

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

COMPANY MARSH LEASE MARSH WELL NO. 1 DATE 8-27-76

LOCATION: Unit N Section 24 Township 20 Range 27

RECEIVED FEB 11 1977
D. C. C. AREA, OFFICE
H 11207 L/H 1.000 G 5.89 % CO₂ 0.00878 % N₂ 0 % H₂S 3.50
d 1.995 F_i 0.0823 Q_m 5.191 M_{2nd} (L/H) (F_i Q_m)² 0.00878 P_{cr} 672 T_{cr} 350
TABLE IX & X TABLE IX & X

LINE NO.	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	11207		5604						
2	GH		0	6601		3300						
3	37.5GH		0	247538		123750						
4	P _c or P _n		3223.2	3770.0	3758.6	4285.0	4270.7					
5	P _f		4.81	5.61	5.59	6.38	6.36					
6	T		534	589	589	639	639					
7	T _r		1.53	1.68	1.68	1.83	1.83					
8	Z		1.802	.900	.900	.961	.962					
9	P/Z P/Z		4082.9	4188.9	4176.2	4458.9	4439.4					
10	P/TZ		9.66	7.112	7.090	6.978	6.947					
11	(P/TZ) ² /1000 (10) ² /1000		.05642	.05058	.05027	.04849	.04827					
12	L/H(F _i Q _m) ²		.00878	.00878	.00878	.00878	.00878					
13			.06590	.05926	.05905	.05747	.05705					
14	I _n		114.823	119.913	120.061	121.415	121.779					
15	M=P _n -P _{n-1}			538.8	527.4	526.0	512.1					
16	N=I _n +I _{n-1}			239.646	239.915	241.476	241.840					
17	M x N											
18	Σ (M x N)											

PS = P_f + ΔP = 4269.1