

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 MEWBOURNE OIL LEASE : ILL. CAMP SWELL NO. : 20 DATE 07-25-94
UNIT SECTION : 20 TOWNSHIP : 18 RANGE : 28
L 10386.5 H : 10386.5 L/H : 1 G/GMIX : 0.6680
CO₂ : 0.99 N₂ : 0.58 H₂S :
GH : 6938.2 PCR : 674 TCR : 377

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)	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9
3	$T = (T_w + T_s / 2)$	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9
4	Z (EST.)	0.859	0.813	0.801	0.814	0.804	0.817	0.805	0.818
5	TZ	503	476	469	477	471	479	471	479
6	GH/TZ	13.787	14.574	14.788	14.548	14.732	14.489	14.718	14.474
7	eS (TABLE XIV)	1.677	1.727	1.741	1.726	1.738	1.722	1.737	1.721
8	P_f or P_s	1680.24	1680.24	1671.66	1671.66	1620.18	1620.18	1607.79	1607.79
9	P_{f2} or P_{s2}	2823.2	2823.2	2794.4	2794.4	2625.0	2625.0	2585.0	2585.0
10	$P_{c2} = P_f / eS$ or $P_{w2} = P_{s2} / eS$	1683.5	1634.5	1604.9	1619.4	1510.8	1524.6	1488.5	1502.2
11	P_c or P_w	1297	1278	1267	1273	1229	1235	1220	1226
12	$P = (P_w + P_s / 2)$ or $(P_c + P_f / 2)$	1489	1479	1469	1472	1425	1427	1414	1417
13	$P_r = (P / P_{cr})$	2.21	2.19	2.18	2.18	2.11	2.12	2.10	2.10
14	$T_r (T / T_{cr})$	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
15	Z (TABLE XI)	0.813	0.813	0.814	0.814	0.817	0.817	0.818	0.818

P_w 1 : 1278.5 P_w 2 : 1272.6 P_w 3 : 1234.8 P_w 4 : 1225.7