

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 WELLS B-1 WELL NO. 5 DATE 8-21-80
 LOCATION: Unit A Section 1 Township 253 Range 36E
 L 9,766' H 9,766' L/H 1.000 G .654 % CO₂ .66 % N₂ .98 % H₂S .11

GH 61387 P_{CT} 670 T_{CT} 376
 TABLE IX & X

3RD RATE 4TH RATE

LINE		1ST 1	2ND 2	3RD 3	4TH 4	5	6	7	8
1	T _w (W.H. °R)	534	534	534	534				
2	T _s (B.H. °R)	632	632	632	632				
3	T _r = $\frac{T_w + T_s}{2}$	583	583	583	583				
4	Z (Est.)	.796	.798	.804	.795				
5	TZ	464	465	469	463				
6	GH/TZ	13.765	13.735	13.618	13.795				
7	e ^S (Table XIV)	1.676	1.674	1.666	1.678				
8	P _f or P _s	3046.2	3046.2	2888.2	2888.2				
9	P _f ² or P _s ²	9279.3	9279.3	8341.7	8341.7				
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	5536.6	5543.2	5007.0	4971.2				
11	P _c or P _w	2353.0	2354.4	2237.6	2229.6				
12	P _r = $\frac{P_w + P_s}{2}$ or $\frac{P_c + P_f}{2}$	2677.6	2700.3	2562.9	2558.9				
13	P _r = (P/P _{CT})	4.03	4.03	3.83	3.82				
14	T _r = (T/T _{CT})	1.55	1.55	1.55	1.55				
15	Z (Table XI)	.798	.798	.795	.795				