

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

FORM C-122F

COMPANY MITCHELL ENERGY

LEASE : APACHE 24 WELL NO. : 1

DATE 5/22/96

UNIT

SECTION : 24

TWNSTP : 22

RANGE : 30

L 12556

H : 12556

L/H : ERR

G/GMIX : 0.6650

CD2 : 0.22

N2 : 0.79

H2S :

GH : 8349.7

PCR : 673

TCR : 374

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)	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
3	T=(Tw+Ts/2)	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8
4	Z (EST.)	1.216	1.069	1.113	1.046	1.055	0.993	1.018	0.960
5	TZ	726	638	664	624	629	592	608	573
6	GH/TZ	11.504	13.091	12.573	13.379	13.266	14.096	13.740	14.576
7	eS(TABLE XIV)	1.539	1.634	1.602	1.652	1.645	1.697	1.674	1.727
8	Pf or Ps	7080.9	7080.9	6865.43	6865.43	6241.4	6241.4	5841.98	5841.98
9	Pf2 or Ps2	50139.1	50139.1	47134.1	47134.1	38955.1	38955.1	34128.7	34128.7
10	Pc2=Pf/eS or Pw2=Ps2/eS	32570.2	30688.9	29415.4	28539.9	23687.5	22961.3	20386.8	19757.6

11	Pc or Pw	5707	5540	5424	5342	4867	4792	4515	4445
12	P=(Pw+Ps/2) or (Pc+Pf/2)	6394	6310	6145	6104	5554	5517	5179	5143
13	Pr=(P/Pcr)	9.50	9.38	9.13	9.07	8.25	8.20	7.69	7.64
14	Tr(T/Tcr)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
15	Z (TABLE XI)	1.069	1.061	1.046	1.042	0.993	0.989	0.960	0.957

PW 1 : 5539.8 PW 2 : 5342.3 PW 3 : 4791.8 PW 4 : 4445.0