

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 EL PASO EXPL. CO. RELEASE EL PASO EXPL. CO. WELL NO. 1 DATE 50

LOCATION: Unit M1 Section 23 Township 26 Range 30

L 12284 H 12284 L/H 1.000 G .617 %CO₂ .28 %N₂ .91 %H₂S 0 GR.

STATIC BHP RE GH 7579.2 PC 671 TABLE IX & X TC 362 TABLE IX & X

	1	2	3	4	5	6	7	8
1 T_w (W.H. °R)	520	530	534					
2 T_s (B.H. °R)	660	660	660					
3 $T = (\frac{T_w + T_s}{2})$	597	597	597					
4 Z (Est.)	1.432	1.353	1.355					
5 TZ	854.9	807.7	808.9					
6 GH/TZ	8.866	9.383	9.369					
7 e^S (Table XIV)	1.394	1.422	1.421					
8 P_f or P_s	9822.2	9822.2	9822.2					
9 P_f^2 or P_s^2	96475.6	96475.6	96475.6					
10 $P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	69188.3	67858.2	67873.4					
11 P_c or P_w	8318.0	8237.6	8239.7					
12 $P = (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	9070.1	9029.9	9031.0					
13 $P_r = (P/P_{cr})$	13.50	13.44	13.04					
14 $T_r = (T/T_{cr})$	1.65	1.65	1.65					
15 Z (Table XI)	1.353	1.355	1.355					