

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

Form C-122F
Adopted 9-1-85

FROM KNOWN BOTTOM HOLE PRESSURE (P_b or P_s)

COMPANY TR LEASE 2000 WELL NO. 2000 DATE 10-1-90

LOCATION: Unit 1 Section 20 Township 20N Range 29E

L 1000 H 1000 L/H 1000 G 1000 % CO₂ 100 % N₂ 100 % H₂S 100

GH 112.0 P_{CT} 112.0 T_{CT} 112.0

FLUWING RWD CONNECTED TO SURFACE

LINE	1	2	3	4	5	6	7	8
1	T _w (W.H. °R)							513.2
2	T _s (B.H. °R)							650
3	T _r = $\frac{T_w + T_s}{2}$							581.5
4	Z (Est.)	0.550	0.812	0.852	0.855	0.867	0.868	0.880
5	TZ	503.2	510.3	504.3	512.0	513.2	513.8	520.9
6	GH/TZ	24.18"	13.991	14.155	13.942	13.910	13.894	13.705
7	e ^s (Table XIV)	1.002	1.689	1.700	1.686	1.684	1.683	1.67
8	P_w or P _s	1509.2	1509.2	1469.2	1469.2	1428.7	1428.2	1250.2
9	P_w or P _s ²	2277.7	2277.7	2085.5	2085.5	2009.8	2009.4	1563.0
10	P _c ² = P _w ² /e ^s or P _w ² = P _s ² /e ^s	1337.8	1347.8	1269.4	1279.6	1210.6	1208.2	934.8
11	P _w or P _w	1156.6	1161.0	1126.7	1131.2	1100.2	1098.4	966.8
12	P _r = $\frac{P_w + P_s}{2}$ or $\frac{P_c + P_f}{2}$	1332.9	1335.0	1297.9	1300.2	1244.2	1246.4	1108.5
13	P _r = (P/P _{CT})	1.98	1.98	1.93	1.93	1.88	1.88	1.65
14	T _r = (T/T _{CT})	1.63	1.63	1.63	1.63	1.63	1.63	1.63
15	Z (Table XI)		1.62	1.63	1.63	1.67	1.67	1.80