

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

Form C-122F
Adopted 9-1-65

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY TXO Production Co. LEASE Yates Federal WELL NO. 1 DATE 6-12-34
LOCATION: Unit N Section 17 Township 20S Range 29E
L 11.59S H 11.59S LH 1.00 G .606 % CO₂ .781 % N₂ .311 % H₂S

GH 2027 P_{CT} 671 T_{CT} 358

TABLE IX & X

Sheet - 1-N

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534	534					
2	T_s (B.H. °R)	650	650					
3	$T = \frac{T_w + T_s}{2}$	592	592					
4	Z (Est.)	.821	.816					
5	TZ	486.0	477.2					
6	GH/TZ	14.46	14.73					
7	e^S (Table XIV)	1.72	1.74					
8	P_f or P_s	2780.2	2780.2					
9	P_f^2 or P_s^2	7729.5	7729.5					
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	4494.6	4449.5					
11	P_c or P_w	2120.0	2116.5					
12	$P = \frac{P_w + P_s}{2}$ or $\frac{P_c + P_f}{2}$	2450.1	2448					
13	$P_r = (P/P_{ct})$	3.65	3.64					
14	$T_r = (T/T_{ct})$	1.65	1.65					
15	Z (Table XI)	.816	.816					