

# WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P<sub>f</sub> & P<sub>s</sub>)  
(SURFACE) (P<sub>c</sub> & P<sub>w</sub>)

Form C-12212  
Adopted 9-1-65

COMPANY CONOCO LEASE Bell Lake Unit WELL NO. 1 DATE 5-14-69

LOCATION: Unit N Section 31 Township 23 S Range 34 E

L 13,249 H 13,249 L/H 1.000 G 578 % CO<sub>2</sub> .47 % N<sub>2</sub> .14 % H<sub>2</sub>S 0

d 2.1756 F<sub>r</sub> .0154 Q<sub>m</sub> 1.877 M<sup>2</sup>cfd (L/H) (F<sub>r</sub>Q<sub>m</sub>)<sup>2</sup> .0004663 P<sub>CT</sub> 6.72 T<sub>CT</sub> 346

TABLE IX & X

| LINE | ITEM                                             | SOURCE                          | 1      | 2       | 3       | 4     | 5       | 6       | 7 | 8 | 9 | 10 |
|------|--------------------------------------------------|---------------------------------|--------|---------|---------|-------|---------|---------|---|---|---|----|
| 1    | H                                                |                                 | 0      | 6625    |         |       | 13,249  |         |   |   |   |    |
| 2    | GH                                               |                                 | 0      | 3829    |         |       | 7658    |         |   |   |   |    |
| 3    | 37.5GH                                           |                                 | 0      | 143,587 |         |       | 287,175 |         |   |   |   |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                 |                                 | 12.62  | 1487    | 1490    |       | 1718    | 1724    |   |   |   |    |
| 5    | P <sub>r</sub>                                   |                                 | 1.88   | 2.21    | 2.22    |       | 2.56    | 2.57    |   |   |   |    |
| 6    | T                                                |                                 | 535    | 585     | 585     |       | 635     | 635     |   |   |   |    |
| 7    | T <sub>r</sub>                                   |                                 | 1.55   | 1.69    | 1.69    |       | 1.84    | 1.84    |   |   |   |    |
| 8    | Z                                                |                                 | .850   | .932    | .932    |       | .969    | .969    |   |   |   |    |
| 9    | P/Z                                              | 4÷8                             | 1435   | 1686    | 1689    |       | 1890    | 1896    |   |   |   |    |
| 10   | P/TZ                                             | 9÷5                             | 2.78   | 2.88    | 2.89    |       | 2.98    | 2.98    |   |   |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000                        | (10) 2/1000                     | .00773 | .00829  | .00835  |       | .00833  | .00838  |   |   |   |    |
| 12   | L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup> |                                 | .00097 | .00097  | .00097  |       | .00097  | .00097  |   |   |   |    |
| 13   |                                                  | I <sub>1</sub> + I <sub>2</sub> | .00870 | .00026  | .00932  |       | .00985  | .00985  |   |   |   |    |
| 14   | I <sub>n</sub>                                   | I <sub>0</sub> + I <sub>3</sub> | 319.5  | 311.0   | 310.1   |       | 302.5   | 302.5   |   |   |   |    |
| 15   | M = P <sub>n</sub> - P <sub>n-1</sub>            |                                 |        | 224.7   | 227.7   | 228.1 | 227.8   | 234.3   |   |   |   |    |
| 16   | N = I <sub>n</sub> + I <sub>n-1</sub>            |                                 |        | 630.5   | 609.6   |       | 612.6   | 612.6   |   |   |   |    |
| 17   | M × N                                            | 15 × 16                         |        |         | 143,610 |       |         | 143,532 |   |   |   |    |
| 18   | Σ (M × N)                                        | Σ 17                            |        |         |         |       |         |         |   |   |   |    |