

# 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-122E  
Adopted 9-1-65

COMPANY Continental Oil Co. LEASE Anderson Ranch WELL NO. 3 DATE 9/21/69

LOCATION: Unit A Section 11 Township 18-S Range 25-E

L 12,148 H 12,148 L/H 1.00 G .996 % CO<sub>2</sub> .61 % N<sub>2</sub> 1.39 % H<sub>2</sub>S 0

d 1.995 F<sub>r</sub> .01823 Q<sub>m</sub> .563 M<sup>2</sup>cfd (L/H) (F<sub>r</sub>Q<sub>m</sub>)<sup>2</sup> .0001054 P<sub>cr</sub> 661 T<sub>cr</sub> 472

TABLE IX & X

| LINE | ITEM                                              | SOURCE                          | 1        | 2       | 3      | 4       | 5     | 6      | 7      | 8      | 9     | 10 |
|------|---------------------------------------------------|---------------------------------|----------|---------|--------|---------|-------|--------|--------|--------|-------|----|
| 1    | H                                                 |                                 | 12,148   | 6074    |        |         |       |        |        |        |       |    |
| 2    | GH                                                |                                 | 12,099.4 | 6049.7  |        |         |       | 0      |        |        |       |    |
| 3    | 37.5GH                                            |                                 | 453,728  | 226,864 |        |         |       | 0      |        |        |       |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                  |                                 | 4161.2   | 3283.2  | 3264.5 | 3265.2  |       | 2369.2 | 2352.7 | 2306.2 |       |    |
| 5    | P <sub>r</sub>                                    |                                 | 6.29     | 4.97    | 4.94   | 4.94    |       | 3.53   | 3.48   | 3.49   |       |    |
| 6    | T                                                 |                                 | 6.42     | 580     | 580    | 580     |       | 520    | 520    | 520    |       |    |
| 7    | T <sub>r</sub>                                    |                                 | 1.36     | 1.23    | 1.23   | 1.23    |       | 1.10   | 1.10   | 1.10   |       |    |
| 8    | Z                                                 |                                 | .840     | .701    | .698   | .698    |       | .509   | .498   | .499   |       |    |
| 9    | P/Z                                               | 4÷8                             | 49538    | 4683.5  | 4676.9 | 4677.9  |       | 4654.6 | 4623.8 | 4621.2 |       |    |
| 10   | P/TZ                                              | 9÷6                             | 7.7403   | 8.0750  | 8.0636 | 8.0653  |       | 8.9511 | 8.8919 | 8.8869 |       |    |
| 11   | (P/TZ) <sup>2</sup> /1000 (10 <sup>2</sup> /1000) |                                 |          |         |        |         |       |        |        |        |       |    |
| 12   | L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup>  |                                 |          |         |        |         |       |        |        |        |       |    |
| 13   | I <sub>1</sub> + I <sub>2</sub>                   |                                 |          |         |        |         |       |        |        |        |       |    |
| 14   | I <sub>n</sub>                                    | I <sub>0</sub> ÷I <sub>3</sub>  | 129.2    | 123.8   | 124.0  | 124.0   |       | 111.7  | 112.5  | 112.5  |       |    |
| 15   | M=P <sub>n</sub> -P <sub>n-1</sub>                |                                 |          | 878.0   | 196.7  | 896.0   | 896.0 | 896.0  | 962.5  | 959.2  | 959.2 |    |
| 16   | N=I <sub>n</sub> +I <sub>n-1</sub>                |                                 |          | 253.0   | 253.2  | 253.2   |       | 235.7  | 236.5  | 236.5  |       |    |
| 17   | M x N                                             | I <sub>5</sub> x I <sub>6</sub> |          |         |        | 226,864 |       |        |        |        |       |    |
| 18   | Σ(M x N)                                          | ΣI <sub>7</sub>                 | 453,728  |         |        | 226,864 |       |        |        |        |       |    |