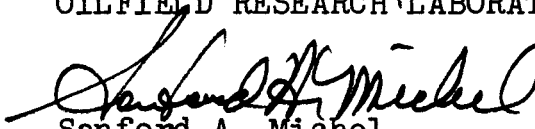
Attached hereto are the results of tests run on the rotary core taken from the Swaney Lease, Well No. 5, located in Section 28, T-33S, R-13E, Chautauqua County, Kansas.

The core was out approximately six hours before it was received in our laboratory and then sampled by a representative of Oilfield Research Laboratories on June 8, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/tem
5 c to Independence, Kansas

OILFIELD RESEARCH LABORATORIES

LOG

Name Midwest Corporation, Inc. Lease Swaney Well No. 5

Nam
Depth Interval,
Feet

Description

WISER SAND

| | |
|-----------------|--|
| 1034.0 - 1035.1 | Light brown slightly calcareous sandstone containing a vertical fracture. |
| 1035.1 - 1035.8 | Light brown slightly shaly slightly calcareous sandstone containing a vertical fracture. |
| 1035.8 - 1039.2 | Light brown slightly calcareous sandstone containing a vertical fracture. |
| 1039.2 - 1040.3 | Light brown slightly shaly slightly calcareous sandstone. |
| 1040.3 - 1054.0 | Light brown slightly calcareous sandstone. |

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Midwest Corporation, Incorporated Lease Swaney Well No. 5

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation | | | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
| | | | Oil | Water | Total | | |
| 1 | 1034.3 | 17.2 | 10 | 57 | 67 | 133 | 23. |
| 2 | 1035.5 | 14.9 | 22 | 46 | 68 | 254 | 8.2 |
| 3 | 1036.5 | 15.8 | 21 | 51 | 72 | 257 | 37. |
| 4 | 1037.5 | 21.2 | 20 | 45 | 65 | 329 | 52. |
| 5 | 1038.5 | 19.0 | 16 | 57 | 73 | 236 | 92. |
| 6 | 1039.5 | 15.0 | 15 | 55 | 70 | 175 | 9.1 |
| 7 | 1040.5 | 15.7 | 23 | 52 | 75 | 280 | 11. |
| 8 | 1041.5 | 14.9 | 17 | 61 | 78 | 197 | 15. |
| 9 | 1042.5 | 16.3 | 15 | 56 | 71 | 190 | 37. |
| 10 | 1043.5 | 18.1 | 18 | 45 | 63 | 263 | 21. |
| 11 | 1044.5 | 16.8 | 25 | 44 | 69 | 326 | 32. |
| 12 | 1045.5 | 18.2 | 37 | 31 | 68 | 522 | 32. |
| 13 | 1046.5 | 17.1 | 32 | 39 | 71 | 425 | 25. |
| 14 | 1047.5 | 17.4 | 26 | 46 | 72 | 351 | 49. |
| 15 | 1048.5 | 18.0 | 27 | 47 | 74 | 377 | 36. |
| 16 | 1049.5 | 18.5 | 20 | 43 | 63 | 287 | 44. |
| 17 | 1050.5 | 17.6 | 19 | 51 | 70 | 259 | 37. |
| 18 | 1051.3 | 16.9 | 18 | 50 | 68 | 236 | 20. |
| 19 | 1052.5 | 17.4 | 28 | 42 | 70 | 378 | 32. |
| 20 | 1053.5 | 17.3 | 21 | 47 | 68 | 282 | 31. |