WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Adopted 9-1-65

COMPANY [illegible] LEASE [illegible] WELL NO. [illegible] DATE [illegible]

LOCATION: Unit [illegible] Section [illegible] Township [illegible]-S Range [illegible]

[illegible] % H_2S [illegible]

[illegible] P_t [illegible] GH [illegible] P_{cr} 744 (TABLE IX & X) T_{cr} [illegible] (TABLE IX & X)

LINE	[illegible]	[illegible]								
1 [illegible]		[illegible]								
2 [illegible]	[illegible]	528								
3 [illegible]	[illegible]	592								
4 [illegible]	[illegible]	56.3								
5 [illegible]	[illegible]	[illegible]								
6 [illegible]	[illegible]	331.472								
7 [illegible]	[illegible]	[illegible]								
8 e^S (Table XIV)	1.7958	1.4306								
9 $1-e^{-S}$ (Table XIV)		0.3246								
10 P_t	327.2	263.2								
11 $P_t^2/1000$	5176.5	69.29								
12 F_t (Table XV)	0.55723	0.39245								
13 $F_g = F_t FZ$		7.510								
14 $F_c Q_m$		0.49								
15 $L/H (F_c Q_m)^2$		0.24								
16 $F_w = L/H (F_c Q_m)^2 (1-e^{-S})$		0.08								
17 $P_w^2 = P_t^2 + F_w$		69.35								
18 $P_s^2 = e^S P_w^2$	9039.2	102.68								
19 P_s	3006.2	320.4								
20 $P = (\frac{P_t + P_s}{2})$	2640.7	291.8								
21 $P_r = (P/P_{cr})$	3.549	0.392								
22 $T_r = (T/T_{cr})$	1.347	1.357								
23 Z (Table XI)	0.6696	0.944								