

## CLAUDE CROWDER

DRILLING CONTRACTOR

BOX 71

FORT SCOTT, KANSAS

Log of Townsley Well # 1  
Tietze & Jones,

|     |             |     |
|-----|-------------|-----|
| 1   | Soil        | 1   |
| 3   | Gravel      | 4   |
| 10  | Lime        | 14  |
| 10  | Shale       | 24  |
| 20  | Lime        | 44  |
| 5   | Shale       | 49  |
| 20  | Lime        | 69  |
| 2   | Shale       | 70  |
| 15  | Lime        | 85  |
| 7   | Shale       | 92  |
| 10  | Lime        | 102 |
| 148 | Shale       | 250 |
| 12  | Lime        | 262 |
| 67  | Shale       | 329 |
| 22  | Lime        | 351 |
| 4   | Shale       | 355 |
| 12  | Lime        | 367 |
| 43  | Shale       | 410 |
| 5   | Lime        | 415 |
| 2   | Shale       | 417 |
| 20  | Lime        | 437 |
| 5   | Shale       | 442 |
| 5   | Lime        | 447 |
| 160 | Shale       | 607 |
| 12  | White Shale | 619 |
| 11  | Oil Sand    | 630 |
| 1   | Shale       | 631 |

Co. of Bradley 011/2  
 Dist. of Jones,

|     |             |     |
|-----|-------------|-----|
| 1   | Soil        | 1   |
| 3   | Gravel      | 4   |
| 10  | Lime        | 14  |
| 10  | Shale       | 34  |
| 20  | Lime        | 44  |
| 5   | Shale       | 10  |
| 20  | Lime        | 66  |
| 2   | Shale       | 72  |
| 15  | Lime        | 65  |
| 7   | Shale       | 82  |
| 10  | Lime        | 102 |
| 143 | Shale       | 250 |
| 12  | Lime        | 262 |
| 67  | Shale       | 329 |
| 22  | Lime        | 351 |
| 4   | Shale       | 355 |
| 12  | Lime        | 367 |
| 43  | Shale       | 410 |
| 5   | Lime        | 415 |
| 2   | Shale       | 417 |
| 20  | Lime        | 437 |
| 5   | Shale       | 442 |
| 5   | Lime        | 447 |
| 150 | Shale       | 607 |
| 12  | White shale | 610 |
| 11  | Oil Sand    | 630 |
| 1   | Shale       | 651 |