

# WORK SHEET FOR STEPWISE CALCULATION

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

Form C-1221  
Adopted 9-1-65

COMPANY MERIDIAN OIL LEASE Acres ST. 1 WELL NO. 1 DATE 11-29-88  
LOCATION: Unit 10351 Section 22 Township 17 S Range 29 E Rate 2

L 10351 H 10351 LH 1.0 G .669 % CO<sub>2</sub> .14 % N<sub>2</sub> 1.11 % H<sub>2</sub>S 0  
d 2.441 F<sub>r</sub> 0.010763 Q<sub>m</sub> 2.49 M<sub>2</sub> cld (L/H) (F<sub>r</sub> Q<sub>m</sub>)<sup>2</sup> .000065 P<sub>CT</sub> 668 T<sub>CT</sub> 321

TABLE 15 & 16

| LINE | ITEM                                              | SOURCE                          | 1        | 2        | 3        | 4        | 5        | 6 | 7 | 8                       | 9 | 10 |
|------|---------------------------------------------------|---------------------------------|----------|----------|----------|----------|----------|---|---|-------------------------|---|----|
| 1    | H                                                 |                                 | 0        | 5175     |          | 10350    |          |   |   |                         |   |    |
| 2    | GH                                                |                                 | 0        | 3462.08  |          | 6924.15  |          |   |   |                         |   |    |
| 3    | 37.SGH                                            |                                 | 0        | 129828   |          | 259658   |          |   |   |                         |   |    |
| 4    | P <sub>c</sub> or P <sub>n</sub>                  |                                 | 1950     | 2283.2   | 2283.3   | 2612.6   | 2612.6   |   |   | AP = 658.8              |   |    |
| 5    | P <sub>r</sub>                                    |                                 | 2.93     | 3.42     | 3.42     | 3.91     | 3.91     |   |   | P <sub>s</sub> = 2612.8 |   |    |
| 6    | T                                                 |                                 | 534      | 574.5    | 574.5    | 615      | 615      |   |   |                         |   |    |
| 7    | T <sub>r</sub>                                    |                                 | 1.42     | 1.52     | 1.52     | 1.63     | 1.63     |   |   |                         |   |    |
| 8    | Z                                                 |                                 | .723     | .785     | .785     | .839     | .839     |   |   |                         |   |    |
| 9    | P/Z                                               | 4÷8                             | 2201.4   | 2902.4   | 2902.5   | 3115.1   | 3115.1   |   |   |                         |   |    |
| 10   | P/TZ                                              | 9÷6                             | 5.0588   | 5.0607   | 5.0609   | 5.0653   | 5.0653   |   |   |                         |   |    |
| 11   | (P/TZ) <sup>2</sup> /1000 (10 <sup>2</sup> /1000) |                                 | 0.02557  | 0.02561  | 0.02564  | 0.02566  | 0.02566  |   |   |                         |   |    |
| 12   | L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup>  |                                 | 0.000065 | 0.000065 | 0.000065 | 0.000065 | 0.000065 |   |   |                         |   |    |
| 13   | I <sub>n</sub>                                    | I <sub>1</sub> + I <sub>2</sub> | 0.02567  | 0.02567  | 0.02567  | 0.02567  | 0.02567  |   |   |                         |   |    |
| 14   | I <sub>n</sub>                                    | I <sub>0</sub> + I <sub>3</sub> | 197.174  | 197.100  | 197.094  | 196.925  | 196.925  |   |   |                         |   |    |
| 15   | M=P <sub>n</sub> -P <sub>n-1</sub>                |                                 |          | 329      | 329      | 329      | 330      |   |   |                         |   |    |
| 16   | N=I <sub>n</sub> +I <sub>n-1</sub>                |                                 |          | 394.274  | 394.269  | 394.019  | 394.019  |   |   |                         |   |    |
| 17   | M x N                                             | I <sub>5</sub> x I <sub>6</sub> |          |          | 129826   |          | 129830   |   |   |                         |   |    |
| 18   | Σ (M x N)                                         | Σ I <sub>7</sub>                |          |          | 129826   |          | 259656   |   |   |                         |   |    |