

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
UNIT L
LEASE : ILL. CAMP SWELL NO. : 20
SECTION : 20 TWNSHP : 18
H : 10386.5 L/H : 1
CO₂ : 0.99 N₂ : 0.58
GH : 6938.2 PCR : 674

DATE 07-25-94
RANGE : 28
G/GMIX : 0.6680
H₂S :
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	$T = (Tw + Ts / 2)$	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9
4	Z (EST.)	0.858	0.812	ERR	ERR	ERR	ERR	ERR	ERR
5	TZ	503	476	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	13.795	14.583	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.678	1.728	ERR	ERR	ERR	ERR	ERR	ERR
8	P_f or P_s	1688.82	1688.82	0	0	0	0	0	0
9	P_{f2} or P_{s2}	2852.1	2852.1	0.0	0.0	0.0	0.0	0.0	0.0
10	$P_{c2} = P_f / eS$ or $P_{w2} = P_{s2} / eS$	1700.2	1650.7	ERR	ERR	ERR	ERR	ERR	ERR
11	P_c or P_w	1304	1285	ERR	ERR	ERR	ERR	ERR	ERR
12	$P = (P_w + P_s / 2)$ or $(P_c + P_f / 2)$	1496	1487	ERR	ERR	ERR	ERR	ERR	ERR
13	$Pr = P / P_{cr}$	2.22	2.21	ERR	ERR	ERR	ERR	ERR	ERR
14	$Tr(T/T_{cr})$	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
15	Z (TABLE XI)	0.812	0.813	ERR	ERR	ERR	ERR	ERR	ERR

~~PW~~ 1 : 1284.87 PW 2 : ERR PW 3 : ERR PW 4 : ERR

~~Pc~~