

EARLOUGH ENGINEERING

RESULTS OF PERMEABILITY TESTS

COMPANY **Kewanee Oil Company**

WELL **Daniels No. 29**

| Sample No. | Depth Feet | Permeability Millidarcys | FEET OF SAND | | Capacity Ft. X Md. | Sample No. | Depth Feet | Permeability Millidarcys | FEET OF SAND | | Capacity Ft. X Md. |
|------------|------------|--------------------------|--------------|----------|--------------------|------------|------------|--------------------------|--------------|----------|--------------------|
| | | | Ft. | Cum. Ft. | | | | | Ft. | Cum. Ft. | |
| 1 | 661.3 | 20. | 0.3 | 0.3 | 6.0 | 16 | 671.5 | 0.7 | 0.2* | | |
| 2 | 661.8 | 2.2 | 0.3 | 0.6 | 0.7 | 17 | 672.0 | Imp. | 0.4* | | |
| 3 | 662.4 | 8.2 | 0.3 | 0.9 | 2.5 | 18 | 673.5 | 2.1 | 0.4 | 5.1 | 0.8 |
| 4 | 663.0 | 21. | 0.5 | 1.4 | 11. | 19 | 674.6 | 1.5 | 0.7* | | |
| 5 | 663.4 | Imp. | 0.8* | | | 20 | 675.1 | 24. | 0.7 | 5.8 | 17. |
| 6 | 664.2 | 35. | 0.5 | 1.9 | 18. | 21 | 675.7 | 22. | 0.5 | 6.3 | 11. |
| 7 | 664.8 | 27. | 0.5 | 2.4 | 14. | 22 | 676.2 | 17. | 0.6 | 6.9 | 10. |
| 8 | 665.1 | 16. | 0.4 | 2.8 | 6.4 | 23 | 676.7 | 2.9 | 0.5 | 7.4 | 1.5 |
| 9 | 665.7 | 5.8 | 0.5 | 3.3 | 2.9 | 24 | 677.3 | 4.3 | 0.6 | 8.0 | 2.6 |
| 10 | 666.6 | 2.2 | 0.6 | 3.9 | 1.3 | 25 | 677.8 | 1.3 | 0.4 | 8.4 | 0.5 |
| 11 | 667.9 | Imp. | 0.4* | | | 26 | 678.4 | 5.7 | 0.6 | 9.0 | 3.4 |
| 12 | 668.3 | Imp. | 0.6* | | | 27 | 678.9 | 15. | 0.6 | 9.6 | 9.0 |
| 13 | 669.1 | 6.7 | 0.7* | | | 28 | 680.2 | 0.4 | 1.0* | | |
| 14 | 669.4 | 10. | 0.3 | 4.2 | 3.0 | 29 | 681.3 | Imp. | 1.2* | | |
| 15 | 670.5 | 5.0 | 0.5 | 4.7 | 2.5 | | | | | | |

* Not included in cumulative feet of sand.
 ** Includes 1.5 feet of probable sand drilled.

SUMMARY

| | DEPTH FEET | | FEET OF SAND | AVERAGE PERMEABILITY | CAPACITY FT. X MD. |
|---|------------|-------|--------------|----------------------|--------------------|
| | FROM | TO | | | |
| 1 | 661.3 | 679.3 | 9.6 | 13. | 124. |
| 1 | 658.3 | 679.3 | 11.1** | 13. | 143. |