

WORK SHEET FOR CALCULATION OF WELL AD PRESSURE (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

FORM C-122F

COMPANY PENNELL

LEASE : INDIAN DRAWELL NO. : 1 DATE 2/14/98

UNIT

32 SECTION : 22 TOWNSHIP : 27 RANGE :

L

11763 H : 11763 L/H : 11763 G/GMIX : 0.5850

CO2 : 1.055 N2 : 0.24 H2S :

6H : 6881.4 PCR : 675 TCR : 350

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)	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6
3	T=(Tw+Ts/2)	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8
4	Z (EST.)	0.919	0.846	0.855	0.845	0.853	0.844	0.852	0.843
5	TZ	545	501	507	501	506	500	505	500
6	6H/TZ	12.631	13.722	13.575	13.741	13.605	13.757	13.632	13.771
7	eS(TABLE XIV)	1.606	1.673	1.664	1.674	1.666	1.675	1.667	1.676
8	Pf or Ps	3197.6	3197.6	3165.9	3165.9	3112.3	3112.3	3060.2	3060.2
9	Pf2 or Ps2	10224.6	10224.6	10022.9	10022.9	9686.4	9686.4	9364.8	9364.8
10	Pc2=Pf/eS or Pw2=Ps2/eS	6367.1	6111.8	6024.4	5987.0	5815.6	5782.5	5616.8	5587.5

11	Pc or Pw	2523	2472	2454	2447	2412	2405	2370	2364
12	$P=(P_w+P_s/2)$ or $(P_c+P_f/2)$	2860	2835	2810	2806	2762	2758	2715	2712
13	$P_r=(P/P_{cr})$	4.24	4.20	4.16	4.16	4.09	4.09	4.02	4.02
14	$T_r(T/T_{cr})$	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
15	Z (TABLE XI)	0.846	0.845	0.845	0.845	0.844	0.844	0.843	0.843

PW 1 : 2472.2 PW 2 : 2446.8 PW 3 : 2404.7 PW 4 : 2363.8