

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

COMPANY XXX LEASE XXXX WELL NO. 1 DATE 2-1-67

LOCATION: Unit 29 Section 29 Township 19 Range 28

L 0000 H 0000 L/H 0000 G 0000 % CO₂ 0.00 % N₂ 0.00 % H₂S 0.00

XX 51P GH 4411 P_{CT} 440 T_{CT} 295

LINE		1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$								
2	$T_s(B.H. \cdot R)$								
3	$T = \left(\frac{T_w + T_s}{2} \right)$	572.5	572.5						
4	Z (Est.)	1,810	1,788						
5	TZ	463.7	451.1						
6	GH/TZ	13,842	14,229						
7	e^s (Table XIV)	1.680	1.705						
8	$P_f \alpha R_g$	3347.2	3347.2						
9	P_f^2 or P_s^2	11270.8	11270.8						
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	6706.9	6610.5						
11	R_g or P_w	2589.8	2576.1						
12	$P_c \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_f}{2} \right)$	2973.5	2964.1						
13	$P_f = (P/P_{CT})$	443	442						
14	$T_f = (T/T_{CT})$	1.52	1.52						
15	Z (Table XI)	1,788	1,788						