

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (For P_w)

Form C-122F
Adopted 9-1-65

FROM KNOWN BOTTOM HOLE PRESSURE (For P_s)

COMPANY DAKE L. HAMMON LEASE Feed 33 WELL NO. 1 DATE 9/28/83
LOCATION: Unit T Section 33 Township 20 S Range 26 E
L 9341 H 9341 G 631 % CO₂ 3.493 % N₂ 1.280 % H₂S

GH 5894 P_{CT} 679 T_{CT} 357

III

IV

II

RATE I

LINE	1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	534	534	534	534	534	534	534
2	T _s (B.H. °R)	627	627	627	627	627	627	627
3	T _r = $\frac{T_w + T_s}{2}$	581	581	581	581	581	581	581
4	Z (Est.)	.817	.818	.816	.819	.826	.830	.840
5	TZ	474.3	474.8	473.7	475.4	475.4	481.8	482.6
6	GH/TZ	12.43	12.41	12.44	12.39	12.29	12.23	12.09
7	e ^s (Table XIV)	1.554	1.593	1.595	1.592	1.586	1.582	1.573
8	P _r or P _s	2632.2	2632.2	2539.2	2539.2	2249.2	1905.2	1905.2
9	P _r ² or P _s ²	6928.5	6928.5	6447.5	6447.5	5058.9	3625.8	3625.8
10	P _C ² = P _r ² /e ^s or P _w ² = P _s ² /e ^s	4347.5	4350.0	4043.4	4050.3	3190.6	2294.3	2306.5
11	P _r or P _w	2085.1	2085.7	2010.8	2012.5	1782.7	1514.7	1518.8
12	P _r = $\frac{P_w + P_s}{2}$ or $\frac{P_c + P_f}{2}$	2358.6	2358.9	2275.0	2275.9	2017.7	1709.9	1712.0
13	P _r = (P/P _{CT})	3.47	3.47	3.35	3.35	2.97	2.52	2.52
14	T _r = (T/T _{CT})	1.63	1.63	1.63	1.63	1.63	1.63	1.63
15	Z (Table XI)	.818	.818	.819	.819	.826	.840	.840