

COMPANY Must LEASE use the WELL NO. 3 DATE 11 Nov 1961

LOCATION: Unit \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

565-1 L/H 1,000 G. 700 % CO<sub>2</sub> % N<sub>2</sub> % H<sub>2</sub>S-

Ammonium Fluoride { 10 d 4.950 F<sub>1</sub> 0032907 GH 395-6  
C.O. 2.370 / CF 2nd 3rd

| LINE                                                                                       | 1st      | 2nd      | 3rd      | 4th      | 5th      | 6th      | 7th      | 8th      |
|--------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 Qm                                                                                       | .572     | .512     | .734     | .734     | 1.025    | 1.025    | 1.215    | 2.21d    |
| 2 Tw (W.H. °R)                                                                             | 529      | 534      | 534      | 534      | 534      | 534      | 534      | 534      |
| 3 Ts (B.H. °R)                                                                             | 562      | 562      | 562      | 562      | 562      | 562      | 562      | 562      |
| 4 T = ( $\frac{T_w + T_s}{2}$ )                                                            | 549      | 549      | 549      | 549      | 549      | 549      | 549      | 549      |
| 5 Z (Est.)                                                                                 | .863     | .871     | .875     | .865     | .892     | .882     | .910     | .901     |
| 6 TZ                                                                                       | 472.9    | 472.3    | 479.5    | 474.0    | 488.8    | 483.3    | 498.7    | 493.7    |
| 7 GH/TZ                                                                                    | 8.365    | 8.288    | 8.250    | 8.346    | 8.093    | 8.185    | 7.933    | 8.012    |
| 8 e <sup>s</sup> (Table XIV)                                                               | 1.369    | 1.365    | 1.363    | 1.367    | 1.355    | 1.359    | 1.346    | 1.350    |
| 9 1-e <sup>s</sup> (Table XIV)                                                             | .269     | .267     | .266     | .269     | .262     | .264     | .257     | .260     |
| 10 Pt                                                                                      | 727.2    | 727.2    | 666.2    | 666.2    | 579.2    | 579.2    | 479.2    | 479.2    |
| 11 P <sub>t</sub> <sup>2</sup> /1000                                                       | 528.8    | 528.8    | 443.8    | 443.8    | 335.5    | 335.5    | 229.6    | 229.6    |
| 12 F <sub>r</sub> (Table XV)                                                               | .0032907 | .0032907 | .0032907 | .0032907 | .0032907 | .0032907 | .0032907 | .0032907 |
| 13 F <sub>c</sub> = F <sub>r</sub> TZ                                                      | 1.556    | 1.571    | 1.598    | 1.560    | 1.608    | 1.591    | 1.601    | 1.624    |
| 14 F <sub>c</sub> Q <sub>m</sub>                                                           | .80      | .80      | 1.16     | 1.14     | 1.65     | 1.63     | 1.994    | 1.974    |
| 15 L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup>                                       | .63      | .65      | 1.34     | 1.31     | 2.72     | 2.66     | 3.98     | 3.90     |
| 16 F <sub>w</sub> = L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup> (1-e <sup>-S</sup> ) | .17      | .17      | .36      | .35      | .71      | .70      | 1.02     | 1.01     |
| 17 P <sub>w</sub> <sup>2</sup> = P <sub>t</sub> <sup>2</sup> + F <sub>w</sub>              | 529.0    | 529.0    | 444.2    | 444.2    | 336.2    | 336.2    | 230.9    | 230.6    |
| 18 P <sub>s</sub> <sup>2</sup> = c <sup>s</sup> P <sub>w</sub> <sup>2</sup>                | 723.9    | 721.8    | 605.2    | 607.4    | 455.4    | 456.9    | 310.6    | 311.5    |
| 19 Ps                                                                                      | 850.8    | 849.6    | 778.0    | 779.4    | 674.8    | 676.0    | 557.3    | 558.1    |
| 20 P = ( $\frac{P_t + P_s}{2}$ )                                                           | 789.0    | 788.4    | 722.1    | 722.8    | 627.0    | 627.6    | 518.2    | 518.7    |
| 21 P <sub>r</sub> = (P/P <sub>cr</sub> )                                                   | 1.18     | 1.18     | 1.08     | 1.08     | .94      | .94      | .78      | .78      |
| 22 T <sub>r</sub> = (T/T <sub>cr</sub> )                                                   | 1.40     | 1.40     | 1.40     | 1.40     | 1.40     | 1.40     | 1.40     | 1.40     |
| 23 Z (Table XI)                                                                            | .871     | .871     | .865     | .865     | .822     | .822     | .801     | .801     |