

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_i or P_s)

Form C-122F
Adopted 9-1-65

FROM KNOWN BOTTOM HOLE PRESSURE (P_i or P_s)

COMPANY Dorchester LEASE Graham ST. WELL NO. 1 DATE 5-5-80

LOCATION: Unit 11/213 Section 11/213 Township 11/213 Range 11/213

L 11/213 H 11/213 LH 11/213 G 11/213 % CO₂ 1.79 % N₂ 1.286 % H₂S 1.286

GH 6504 P_{cr} 675 T_{cr} 346

TABLE IX B X TABLE IX A X

DATE I II

III

IV

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)	646	646	646	646	646	646	646
3	T _i = (T _w + T _s)	590	590	590	590	590	590	590
4	Z (Est.)	.856	.857	.856	.858	.855	.858	.856
5	TZ	508.04	505.6	505.0	506.2	504.1	506.2	505.0
6	GH/TZ	12.878	12.863	12.878	12.848	12.893	12.848	12.878
7	e ^s (Table XIV)	1.621	1.620	1.621	1.619	1.622	1.619	1.621
8	P _i or P _s	2740.2	2740.2	2695.2	2695.2	2638.2	2531.2	2531.2
9	P _i ² or P _s ²	7508.7	7508.7	7264.1	7264.1	6960.1	6406.9	6406.9
10	P _i ² = P _i ² /e ^s or P _w ² = P _s ² /e ^s	4632.7	4635.3	4481.7	4486.8	4291.8	3952.9	3959.6
11	P _c or P _w	2152.4	2153.0	2117.0	2118.2	2071.6	2073.4	1988.2
12	P _i = (P _w + P _s) or (P _c + P _i)	2446.3	2446.6	2446.1	2446.7	2354.9	2355.8	2260.5
13	P _i = (P/P _{cr})	3.62	3.62	3.56	3.57	3.49	3.49	3.35
14	T _i = (T/T _{cr})	1.71	1.71	1.71	1.71	1.71	1.71	1.71
15	Z (Table XI)	.857	.857	.858	.858	.858	.858	.859