

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 Conoco, Inc. LEASE State D WELL NO. 17 DATE 8-25-87

LOCATION: Unit 0 Section 15 Township 215 Range 36E

L 3573 H 3573 L/H 1.000 G 0.7045 % CO₂ 4.137 % N₂ 1.179 % H₂S 0.612

GH 2517 P_{CT} 684 T_{CT} 382

TABLE IX & X

4th Rate

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	532	532					
2	T_s (B.H. °R)	568	568					
3	$T = \frac{(T_w + T_s)}{2}$	550	550					
4	Z (Est.)	0.94	0.948					
5	TZ	517	521					
6	GH/TZ	4.868	4.831					
7	e^s (Table XIV)	1.200	1.199					
8	P_f or P_s	313.9	313.9					
9	P_f^2 or P_s^2	98.53	98.53					
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	82.11	82.18					
11	P_c or P_w	286.5	286.7					
12	$P = \frac{(P_w + P_s)}{2}$ or $\frac{(P_c + P_f)}{2}$	300.2	300.3					
13	$P_T = (P/P_{CT})$	0.44	0.44					
14	$T_T = (T/T_{CT})$	1.44	1.44					
15	Z (Table XI)	0.948	0.948					