

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 SANTA FE ENERGY

LEASE : HB 11 ST WELL NO. : 1 DATE 2/26/96

UNIT

SECTION : 11 TOWNSHIP : 24 RANGE : 29

L

13256 H : 13256 L/H : 1 G/GMIX : 0.5900

CO2 : 1.16 N2 : 0.21 H2S :

GH : 7821.0 PCR : 675 TCR : 350

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)	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
3	T=(Tw+Ts/2)	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
4	Z (EST.)	0.909	0.848	0.847	0.849	0.852	0.859	0.860	0.868
5	TZ	546	509	508	510	511	516	516	521
6	GH/TZ	14.326	15.371	15.383	15.344	15.294	15.171	15.154	15.005
7	eS(TABLE XIV)	1.711	1.780	1.780	1.778	1.775	1.766	1.765	1.755
8	Pf or Ps	2478.15	2478.15	2348.21	2348.21	1908.87	1908.87	1644.85	1644.95
9	Pf2 or Ps2	6141.2	6141.2	5514.1	5514.1	3643.8	3643.8	2705.5	2705.5
10	Pc2=Pf/eS or Pw2=Ps2/eS	3588.8	3450.9	3097.0	3101.6	2053.4	2062.9	1532.7	1541.3
11	Pc or Pw	1894	1858	1760	1761	1433	1436	1238	1241
12	P=(Pw+Ps/2) or (Pc+Pf/2)	2186	2168	2054	2055	1671	1673	1441	1443
13	Pr=(P/Pcr)	3.24	3.21	3.04	3.04	2.48	2.48	2.14	2.14
14	Tr(T/Tcr)	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
15	Z (TABLE XI)	0.848	0.848	0.849	0.849	0.859	0.859	0.868	0.868

PW 1 : 1857.6 PW 2 : 1761.1 PW 3 : 1436.3 PW 4 : 1241.5