

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 MARLO INC. LEASE CARSON FEE. CO. WELL NO. #1 DATE 4-8-82

LOCATION: Unit N Section 3 Township 9-S Range 31-E

L 9896 H 9896 L/H 1.000 G .771 % CO₂ 8.10 % N₂ 1.84 % H₂S NIL

GH 7630 P_{cr} 697 T_{cr} 395

S.I.P. TABLE IX & X TABLE IX & X

INE	1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	534	534					
2	T _g (B.H. °R)	633	633					
3	T _e ($\frac{T_w + T_s}{2}$)	583.5	583.5					
4	Z (Est.)	.776	.763					
5	TZ	453	445					
6	GH/TZ	16.850	17.138					
7	e ^s (Table XIV)	1.8812	1.9015					
8	P _f or P _s	9407.7	9407.7					
9	P _f ² or P _s ²	3067.2	3067.2					
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	5000.9	4947.4					
11	P _c or P _w	2236.3	2224.3					
12	P _e ($\frac{P_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	2651.7	2645.7					
13	P _r = (P/P _{cr})	3.81	3.81					
14	T _r = (T/T _{cr})	1.48	1.48					
15	Z (Table XI)	.763	.763					