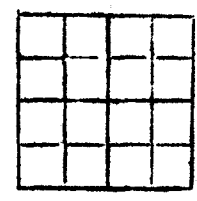


Company *A. M. Lorenzen*
 Farm Geo Sullivan No. 1

Plotted
QPK
 Sec. *11* T. 14 R. 17 *E*
 Loc. *NENE*
11-14-17E
 County Douglas

Total Depth *677*
 Comm. *Nov. 1936* Comp. *May 8, 1937*
 Shot or Treated
 Contractor
 Issued



Casing
 20 in. 10 in.
 15 1-2 8 1-4
 12 1-2 6 5-8
 13 3-8 5 3-16

Elevation
 Production

Figures Indicate Bottom of Formation

| | | |
|-----------------------------|-----|---------------------------------|
| Cellar (Soil) | 0 | 9 |
| Lime | 9 | 10 |
| Blue Shale | 10 | 13 |
| Lime | 13 | 20 |
| Blue Shale | 20 | 27 |
| Lime | 27 | 29 |
| Blue Shale | 29 | 60 |
| Lime | 60 | 65 |
| Blue Shale | 65 | 115 |
| Lime | 115 | 117 |
| Shale | 117 | 130 |
| Lime | 130 | 145 |
| Black | 145 | 150 |
| Lime | 150 | 152 |
| Black Shale | 152 | 157 |
| Gray Shale | 157 | 160 |
| Lime | 160 | 170 |
| Light Shale water | 170 | 200 Little water |
| Lime | 200 | 205 |
| Shale | 205 | 323 |
| Lime | 323 | 333 |
| Sand | 333 | 350 water to drill with |
| Sandy Blue Shale | 350 | 370 |
| White Shale | 370 | 425 |
| Sandy Shale | 425 | 448 |
| Lime | 448 | 458 |
| Shale | 458 | 461 |
| Lime | 461 | 435 |
| Blue Shale - <i>Endover</i> | 435 | 489 more water |
| Lime | 489 | 499 |
| Shale | 499 | 516 |
| Lime | 516 | 535 <i>PIP</i> |
| Sandy Shale | 535 | 550 <i>same - some 2 1/2 in</i> |
| Blue Shale | 550 | 632 |
| Lime | 632 | 658 |
| Shale | 658 | 660 |
| Lime | 660 | 670 |
| Black Shale - <i>mixed</i> | 670 | 672 |
| Lime | 672 | 677 |
| Shale | 677 | |

Top Lane?

May 10, 1937

677/ Steele line measurements
 Shut down for 10" casing