

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

FORM C-122F

COMPANY PENWELL ENERGY LEASE : F.H. STATEWELL NO. : 1 DATE 3/17/97
UNIT C SECTION : 28 TOWNSHIP : 23 RANGE : 26
L 10040 H : 10040 L/H : 1 G/GMIX : 0.6430
CO2 : 0.4 N2 : 0.61 H2S :
GH : 6455.7 PCR : 673 TCR : 368

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)	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4
3	$T=(T_w+T_s/2)$	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2
4	Z (EST.)	0.858	0.805	0.800	0.807	0.801	0.809	0.804	0.812
5	TZ	501	470	467	471	468	473	470	475
6	GH/TZ	12.883	13.728	13.818	13.702	13.792	13.661	13.750	13.602
7	eS(TABLE XIV)	1.621	1.673	1.679	1.672	1.677	1.669	1.675	1.665
8	P_f or P_s	2131.2	2131.2	2098.8	2098.8	2030.1	2030.1	1942.1	1942.1
9	P_{f2} or P_{s2}	4542.0	4542.0	4405.0	4405.0	4121.3	4121.3	3771.8	3771.8
10	$P_{c2}=P_f/eS$ or $P_{w2}=P_{s2}/eS$	2801.7	2714.4	2623.7	2635.1	2457.1	2469.2	2252.2	2264.7
11	P_c or P_w	1674	1648	1620	1623	1568	1571	1501	1505
12	$P=(P_w+P_s/2)$ or $(P_c+P_f/2)$	1903	1889	1859	1861	1799	1801	1721	1724
13	$P_r=(P/P_{cr})$	2.83	2.81	2.76	2.77	2.67	2.68	2.56	2.56
14	$T_r=(T/T_{cr})$	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
15	Z (TABLE XI)	0.805	0.805	0.807	0.806	0.809	0.809	0.812	0.812

PW 1 : 1647.5 PW 2 : 1623.3 PW 3 : 1571.4 PW 4 : 1504.9