

# 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-122-E  
Adopted 9-1-65

COMPANY Conoco LEASE Conoco No. 400 WELL NO. 12 DATE 1-28-72

LOCATION: Unit H Section 1 Township 12 Range 12

L H L/H 6.209 G 2618.56 % CO<sub>2</sub> 0.014760 % N<sub>2</sub> 0.014760 % H<sub>2</sub>S 0.014760  
d 1.995 F<sub>r</sub> 0.01823 Q<sub>m</sub> 6.209 M<sub>2</sub> 2618.56 (L/H) (F<sub>r</sub> Q<sub>m</sub>)<sup>2</sup> 0.014760 P<sub>cr</sub> 673.0 T<sub>cr</sub> 375  
TABLE IX & X TABLE IX & X

| NE | ITEM                                             | SOURCE | 1       | 2       | 3       | 4       | 5       | 6 | 7 | 8 | 9 | 10 |
|----|--------------------------------------------------|--------|---------|---------|---------|---------|---------|---|---|---|---|----|
| 1  | H                                                |        | 0       | 5385.15 |         | 16491   |         |   |   |   |   |    |
| 2  | GH                                               |        | 0       | 3491.4  |         | 6992.8  |         |   |   |   |   |    |
| 3  | 37.5GH                                           |        | 0       | 13092.8 |         | 2618.56 |         |   |   |   |   |    |
| 4  | P <sub>c</sub> or P <sub>n</sub>                 |        | 2631.2  | 2220.2  | 2220.2  | 2811.2  | 3498.2  |   |   |   |   |    |
| 5  | P <sub>r</sub>                                   |        | 3.91    | 4.80    | 4.79    | 5.66    | 5.64    |   |   |   |   |    |
| 6  | I                                                |        | 526     | 588     | 588     | 650     | 650     |   |   |   |   |    |
| 7  | T <sub>r</sub>                                   |        | 1.40    | 1.57    | 1.57    | 1.73    | 1.73    |   |   |   |   |    |
| 8  | Z                                                |        | .713    | .827    | .827    | .912    | .911    |   |   |   |   |    |
| 9  | P/Z P/Z                                          |        | 3690.3  | 3905.9  | 3995.0  | 4172.9  | 4169.3  |   |   |   |   |    |
| 10 | P/TZ                                             |        | 2.0158  | 6.6427  | 6.6242  | 6.4291  | 6.4143  |   |   |   |   |    |
| 11 | (P/TZ) <sup>2</sup> /1000                        |        | .049222 | .044126 | .042880 | .041234 | .041143 |   |   |   |   |    |
| 12 | L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup> |        | .014760 | .014760 | .014760 | .014760 | .014760 |   |   |   |   |    |
| 13 |                                                  |        | .064182 | .059086 | .058840 | .056294 | .056103 |   |   |   |   |    |
| 14 | I <sub>n</sub>                                   |        | 109.311 | 112.424 | 112.580 | 114.206 | 114.331 |   |   |   |   |    |
| 15 | M=P <sub>n</sub> -P <sub>n-1</sub>               |        |         | 599     | 590     | 590     | 577     |   |   |   |   |    |
| 16 | N=I <sub>n</sub> +I <sub>n-1</sub>               |        |         | 221.735 | 221.891 | 226.786 | 226.911 |   |   |   |   |    |
| 17 | M x N                                            |        |         |         | 150916  |         | 121928  |   |   |   |   |    |
| 18 | Σ(M x N)                                         |        |         |         | 130916  |         | 261844  |   |   |   |   |    |