

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_g)

COMPANY CONOCO LEASE 200 WELL NO. 11660 DATE 11-1-81
 LOCATION: Unit T Section 1 Township 11N Range 20E

L 11660 H 11660 L/H 1000 G 1.682 % CO₂ 1.2 % N₂ 2.05 % H₂S 0

GH 7952.12 P_{CT} 666 T_{CT} 379 * = CORRECT TO 20 200 116

(28 NR S.I.P. R.H.)

LINE	1	2	3	4	5	6	7	8
1	T _w (W.H. • R)	524	524					
2	T _s (B.H. • R)							
3	T = $\frac{T_w + T_s}{2}$	592.5	592.5					
4	Z (Est.)	.985	.936					
5	TZ	582.6	574.0					
6	GH/TZ	13.625	14.228					
7	e ^s (Table XIV)	1.666	1.712					
8	P _f or P_g	*5194.2	5194.2	*	*	5194.2		
9	P _f ² or P_g²	26966.7	26966.7					
10	P _c ² = P _f ² /e ^s or P _w ² = P _g ² /e ^s	15875.4	15436.4			15436.6		
11	P _c or P_w	3984.4	3921.4			3921.2		
12	P _c ($\frac{P_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	3984.4	3921.4			3921.2		
13	P _r = (P/P _{CT})	6.85	6.81			6.81		
14	T _r = (T/T _{CT})	1.56	1.56			1.56		
15	Z (Table XI)	1.026	.936			.934		