

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)

FORM C-122F

COMPANY PHILLIPS PETRO. CO. LEASE : G D U WELL NO. : 14 DATE 12 11 97
UNIT SECTION : TWNSHP : RANGE :
L 10966 H : 10966 L/H : 1 G/GMIX : 0.6990
CO2 : 2.63 N2 : 0.7 H2S :
GH : 7665.2 PCR : 674 TCR : 418

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	643.7	643.7	643.7	643.7	643.7	643.7	643.7	643.7
3	T=(Tw+Ts/2)	588.8	588.8	588.8	588.8	588.8	588.8	588.8	588.8
4	Z (EST.)	0.868	0.763	0.797	0.752	0.787	0.744	0.759	0.723
5	TZ	511	450	470	443	464	438	447	426
6	GH/TZ	14.998	17.051	16.324	17.313	16.536	17.499	17.148	17.996
7	eS(TABLE XIV)	1.755	1.895	1.844	1.914	1.859	1.927	1.902	1.964
8	Pf or Ps	3996.2	3996.2	3880.1	3880.1	3771.5	3771.5	3455.7	3455.7
9	Pf2 or Ps2	15969.6	15969.6	15055.2	15055.2	14224.2	14224.2	11941.9	11941.9
10	Pc2=Pf/eS or Pw2=Ps2/eS	9099.7	8425.5	8162.7	7865.4	7651.0	7379.8	6277.6	6081.1
11	Pc or Pw	3017	2903	2857	2805	2766	2717	2506	2466
12	P=(Pw+Ps/2)or(Pc+Pf/2)	3506	3449	3369	3342	3269	3244	2981	2961
13	Pr=(P/Pcr)	5.20	5.12	5.00	4.96	4.85	4.81	4.42	4.39
14	Tr(T/Tcr)	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
15	Z (TABLE XI)	0.763	0.759	0.752	0.750	0.744	0.742	0.723	0.722

PW 1 : 2902.7 PW 2 : 2804.5 PW 3 : 2716.6 PW 4 : 2466.0