

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY CORPAC, INC. LEASE BEATTY B WELL NO. 27 DATE 4-9-81

LOCATION: Unit G Section 15 Township 20 S Range 37 E

L 7051' H 7051' L/H 1.000 G .643 % CO₂ .40 % N₂ 2.57 % H₂S .0004

GH 4.534 P_{CT} 665 T_{CT} 364

TABLE IX & X

51BHP

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534	534					
2	T_s (B.H. °R)	605	605					
3	$T = \frac{T_w + T_s}{2}$	570	570					
4	Z (Est.)	.809	.816					
5	TZ	461	465					
6	GH/TZ	9.835	9.751					
7	e^S (Table XIV)	1.446	1.441					
8	P_f or P_s	2039.2	2039.2					
9	P_f^2 or P_s^2	4158.3	4158.3					
10	$P_c^2 = P_f^2 / e^S$ or $P_w^2 = P_s^2 / e^S$	2875.7	2885.7					
11	P_c or P_w	1695.8	1698.7					
12	$P = \frac{P_w + P_s}{2}$ or $\left(\frac{P_c + P_f}{2} \right)$	1867.5	1869.0					
13	$P_I = (P / P_{CT})$	2.81	2.81					
14	$T_I = (T / T_{CT})$	1.57	1.57					
15	Z (Table XI)	.816	.816					