

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

M C-122F

COMPANY UMC PETROLEUM LEASE : PARKWAY 2B WELL NO. : 2 DATE 8/27/97
UNIT SECTION : 28 TOWNSHIP : 19 RANGE : 29
L 11100 H : 11100 L/H : 1 G/B MIX : 0.6100
CO2 : 1.05 N2 : 0.24 H2S :
GH : 6771.0 PCR : 674 TCR : 358

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)	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0
3	T=(Tw+Ts/2)	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5
4	Z (EST.)	0.929	0.846	0.847	0.833	0.834	0.825	0.824	0.822
5	TZ	548	499	500	491	491	486	486	485
6	BH/TZ	12.365	13.578	13.553	13.794	13.780	13.924	13.936	13.969
7	eS(TABLE XIV)	1.590	1.664	1.662	1.677	1.677	1.686	1.686	1.688
8	Pf or Ps	3717.36	3717.36	3366.96	3366.96	3016.65	3016.65	2630.92	2630.92
9	Pf2 or Ps2	13818.8	13818.8	11336.4	11336.4	9100.2	9100.2	6921.7	6921.7
10	Pc2=Pf/eS or Pw2=Ps2/eS	8691.4	8304.8	6819.4	6758.0	5427.9	5398.6	4104.5	4099.4

11	Pc or Pw	2948	2882	2611	2600	2330	2323	2026	2025
12	P=(Pw+Ps/2) or (Pc+Pf/2)	3333	3300	2989	2983	2673	2670	2328	2328
13	Pr=(P/Pcr)	4.94	4.90	4.43	4.43	3.97	3.96	3.45	3.45
14	Tr(T/Tcr)	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
15	Z (TABLE XI)	0.846	0.844	0.833	0.832	0.825	0.825	0.822	0.822

PW 1 : 2881.8 PW 2 : 2599.6 PW 3 : 2323.5 PW 4 : 2024.7