

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

FORM C-122F

COMPANY CHEVRON USA

LEASE : ART ST C

WELL NO. : 3

DATE 11-26-90

UNIT

SECTION : 23

TOWNSHIP : 18 S

RANGE : 23 S

L

10313

H : 10313

L/H : 1

G/GMIX : 0.6840

CO2 : 0.25

N2 : 1.17

H2S : 0

GH : 7054.1

PCR : 668

TCR : 382

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)	637.1	637.1	637.1	637.1	637.1	637.1	637.1	637.1
3	T=(Tw+Ts/2)	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6
4	Z (EST.)	0.927	0.829	0.856	0.821	0.848	0.815	0.830	0.802
5	TZ	543	486	501	481	496	477	486	469
6	GH/TZ	12.992	14.524	14.067	14.666	14.210	14.787	14.506	15.027
7	eS(TABLE XIV)	1.628	1.724	1.695	1.733	1.704	1.741	1.723	1.757
8	Pf or Ps	4169	4169	4075	4075	3965	3965	3733	3733
9	Pf2 or Ps2	17380.6	17380.6	16605.6	16605.6	15721.2	15721.2	13935.3	13935.3
10	Pc2=Pf/eS or Pw2=Ps2/eS	10677.7	10081.5	9798.4	9580.8	9227.0	9029.4	8088.6	7932.2
11	Pw Pw	3268	3175	3130	3095	3038	3005	2844	2816
12	P=(Pw+Ps/2) or (Pc+Pf/2)	3718	3672	3603	3585	3501	3485	3289	3275
13	Pr=(P/Pcr)	5.57	5.50	5.39	5.37	5.24	5.22	4.92	4.90
14	Tr(T/Tcr)	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
15	Z (TABLE XI)	0.829	0.826	0.821	0.820	0.815	0.814	0.802	0.801

PW 1 : 3175.1 PW 2 : 3095.3 PW 3 : 3004.9 PW 4 : 2816.4