

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

FORM C-122F

COMPANY NADEL AND GUSSMAN PERMA LEASE : HULDA WELL NO. : 1 DATE 9/2/00
UNIT SECTION : TWSHP : RANGE :
L 11916 H : 11916 L/H : 1 G/GMIX : 0.6950
CO2 : 0.413 N2 : 0.836 H2S :
GH : 8281.6 PCR : 672 TCR : 384

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)	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2
3	T=(Tw+Ts/2)	593.6	593.6	593.6	593.6	593.6	593.6	593.6	593.6
4	Z (EST.)	1.088	0.955	0.979	0.920	0.957	0.902	0.876	0.834
5	TZ	646	567	581	546	568	535	520	495
6	GH/TZ	12.824	14.606	14.257	15.161	14.574	15.474	15.934	16.731
7	eS(TABLE XIV)	1.618	1.729	1.707	1.766	1.727	1.786	1.818	1.873
8	Pf or Ps	5833.4	5833.4	5462.3	5462.3	5232.8	5232.8	4294.3	4294.3
9	Pf2 or Ps2	34028.6	34028.6	29836.7	29836.7	27382.2	27382.2	18441.0	18441.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	21037.7	19677.4	17480.6	16898.3	15853.0	15327.3	10145.8	9846.8
11	Pc or Pw	4587	4436	4181	4111	3982	3915	3185	3138
12	P=(Pw+Ps/2)or(Pc+Pf/2)	5210	5135	4822	4787	4607	4574	3740	3716
13	Pr=(P/Pcr)	7.75	7.64	7.18	7.12	6.86	6.81	5.57	5.53
14	Tr(T/Tcr)	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
15	Z (TABLE XI)	0.955	0.948	0.920	0.917	0.902	0.899	0.834	0.832

PW 1 : 4435.9 PW 2 : 4110.8 PW 3 : 3915.0 PW 4 : 3138.0