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WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_w or P_s)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

Form C-1225
Adopted 9-1-65

COMPANY Oil Co. WELL NO. 1 DATE 5/22/79

LOCATION: Unit I Section 1 Township 10 Range 25

L 4452 H 4452 LN 1.000 G 1.693 %CO₂ 6.57 %N₂ 4.09 %H₂S

GH 3085 P_{cr} 669 T_{cr} 388

152 TABLE IX & X 202 3rd 4th

	1	2	3	4	5	6	7	8
1 $T_w (W.H. °R)$	534	534	534	534	534	534	534	534
2 $T_s (B.H. °R)$	578	578	578	578	578	578	578	578
3 $T = \frac{T_w + T_s}{2}$	556	556	556	556	556	556	556	556
4 Z (Est.)	1.835	1.842	1.842	1.851	1.851	1.860	1.862	1.870
5 TZ	464.3	468.2	468.2	473.2	473.2	478.2	479.3	483.7
6 GH/TZ	6.645	6.590	6.590	6.591	6.521	6.452	6.437	6.378
7 e^s (Table XIV)	1.283	1.280	1.280	1.277	1.277	1.274	1.273	1.270
P_f or P_s	986.2	986.2	933.2	933.2	869.2	869.2	809.2	809.2
9 P_f^2 or P_s^2	972.6	972.6	870.9	870.9	755.5	755.5	654.8	654.8
10 $P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	758.1	759.6	680.2	682.0	591.6	593.1	514.4	515.5
11 P_c or P_w	870.7	871.6	827.7	825.0	769.2	770.2	712.2	710.4
12 $P_c \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_f}{2} \right)$	928.4	928.9	879.0	879.5	819.2	819.7	763.2	763.6
13 $P_f = (P/P_{cr})$	1.39	1.39	1.31	1.31	1.22	1.23	1.14	1.14
14 $T_f = (T/T_{cr})$	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
15 Z (Table XI)	1.842	1.842	1.851	1.851	1.860	1.859	1.870	1.870