

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_b or P_d)

FORM C-122F

COMPANY NEWBORNE OIL

UNIT

L

9701

LEASE : AVALON

SECTION : 20

H : 9701

CO₂ : 0.476

GH : 6548.2

WELL NO. : 1

TWNSHP : 21

L/H : 1

N₂ : 1.049

PCR : 672

DATE 4/21/98

RANGE : 26

G/GMIX : 0.6750

H₂S :

TCR : 378

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Td(B.H. R)	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0

3	$T = (T_w + T_d / 2)$	582.5	582.5	582.5	582.5	582.5	582.5	582.5	582.5
4	Z (EST.)	0.837	0.775	0.778	0.775	0.776	0.776	0.775	0.778
5	TZ	488	452	453	451	452	452	451	453
6	GH/TZ	13.423	14.501	14.451	14.505	14.489	14.490	14.506	14.447
7	eS(TABLE XIV)	1.654	1.723	1.719	1.723	1.722	1.722	1.723	1.719
8	P_b or P_d	2723.64	2723.64	2624	2624	2496.99	2496.99	2345.53	2345.53
9	$P_b/2$ or $P_d/2$	7418.2	7418.2	6885.4	6885.4	6235.0	6235.0	5501.5	5501.5
10	$P_c/2 = P_b/eS$ or $P_w/2 = P_d/2/eS$	4484.3	4306.6	4004.8	3996.7	3621.4	3621.2	3193.3	3200.4
11	P_c or P_w	2118	2075	2001	1999	1903	1903	1787	1789
12	$P = (P_w + P_d/2) \alpha (P_c + P_b/2)$	2421	2399	2313	2312	2200	2200	2066	2067
13	$P_x = (P/P_c) \alpha$	3.60	3.57	3.44	3.44	3.27	3.27	3.07	3.08
14	$T_x(T/T_c) \alpha$	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
15	Z (TABLE XI)	0.775	0.775	0.775	0.775	0.776	0.776	0.778	0.778

PW 1 : 2075.2 PW 2 : 1999.2 PW 3 : 1902.9 PW 4 : 1789.0