

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

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536 N. HIGHLAND
CHANUTE, KANSAS
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May 17, 1962

W. S. Fees
Box 447
Iola, Kansas

Dear Sir:

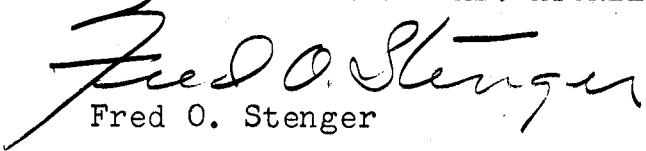
Enclosed herewith are the results of tests run on the Cable Tool core taken from the Unit 3 Lease, Well No. Test #1, Anderson County, Kansas, and submitted to our laboratory on May 14, 1962.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Fred O. Stenger

FOS:rf

2 c. - W.S. Fees
3 c. - Clark & Clark
1 c. - Max Loy

-LOG-

Company W.S. Fees Lease Unit 3 Well No. Test #1

Depth Interval, Description
Feet

809.0 - 816.3 - Sandy shale.

816.3 - 839.5 - Laminated sandstone and shale.

839.5 - 854.0 - Brown laminated shaly sandstone - (started flowing here).

854.0 - 857.0 - Dark, carbonaceous, shaly sandstone.

857.0 - 861.0 - Shale.

Oilfield Research Laboratories
RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company W.S. Fees Lease Unit 3 Well No. Test #1

| Sample No. | Depth, Feet | Effective Porosity Percent | Percent Saturation | | | Oil Content Bbbls. / A Ft. | Perm., Mill. | Feet of Sand | | Total Oil Content | Perm. Capacity Ft. X md. |
|------------|-------------|----------------------------|--------------------|-------|-------|----------------------------|--------------|--------------|----------|-------------------|--------------------------|
| | | | Oil | Water | Total | | | Ft. | Cum. Ft. | | |
| 10 | 835.0 | 14.7 | 21 | 76 | 97 | 240 | - | 1.0 | 1.0 | 240 | - |
| 11 | 836.0 | 15.2 | 19 | 76 | 95 | 224 | - | 1.0 | 2.0 | 224 | - |
| 12 | 837.0 | 14.5 | 20 | 74 | 94 | 225 | - | 1.0 | 3.0 | 225 | - |
| 13 | 838.0 | 14.8 | 19 | 71 | 90 | 218 | - | 1.0 | 4.0 | 218 | - |
| 14 | 839.0 | 16.9 | 36 | 62 | 98 | 472 | - | 1.0 | 5.0 | 472 | - |
| 15 | 840.0 | 16.1 | 23 | 66 | 89 | 287 | - | 1.0 | 6.0 | 287 | - |
| 16 | 841.0 | 16.3 | 26 | 58 | 84 | 329 | - | 1.0 | 7.0 | 329 | - |
| 17 | 842.0 | 15.3 | 28 | 62 | 90 | 332 | - | 1.0 | 8.0 | 332 | - |
| 18 | 843.0 | 16.6 | 21 | 69 | 90 | 270 | - | 1.0 | 9.0 | 270 | - |
| 19 | 844.0 | 17.3 | 24 | 68 | 92 | 322 | - | 1.0 | 10.0 | 322 | - |
| 20 | 845.0 | 19.4 | 27 | 65 | 92 | 406 | - | 1.0 | 11.0 | 406 | - |
| 21 | 846.0 | 18.9 | 29 | 59 | 88 | 426 | - | 1.0 | 12.0 | 426 | - |
| 22 | 847.0 | 17.1 | 29 | 64 | 93 | 385 | - | 1.0 | 13.0 | 385 | - |
| 23 | 848.0 | 17.0 | 34 | 60 | 94 | 448 | - | 1.0 | 14.0 | 448 | - |
| 24 | 849.0 | 15.8 | 24 | 71 | 95 | 294 | - | 1.0 | 15.0 | 294 | - |
| 25 | 850.5 | 15.9 | 32 | 57 | 89 | 395 | - | 1.5 | 16.5 | 593 | - |
| 26 | 851.5 | 17.6 | 46 | 43 | 89 | 628 | - | 1.0 | 17.5 | 628 | - |
| 27 | 852.5 | 16.4 | 43 | 49 | 92 | 547 | - | 1.0 | 18.5 | 547 | - |
| 28 | 853.5 | 17.5 | 58 | 32 | 90 | 788 | - | 1.0 | 19.5 | 788 | - |
| 29 | 854.5 | 17.2 | 44 | 41 | 85 | 590 | - | 1.4 | 20.9 | 826 | - |
| 30 | 855.5 | 12.9 | 14 | 81 | 95 | 140 | - | 1.6 | 22.5 | 224 | - |
| Total | | | | | | | | | | 8,484 | |

