

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

FORM C-122F

Mewbourne

COMPANY MEWBOURNE OIL CO.

LEASE : CARLSBAD WELL NO. : 1

DATE '3/26/98

UNIT

SECTION : 15

TOWNSHIP : 21

RANGE : 26

L

10768

H : 10768

L/H : 1

G/GMIX : 0.5940

CO2 : 0.975

N2 : 0.278

H2S :

GH : 6396.2

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)	641.7	641.7	641.7	641.7	641.7	641.7	641.7	641.7
3	T=(Tw+Ts/2)	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8
4	Z (EST.)	0.977	0.885	0.908	0.882	0.905	0.880	0.902	0.877
5	TZ	574	520	534	518	532	517	530	515
6	GH/TZ	11.136	12.290	11.982	12.337	12.022	12.370	12.069	12.410
7	eS(TABLE XIV)	1.518	1.585	1.567	1.588	1.570	1.590	1.572	1.593
8	Pf or Ps	4302.6	4302.6	4267.9	4267.9	4221.7	4221.7	4166.3	4166.3
9	Pf2 or Ps2	18512.4	18512.4	18215.0	18215.0	17822.8	17822.8	17358.1	17358.1
10	Pc2=Pf/eS or Pw2=Ps2/eS	12192.6	11676.2	11622.1	11468.6	11355.0	11207.6	11039.5	10899.2
11	Pc or Pw	3492	3417	3409	3387	3370	3348	3323	3301
12	P=(Pw+Ps/2)or(Pc+Pf/2)	3897	3860	3839	3827	3796	3785	3744	3734
13	Pr=(P/Pcr)	5.77	5.72	5.69	5.67	5.62	5.61	5.55	5.53
14	Tr(T/Tcr)	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
15	Z (TABLE XI)	0.885	0.883	0.882	0.881	0.880	0.879	0.877	0.876

PW 1 : 3417.0 PW 2 : 3386.5 PW 3 : 3347.8 PW 4 : 3301.4