

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

Form C-122F
Adopted 9-1-65

COMPANY MARALO LEASE Hanson Fed WELL NO. 3 DATE 9-9-78

LOCATION: Unit _____ Section _____ Township _____ Range _____
L 9454 H 9454 LN 1.00 G 1.670 %CO₂ _____ %N₂ _____ %H₂S _____

GH 6334 P_{CT} 669 T_{CT} 382
TABLE IX & X TABLE IX & X

LINE		1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	534	534						
2	T _s (B.H. °R)	629	629						
3	T = $\frac{(T_w + T_s)}{2}$	582	582						
4	Z (Est.)	1.835	1.806						
5	TZ	485.6	468.7						
6	GH/TZ	13.195	13.514						
7	e ^s (Table XIV)	1.631	1.660						
8	P _f or P_s	3679.2	3679.2						
9	P _f ² or P _s ²	13,536.5	13,536.5						
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	8254.6	8154.8						
11	P _c or P_w	2880.9	2855.7						
12	P _c $\cdot$ $\left(\frac{P_w + P_s}{2}\right)$ or $\left(\frac{P_c + P_f}{2}\right)$	3280.1	3267.4						
13	P _f = (P/P _{CT})	4.50	4.88						
14	T _f = (T/T _{CT})	1.52	1.52						
15	Z (Table XI)	1.895	1.895						