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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

Form C-122F
Adopted 9-1-65

COMPANY CONOCO, INC. LEASE STATE E WELL NO. 10 DATE 5-9-80

LOCATION: Unit O Section 17 Township 22S Range 36E

L 12,390' H 12,390' L/H 1.000 G .747 % CO_2 1.90 % N_2 2.05 % H_2S .733

GH 9,255 P_{cr} 672 (TABLE IX & X) T_{cr} 396 (TABLE IX & X)

SIBHP

LINE		1ST 1	2ND 2	3	4	5	6	7	8
1	T_w(W.H. °R)	534	534						
2	T_s(B.H. °R)	658	658						
3	$T=(\frac{T_w + T_s}{2})$	596	596						
4	Z (Est.)	.824	.792						
5	TZ	491	472						
6	GH/TZ	18.849	19.608						
7	e^s(Table XIV)	2.028	2.086						
8	P_f or P_s	3515.2	3515.2						
9	P_f^2 or P_s^2	12356.6	12356.6						
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	6093.0	5923.6						
11	P_c or P_w	2468.4	(2433.8)						
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2991.8	2974.5						
13	$P_r = (P/P_{cr})$	4.45	4.43						
14	$T_r = (T/T_{cr})$	1.51	1.51						
15	Z (Table XI)	.792	.792						

One copy to be filed in District Office (Work copy acceptable)