

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

COMPANY Gulf Oil, Explor, & Prod. Lease Loving Federal Com. Well No. 1 DATE 3-2-83

LOCATION: Unit F Section 4 Township 23s Range 28e

L 11386 H 11386 L/H 1.000 G .5775 % CO₂ .575 % N₂ .785 % H₂S

d 1.995 F_r .01823 Q_m 0 M²-cfd (L/H) (F_rQ_m)² 0 P_{cr} 672 T_{cr} 350

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11386	5693		0						
2	GH		6575.4	3287.7		0						
3	37.5GH		246,578	123,289		0						
4	P _c or P _n		5078.0	4607.6	4529.5	4107.5	4170.1	4071.8		Pw-4073.9		
5	P _r		7.56	6.86	6.83	6.11	6.06	6.06				
6	T		648	591	591	534	534	534				
7	T _r		1.85	1.69	1.69	1.53	1.53	1.53				
8	Z		1.027	.958	.956	.868	.866	.866				
9	P/Z P/Z	4-8	4944.5	4809.6	4803.9	4732.2	4699.9	4701.9				
10	P/TZ	9-8	7.6304	8.1381	8.1283	8.8618	8.8013	8.8050				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I _n	I ₁ + I ₂										
14	M = P _n - P _{n-1}	I ₀ + I ₃	131.055	122.879	123.028	112.844	113.619	113.571				
15	N = I _n + I _{n-1}			470	486	485	522	521				
16	M x N			253.934	254.082	235.871	236.647	236.599				
17	Σ (M x N)	I ₅ x I ₆			123361			123192				
18		Σ I ₇			123217							