

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

FORM C-122F

COMPANY MARATHON OIL

LEASE : FREEDMAN WELL NO. : ST. 1

DATE 2/1/99

UNIT

SECTION :

TWNSHP :

RANGE :

L

10704

H : 10704

L/H : 1

G/GMIX : 0.6280

CO2 : 0.627

N2 : 0.401

H2S :

GH : 6722.1

PCR : 674

TCR : 361

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)	641.0	641.0	641.0	641.0	641.0	641.0	641.0	641.0
3	T=(TW+Ts/2)	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5
4	Z (EST.)	0.934	0.847	ERR	ERR	ERR	ERR	ERR	ERR
5	TZ	549	498	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	12.246	13.501	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.583	1.659	ERR	ERR	ERR	ERR	ERR	ERR
8	Pf or Ps	3902.229	3902.229	0	0	0	0	0	0
9	Pf2 or Ps2	15227.4	15227.4	0.0	0.0	0.0	0.0	0.0	0.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	9620.3	9177.9	ERR	ERR	ERR	ERR	ERR	ERR
11	Pc or Pw	3102	3030	ERR	ERR	ERR	ERR	ERR	ERR
12	P=(Pw+Ps/2) or (Pc+Pf/2)	3502	3466	ERR	ERR	ERR	ERR	ERR	ERR
13	Pr=(P/Pcr)	5.20	5.14	ERR	ERR	ERR	ERR	ERR	ERR
14	Tr(T/Tcr)	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
15	Z (TABLE XI)	0.847	0.846	ERR	ERR	ERR	ERR	ERR	ERR

PC 1 : 3029.5 PW 2 : ERR PW 3 : ERR PW 4 : ERR