WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

Form C-122D
Adopted 9-1-65

COMPANY Dinero Operating Co. LEASE Eidson WELL NO. 1 DATE 7-17-80

LOCATION: Unit H Section 20 Township 16 Range 35

L _____ H 12640 L/H 1.00 G .689 % CO_2 _____ % N_2 _____ % H_2S _____

d _____ F_r .018231 GH 8709 P_{cr} 669 (TABLE IX & X) T_{cr} 388 (TABLE IX & X)

LINE										
1 Q_m	.2753	.2758								
2 T_w (W.H. °R)	560	560								
3 T_s (B.H. °R)	656°	656°								
4 $T = (\frac{T_w + T_s}{2})$	608	608								
5 Z (Est.)	.942	.942								
6 TZ	572.7	591.0								
7 GH/TZ .689x12640	15.21	15.21								
8 e^s (Table XIV)	1.769	1.769								
9 $1-e^{-s}$ (Table XIV)	.8295	.8295								
10 P_t	363.2	363.2								
11 $P_t^2/1000$	131.9	131.9								
12 F_r (Table XV)	.018231	.018231								
13 $F_c = F_r$ TZ	10.44	10.77								
14 $F_c Q_m$	2.874	2.970								
15 $L/H (F_c Q_m)^2$	8.260	8.821								
16 $F_w = L/H (F_c Q_m)^2 (1-e^{-s})$	6.852	7.317								
17 $P_w^2 = P_t^2 + F_w$	131.92	131.92								
18 $P_s^2 = e^s P_w^2$	233.37	233.37								
19 P_s	15.28	15.28								
20 $P = (\frac{P_t + P_s}{2})$	189.24	189.24								
21 $P_r = (P/P_{cr})$	.282	.283								
22 $T_r = (T/T_{cr})$	1.57	1.57								
23 Z (Table XI)	.972	.972								