

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bank Bldg., Wichita, Kansas.

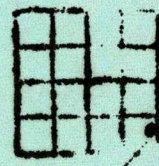
WATCHORN OIL AND GAS CO.
Bothwell No. 1.

SEC. 6 T. 22 R. 4E.
CEL S $\frac{1}{2}$ SE $\frac{1}{4}$

Total Depth. 2611.
Conn. 2-22-20 Comp. 5-25-20
Shot or Treated.
Contractor.
Issued.

County Marion

Plotted



CASING.

15 $\frac{1}{2}$ " 116'
12 $\frac{1}{2}$ " 1019
10" 1635
8 $\frac{1}{2}$ " 2522

Elevation. 1417

Production. DRY.

Figures Indicate Bottom of Formations.

| | | | | | |
|-------------|------|-----------------|------|----------------|------|
| lime red | 40 | shale blue | 1026 | shelly dark | 1319 |
| soapstone | 45 | lime | 1030 | slate dark | 1352 |
| red rock | 50 | shale | 1035 | lime dark | 1357 |
| shale blue | 65 | lime | 1050 | shy lime | 1370 |
| gritty lime | 115 | shale blue | 1055 | shy lime | 1940 |
| red rock | 120 | lime | 1060 | shale light | 1952 |
| shale blue | 125 | slate hard | 1127 | lime dark | 2010 |
| lime | 165 | lime hard | 1142 | slate dark | 2015 |
| shale blue | 170 | shale white | 1150 | lime white | 2050 |
| lime | 190 | slate blue | 1180 | shale dark | 2055 |
| slate blue | 205 | lime | 1185 | lime dark | 2089 |
| lime | 217 | slate | 1190 | slate dark | 2090 |
| slate blue | 222 | shelly | 1197 | shy lime | 2100 |
| lime | 227 | shale blue | 1202 | lime darj | 2125 |
| shy lime | 265 | slate blue | 1210 | lime | 2130 |
| lime | 315 | slate blue | 1255 | 2 BW 2130 | |
| slate blue | 327 | lime dark | 1285 | lime dark | 2152 |
| lime | 335 | shale dark | 1290 | slate dark | 2153 |
| shale blue | 345 | shale blue | 1295 | lime dark | 2180 |
| shy shale | 360 | sand grey | 1300 | shale dark | 2184 |
| red rock | 370 | shale blue | 1312 | lime dark | 2210 |
| shale blue | 418 | lime dark | 1317 | shale dark | 2265 |
| lime | 425 | slate dark | 1340 | shale light | 2275 |
| slate blue | 433 | lime dark | 1344 | shale shells | 2345 |
| lime | 438 | slate dark | 1355 | shy shale | 2355 |
| shale blue | 515 | lime dark | 1360 | slate dark | 2370 |
| lime | 520 | slate dark | 1365 | sand | 2425 |
| red rock | 530 | lime dark | 1385 | red rock | 2430 |
| shy shale | 540 | shale light | 1412 | small sh oil | 2430 |
| lime | 550 | lime light | 1445 | slate dark | 2520 |
| shale blk | 560 | shale blue | 1455 | lime dark | 2524 |
| shale blue | 620 | lime dark | 1460 | shale blue | 2554 |
| lime | 630 | slate dark | 1470 | HFW 2555 | |
| shale white | 645 | lime dark | 1500 | sand soft dark | 2585 |
| lime | 665 | sand light 2 BW | 1510 | lime dark | 2575 |
| shale blk | 695 | slate dark | 1548 | shale white | 2611 |
| lime | 700 | lime dark | 1585 | | |
| shale blk | 765 | slate dark | 1592 | Total Depth. | |
| lime | 775 | lime dark | 1595 | | |
| shale blue | 810 | slate dark | 1600 | | |
| red rock | 820 | lime dark | 1612 | | |
| shale blk | 905 | slate dark | 1635 | | |
| lime | 910 | 4 BW 1635 | | | |
| shale | 915 | lime dark | 1645 | | |
| lime | 920 | slate dark | 1670 | | |
| shale blue | 950 | sand light | 1690 | | |
| lime | 965 | slate dark | 1700 | | |
| shale blue | 985 | shale blue | 1725 | | |
| lime | 995 | sand soft | 1735 | | |
| shale blue | 1019 | shale blue | 1811 | | |