

# WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES ( $P_c$ or $P_w$ )

Form C-122F  
Adopted 9-1-65

FROM KNOWN BOTTOM HOLE PRESSURE ( $P_f$  or  $P_s$ )

COMPANY Selec LEASE L SECTION 20 TOWNSHIP 05 S RANGE 08 E DATE 11-30-82  
 LOCATION: Unit L H 11,350 LH 1,000 G 610 %CO<sub>2</sub> 257 %N<sub>2</sub> 4,698 %H<sub>2</sub>S \_\_\_\_\_  
 GH 6924 P<sub>CT</sub> 6666 T<sub>CT</sub> 347

TABLE IX & X  
TABLE IX & X

| LINE | 1                                                    | 2       | 3 | 4 | 5 | 6 | 7 | 8 |
|------|------------------------------------------------------|---------|---|---|---|---|---|---|
| 1    | $T_w$ (W.H. °R)                                      | 534     |   |   |   |   |   |   |
| 2    | $T_s$ (B.H. °R)                                      | 647     |   |   |   |   |   |   |
| 3    | $T = \frac{T_w + T_s}{2}$                            | 590     |   |   |   |   |   |   |
| 4    | Z (Est.)                                             | 1.221   |   |   |   |   |   |   |
| 5    | TZ                                                   | 721.0   |   |   |   |   |   |   |
| 6    | GH/TZ                                                | 9.600   |   |   |   |   |   |   |
| 7    | $e^S$ (Table XIV)                                    | 1.433   |   |   |   |   |   |   |
| 8    | $P_f$ or $P_s$                                       | 7634.2  |   |   |   |   |   |   |
| 9    | $P_f^2$ or $P_s^2$                                   | 58281.1 |   |   |   |   |   |   |
| 10   | $P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$           | 40656.2 |   |   |   |   |   |   |
| 11   | $P_c$ or $P_w$                                       | 7005.2  |   |   |   |   |   |   |
| 12   | $P = \frac{P_w + P_s}{2}$ or $(\frac{P_c + P_f}{2})$ | 10.5    |   |   |   |   |   |   |
| 13   | $P_T = (P/P_{cr})$                                   | 10.52   |   |   |   |   |   |   |
| 14   | $T_T = (T/T_{cr})$                                   | 1.70    |   |   |   |   |   |   |
| 15   | Z (Table XI)                                         | 1.12    |   |   |   |   |   |   |