

WELL LOG BUREAU, KANSAS GEOLOGICAL SOCIETY
 UNION NATIONAL BANK BLDG., WICHITA, KANSAS

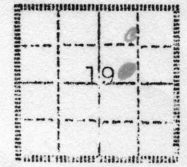
27302

CASING RECORD

LOCATION Cen SE NW NE

SEC 19 T 24 R 11 E.

10" 865 FARM Freeman NO. 2 COUNTY Greenwood
 20" 8 1-4 1145 COMPANY Manhattan Oil Company.
 15 1-2 5 5-8 CONTRACTOR
 12 1-2 5 3-16 COMPLETED



TOTAL DEPTH SHOT QUARTS BETWEEN COMPLETED
 CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO

ELEVATION 1181
 INITIAL PRODUCTION D. & A.

FIGURES INDICATE BOTTOM OF FORMATIONS.
 REMARKS

| Formation | Depth | Formation | Depth |
|-----------------------|---------|--------------------------------|-------|
| soil | 15 | water sand | 925 |
| lime shale | 23 | (Correct depth for water sand) | |
| mud | 40 | (845 855) | |
| lime | | | |
| mud | 70 | shale | 865 |
| lime gray | 80 | shale | 875 |
| shale | 110 | sand | 925 |
| lime | 125 | shale | 930 |
| shale | 145 | lime | 932 |
| shale dark | omitted | sand | 950 |
| lime light | " | lime | |
| shale light | " | sand | |
| lime | 245 ? | shale | |
| blue mud | 185 | shale | 998 |
| lime | 195 | lime | 1016 |
| mud | 215 | shale | 1018 |
| lime | 230 | lime | 1030 |
| shale | 250 | lime | 1055 |
| lime | 265 | lime | 1070 |
| shale | 285 | lime | 1105 |
| lime | 320 | lime | 1110 |
| lime | 350 | shale | 1123 |
| shale | 365 | shale | 1170 |
| lime | 377 | lime | 1173 |
| shale | 382 | slate | 1180 |
| lime | 385 | slate | 1190 |
| shale | 407 | slate | 1215 |
| lime | 423 | slate | 1255 |
| red mud | 438 | lime | 1275 |
| lime | 445 | lime (1 B.W. 1345') | 1320 |
| mud | 465 | lime | 1355 |
| lime | 464 | lime | 1385 |
| lime | 470 | lime | 1425 |
| shale (1 B.W. 570') | 482 | lime | 1445 |
| lime | 501 | shale | 1505 |
| shale | 519 | shale | 1555 |
| lime | 529 | shale | 1585 |
| mud | 549 | lime | 1585 |
| shale | 579 | shale | 1605 |
| sand ? | 591 | lime | 1620 |
| lime | 621 | slate | 1660 |
| shale | 635 | shale | 1715 |
| lime | 680 | lime | 1730 |
| shale | 700 | slate | 1770 |
| lime | 705 | slate | 1830 |
| shale | 714 | sand | 1837 |
| lime | 726 | shale | 1845 |
| shale | 751 | slate | 1850 |
| lime (5 B.W. PH 845') | 771 | slate | 1910 |
| shale | 785 | lime | 1920 |
| shale | 815 | slate | 1945 |
| mud (1 BW 855') | 856 | lime | 1960 |
| shale | 831 | slate | 1985 |
| lime | 887 | (Shut down) | |
| shale (Water 895') | 397 | | |
| lime | 914 | | |