

C-127D
Accepted 9-1-65

DATE 4-25-70

Range 2000% H₂S

TABLE IX D X

TABLE IX D Z

LINE	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
1 Q_m	1.438	1.438	1.902	1.902	2.274	2.274	2.622	2.622	2.622	2.622	2.622	2.622
T_w (W.H. °R)	534	534	534	534	534	534	534	534	534	534	534	534
3 T_s (B.H. °R)	639	639	639	639	639	639	639	639	639	639	639	639
4 $T = (\frac{1}{2}T_w + T_s)$	587	587	587	587	587	587	587	587	587	587	587	587
5 Z (Est.)	.921	.965	.855	.920	.870	.899	.855	.866	.866	.866	.866	.866
6 T2	540.2	566	524	545	510	527	501	508	508	508	508	508
7 GH/TZ	14.394	13.737	14.845	14.254	15.237	14.746	15.505	15.301	15.301	15.301	15.301	15.301
8 e^s (Table XIV)	1.716	1.674	1.745	1.707	1.771	1.738	1.789	1.775	1.775	1.775	1.775	1.775
9 $1-e^s$ (Table XIV)	.417	.403	.427	.414	.435	.425	.441	.437	.437	.437	.437	.437
10 P_1	4078.2	4078.2	3625.2	3625.2	3195.2	3195.2	2625.2	2625.2	2625.2	2625.2	2625.2	2625.2
11 $P_1 2/1090$	1663.7	1663.7	1314.1	1314.1	1020.3	1020.3	689.1.7	689.1.7	689.1.7	689.1.7	689.1.7	689.1.7
12 F_1 (Table XV)	.010763	.010763	.010763	.010763	.010763	.010763	.010763	.010763	.010763	.010763	.010763	.010763
$F_c = F_1 T2$	5.81	6.09	5.64	5.89	5.99	5.67	5.90	5.47	5.47	5.47	5.47	5.47
14 $F_c Q_m$	8.360	8.760	10.222	11.166	12.489	12.905	14.151	14.333	14.333	14.333	14.333	14.333
15 $L/H (F_c Q_m)^2$	63.894	76.732	114.955	124.678	155.963	165.534	200.262	205.469	205.469	205.469	205.469	205.469
16 $F_w = L/H (F_c Q_m)^2 (1-e^s)$	29.154	30.892	47.674	51.624	67.886	70.737	98.296	99.731	99.731	99.731	99.731	99.731
17 $P_w^2 = P_1^2 + F_w$	16660.9	16662.6	13191.1	12193.7	10277.2	10280.0	6380.0	6381.4	6381.4	6381.4	6381.4	6381.4
18 $P_s^2 = e^s P_w^2$	28583.4	2791.5	23017.0	22517.2	18198.3	17371.0	12484.3	12395.0	12395.0	12395.0	12395.0	12395.0
19 P_s	5346.3	5281.2	4797.6	4745.2	4266.0	4227.4	3533.3	3520.7	3520.7	3520.7	3520.7	3520.7
20 $P = (\frac{1}{2}P_1 + P_s)$	4712.3	4679.7	4211.4	4185.2	3730.6	3711.3	3079.3	3072.9	3072.9	3072.9	3072.9	3072.9
21 $P_r = (P/P_{cr})$	7.01	6.96	6.27	6.23	5.55	5.52	4.58	4.57	4.57	4.57	4.57	4.57
22 $T_r = (T/T_{cr})$	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
23 Z (Table XI)	.965	.963	.930	.929	.899	.898	.866	.866	.866	.866	.866	.866