

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

FORM C-122F

COMPANY MARATHON OIL CO.

LEASE : WALKER

WELL NO. :

1

DATE 5/1/99

UNIT

SECTION :

33

TWNSHP :

18

RANGE : 28

L

10681

H : 10681

L/H :

1

G/GMIX : 0.6230

CO2 : 0.374

N2 :

0.296

H2S :

SH : 6654.3

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)	640.8	640.8	640.8	640.8	640.8	640.8	640.8	640.8
3	T=(TW+Ts/2)	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4
4	Z (EST.)	0.947	0.857	0.875	0.850	0.866	0.843	0.859	0.838
5	TZ	556	503	514	499	509	495	505	492
6	GH/TZ	11.967	13.226	12.940	13.327	13.086	13.443	13.183	13.518
7	eS(TABLE XIV)	1.566	1.642	1.625	1.648	1.633	1.656	1.639	1.660
8	Pf or Ps	4080.67	4080.67	3981.5	3981.5	3826	3826	3718.93	3718.93
9	Pf2 or Ps2	16651.9	16651.9	15852.3	15852.3	14638.3	14638.3	13830.4	13830.4
10	Pc2=Pf/eS or Pw2=Ps2/eS	10630.8	10140.7	9757.9	9617.1	8961.4	8842.0	8436.0	8330.7
11	Pc or Pw	3260	3184	3124	3101	2994	2974	2904	2886
12	P=(Pw+Ps/2)or(Pc+Pf/2)	3671	3633	3553	3541	3410	3400	3312	3303
13	Pr=(P/Pcr)	5.45	5.39	5.27	5.25	5.06	5.04	4.91	4.90
14	Tr(T/Tcr)	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
15	Z (TABLE XI)	0.857	0.854	0.850	0.849	0.843	0.842	0.838	0.838

PW 1 : 3184.4 PW 2 : 3101.2 PW 3 : 2973.6 PW 4 : 2886.3