

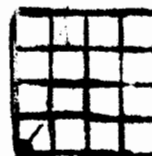
JOHN H. LEAVELL  
Larsen No. 1.

SEC. 1 T. 9 R. 17W  
SWc SW

15-163-03856

Total Depth. 3441'  
Comm. 3-25-38 Comp. 5-12-38  
Shot or Treated.  
Contractor. Twin Drlg. Co.  
Issued. 10-15-38

County. Rooks



CASING:

7" 3436'

Elevation.

Production. Dry

Figures Indicate Bottom of Formations.

|                        |      |                                 |      |
|------------------------|------|---------------------------------|------|
| shale                  | 35   | lime                            | 3164 |
| sand                   | 70   | shale                           | 3175 |
| shy shale shells       | 156  | lime                            | 3233 |
| shale                  | 385  | core 3242                       |      |
| lime                   | 408  | lime                            | 3296 |
| shale lime shells      | 516  | shale                           | 3299 |
| sand shells            | 541  | lime                            | 3309 |
| no log                 | 588  | shale shells                    | 3319 |
| shale grey             | 628  | lime                            | 3394 |
| shale red              | 638  | shale red shells                | 3408 |
| shale grey             | 653  | lime cherty                     | 3418 |
| shale red              | 686  | lime                            | 3438 |
| shale grey             | 695  | lime cored                      | 3441 |
| shale red              | 708  | Total Depth.                    |      |
| lime                   | 746  |                                 |      |
| lime brkn              | 800  |                                 |      |
| shale shells           | 860  | rec 1' spotted saturation       |      |
| sand                   | 960  | Kansas City 3135-3395 oil & wtr |      |
| shale shells           | 1015 | Arbuokle 3432-41 Dry            |      |
| shale red              | 1285 |                                 |      |
| lime anhydrite         | 1298 |                                 |      |
| lime brkn              | 1325 |                                 |      |
| shale red, iron shells |      |                                 |      |
| gyp lime               | 1428 |                                 |      |
| shale shells           | 1540 |                                 |      |
| lime brkn              | 1588 |                                 |      |
| lime                   | 1608 |                                 |      |
| salt                   | 1694 |                                 |      |
| lime brkn              | 1719 |                                 |      |
| shale                  | 1745 |                                 |      |
| lime                   | 1765 |                                 |      |
| lime brkn              | 1789 |                                 |      |
| lime                   | 1840 |                                 |      |
| shale                  | 1849 |                                 |      |
| lime brkn              | 1874 |                                 |      |
| lime                   | 1937 |                                 |      |
| lime brkn              | 1974 |                                 |      |
| lime                   | 2097 |                                 |      |
| shale                  | 2108 |                                 |      |
| shy lime               | 2135 |                                 |      |
| lime                   | 2240 |                                 |      |
| shale                  | 2245 |                                 |      |
| lime                   | 2288 |                                 |      |
| brkn lime              | 2280 |                                 |      |
| lime                   | 2435 |                                 |      |
| shale                  | 2451 |                                 |      |
| lime                   | 2494 |                                 |      |
| shale red              | 2503 |                                 |      |
| lime                   | 2620 |                                 |      |
| shale                  | 2625 |                                 |      |
| lime brkn              | 2663 |                                 |      |
| lime shy               | 2797 |                                 |      |
| shale shells           | 2840 |                                 |      |
| lime                   | 2869 |                                 |      |
| shale                  | 2878 |                                 |      |
| lime                   | 3032 |                                 |      |
| shale red shells       | 3040 |                                 |      |
| lime                   | 3055 |                                 |      |
| shale shells           | 3060 |                                 |      |