

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 CONTINENTAL OIL LEASE STATE 19 WELL NO. 1 DATE 3-24-79

LOCATION: Unit 0 Section 19 Township 17S Range 29E

L 10,699' H 10,699' L/H 1.000 G .670 % CO₂ .29 % N₂ .86 % H₂S .01

GH 7108 P_{CT} 669 T_{CT} 382

TABLE IX & X

SIBHP

LINE		$\frac{1}{2}T$ 1	$\frac{2}{2}ND$ 2	3	4	5	6	7	8
1	T_w (W.H. °R)	530	530						
2	T_s (B.H. °R)	626	626						
3	$T = \left(\frac{T_w + T_s}{2} \right)$	578	578						
4	Z (Est.)	.785	.776						
5	TZ	454	449						
6	GH/TZ	15.66	15.83						
7	e^S (Table XIV)	1.799	1.811						
8	P_f or P_s	2809.2	2809.2						
9	P_f^2 or P_s^2	7891.6	7891.6						
10	$P_c^2 = P_f^2/es$ or $P_w^2 = P_s^2/es$	4386.7	4357.6						
11	P_c or P_w	2094.4	2087.5						
12	$P = \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_f}{2} \right)$	2451.8	2443.4						
13	$P_T = (P/P_{CT})$	3.66	3.66						
14	$T_T = (T/T_{CT})$	1.51	1.51						
15	Z (Table XI)	.776	.776						

