

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 LAATO, INC. LEASE LAATTA COR. WELL NO. 1 DATE 5-27-76

LOCATION: Unit E Section 13 Township 18 S Range 26 E

L 9021 H 9021 I/H 1.00 G 1.450 % CO₂ 1.72 % N₂ 1.398 % H₂S 0.00

d 1.00 F₁ 1.00 F₂ 1.00 M₂ 1.00 (L/H) (F₁Q_m)² 0.00186 P_c 660 T₀₁ 7.74

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H			4615.5		5021						
2	GH			297.1		5070.15			LP = 12(2261.1)			
3	37.SGH			110.37		22012.1			245,752.1 (241.365) + 236.762			
4	P _c or P _n			18514.2	1876.2	2102.2	2106.2		AP = 426.1			
5	P _f			2.47	2.030	2.900	3.14					
6	T			54.8	55.3	60.3	61.8		P _c = 1650.2 + 426.1			
7	T _f			1.47	1.07	1.07	1.66					
8	Z			1.79	1.07	1.16	1.846					
	P/2 P/2	4=8	2118.4	2203.8	2209.2	2404.8	2420.6					
10	P/TZ	9=6	2.8657	2.8096	2.9434	4.0209	4.0285					
11	(P/TZ)/2/1000 (10/2/1000)		.014944	.007048	.007717	.016168	.016229					
12	L/H(F ₁ Q _m) ²		.000786	.000186	.000786	.000786	.000786					
13		I ₁ + I ₂	.016234	.016234	.016234	.016954	.017015					
14	I _n	I ₀ + I ₃	244.792	244.604	244.345	237.165	236.762					
15	M = P _n - P _{n-1}		22.4	22.6	22.6	23.0	23.0					
16	N = I _n + I _{n-1}		480.237	451.114	470.54	478.12						
17	M x N	15 x I ₆		1100.01		1099.65						
18	Σ (M x N)	Σ 17		1100.01		2200.58						