

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_w or P_s)

FROM KNOWN BOTTOM HOLE PRESSURE (P_b or P_s)

Form C-122F
Adopted 9-1-65

COMPANY _____ LEASE _____ WELL NO. _____ DATE _____

LOCATION: Unit _____ Section _____ Township _____ Range _____

L. 10,530 H. 10,530 L/H 1.00 G. .653 % CO₂ _____ % N₂ _____ % H₂S _____

CH 6915 P_{cr} 670 T_{cr} 375
TABLE IX & X TABLE IX & X

NOTES NO. 1 NO. 2 NO. 3 NO. 4

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534	534	534	534	534	534	534
2	T_s (B.H. °R)	640	640	640	640	640	640	640
3	$T = \frac{T_w + T_s}{2}$	587	587	587	587	587	587	587
4	Z (Est.)	.894	.861	.876	.848	.840	.824	.820
5	TZ	534.5	505.4	514.2	497.8	493.1	483.7	481.3
6	GH/TZ	13.18	13.68	13.45	13.89	14.02	14.29	14.37
7	e^s (Table XIV)	1.639	1.670	1.656	1.684	1.692	1.709	1.714
8	P_b or P_s	4050.2	4050.2	3814.2	3814.2	3250.2	3250.2	2736.2
9	P_b or P_s^2	16404.1	16404.1	14548.1	14548.1	10563.8	10563.8	7486.8
10	$P_c^2 = P_b^2 / e^s$ or $P_w^2 = P_s^2 / e^s$	10008.1	9820.3	8786.1	8641.0	6343.4	6180.0	4348.5
11	P_c or P_w	3163.6	3133.7	2964.1	2936.6	2498.7	2486.0	2090.1
12	$P_c \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_b}{2} \right)$	3626.9	3541.9	3389.2	3326.9	2874.4	2868.1	2413.1
13	$P_r = (P/P_{cr})$	5.38	5.36	5.06	5.04	4.29	4.28	3.60
14	$T_r = (T/T_{cr})$	1.56	1.56	1.56	1.56	1.56	1.56	1.56
15	Z (Table XI)	.861	.860	.848	.848	.824	.824	.816