

FEELGOOD (B.N)

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

Form C-132F
Adopted 9-1-65

COMPANY Great Western Drilling Lease Unit 1 WELL NO. 1-2-90 DATE 1-2-90

LOCATION: Unit H Section 23 Township 6.5 Range 25.5

* L 3767 H 3767 L/H 1.000 G 646 % CO₂ 0 % N₂ 4.90 % H₂S —

GH 2933.18 P_{GT} 643 T_{GT} 541
TABLE IN B. 1 TABLE IN B. 1

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534	534	534	534	534	534
2	$T_g(B.H. \cdot R)$	557	557	557	557	557	557	557
3	$T = \frac{T_w + T_g}{2}$	545.5	545.5	545.5	545.5	545.5	545.5	545.5
4	Z (Est.)	.905	.909	.919	.923	.931	.934	.941
5	TZ	493.6	540.0	501.3	503.4	507.8	510.4	512.0
6	GH/TZ	4.924	4.506	4.854	4.833	4.741	4.796	4.720
7	e^s (Table XIV)	.63	1.184	1.199	1.198	1.196	1.194	1.192
8	E_g or P_g	642.2	642.2	537.2	537.2	454.2	387.2	387.2
9	P_g^2 or P_g^2	414.4	414.4	288.6	288.6	210.9	149.9	149.9
10	$P_c^2 = P_g^2 / e^s$ or $P_w^2 = P_g^2 / e^s$	346.8	348.3	240.5	240.1	176.1	126.2	126.2
11	P_c or P_w	588.5	590.1	490.4	490.6	419.7	354.8	354.8
12	$P_c \cdot \frac{(P_w + P_g)}{2}$ or $\frac{(P_c + P_g)}{2}$	613.8	616.1	513.8	513.9	430.4	360.7	360.7
13	$P_t = (P/P_G)$	.92	.92	.977	.977	.966	.966	.955
14	$T_t = (T/T_G)$	1.51	1.51	1.51	1.51	1.51	1.51	1.51
15	Z (Table XI)	.909	.909	.923	.923	.934	.934	.944

* * = P_{WT}