

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

Form C-122F
Adopted 9-1-65

COMPANY BASS-FRANK ENTERPRISEASE HAT MESA WELL NO. # 1 DATE 02=11=80

LOCATION: Unit _____ Section _____ Township _____ Range _____
L 13,775 H 13,775 L/H 1.00 G .650 % CO₂ .494 % N₂ .814 % H₂S _____

GH 8954 P_{cr} 670 T_{cr} 375
TABLE IX & X TABLE IX & X

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. °R)$	534	534	534	534	534	534	534
2	$T_s(B.H. °R)$	672	672	672	672	672	672	672
3	$T = (\frac{T_w + T_s}{2})$	603	603	603	603	603	603	603
4	Z (Est.)	.850	.865	.827	.839	.836	.850	.862
5	TZ	512.6	521.6	498.7	505.9	504.1	512.6	519.8
6	GH/TZ	17.469	17.17	17.955	17.699	17.762	17.470	17.226
7	e^S (Table XIV)	1.925	1.904	1.961	1.942	1.947	1.925	1.908
3	or P_s	1497.2	1497.2	1979.2	1979.2	1762.2	1324.2	1324.2
9	or P_s^2	2241.6	2241.6	3917.2	3917.2	3105.3	1753.5	1753.5
10	$P_c^2 = P_{cr}^2 / e^S$ or $P_w^2 = P_s^2 / e^S$	1164.3	1177.6	1997.8	2017.2	1595.3	1612.9	919.1
11	or P_w	1079.0	1085.2	1413.4	1420.3	1263.0	1270.0	958.7
12	$P_c (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_s}{2})$	1288.1	1291.2	1696.3	1699.7	1512.6	1516.1	1141.4
13	$P_r = (P/P_{cr})$	1.92	1.93	2.53	2.54	2.26	2.26	1.70
14	$T_r = (T/T_{cr})$	1.61	1.61	1.61	1.61	1.61	1.61	1.61
15	Z (Table XI)	.865	.865	.839	.839	.850	.850	.877

DIVISION OF CONSERVATION

FEB 21 1980

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