

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_g & P_w)

Form C-122-E
Adopted 9-1-65

COMPANY Morris Contracting LEASE Marche No. 1 WELL NO. 1 DATE 11/23/66
LOCATION: Unit 6 Section 24 Township 20 Range 27
L 11191 H 11191 L/H 1000 G 588 % CO₂ % N₂ % H₂S
d 2.441 F_r 0.127 Q_m 5.633 M²cfd (L/H) (F_rQ_m)² 0.03676 P_{CT} 672 T_{CT} 354
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5595.5		11101						
2	GH		0	3992.2		6580.3						
3	37.5GH		0	123381		246762						
4	P _c or P _n		21500	2575.1	2508.9	2866.7	2866.7					
5	P _r		3.20	3.74	3.73	4.27	4.26					
6	T		534	590	590	646	646					
7	T _r		1.51	1.67	1.67	1.82	1.82					
8	Z		.773	.856	.856	.891	.891					
9	P/Z P/Z	4÷8	2781.6	2938.2	2931.0	3212.4	3210.7					
10	P/TZ	9÷6	5.2090	4.9800	4.9672	4.9800	4.9701					
11	(P/TZ) ² /1000 (10) ² /1000		0.27134	0.24800	0.24679	0.21805	0.24702					
12	L/H(F _r Q _m) ²		0.02676	0.03696	0.03696	0.03626	0.03626					
13		I ₁ + I ₂	0.30810	0.28476	0.28355	0.22481	0.224378					
14	I _n	I ₀ ÷ I ₃	169.068	174883	175.202	174.869	175.137					
15	M = P _n - P _{n-1}			365	359	358	352					
16	N = I _n + I _{n-1}			342.951	344.270	350.071	350.339					
17	M x N	I ₅ x I ₆			123.593		123.319					
18	Σ (M x N)	Σ I ₇			123.169							