

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
(SURFACE)

PRODUCER PRESSURE
(P_c & P_w)

1 ST

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

COMPANY Gulf Oil, Explor. & Lease Prod. 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 $F_r \cdot 018231$ 0 M²cfd (L/H) ($F_r Q_m$)² 0 P_{CT} 672 T_{CT} 350

TABLE 12 & 13

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		246578.	123289.		0						
4	P_c or P_n		5380.7	4891.8	4876.2	4372.7	4335.0	4226.1		Pw=4338.4		
5	P_r		8.01	7.28	7.26	6.51	6.45	6.45				
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		1.047	.979	.978	.893	.889	.889				
9	P/Z P/Z		5139.2	4996.7	4985.9	4896.7	4876.3	4877.5				
10	P/TZ		7.9308	8.4547	8.4363	9.1698	9.1317	9.1339				
11	$(P/TZ)^2/1000$											
12	L/H($F_r Q_m$) ²											
13	$\bar{I}_1 + \bar{I}_2$											
14	$\bar{I}_n$		126.091	118.278	118.536	109.054	109.508	109.483				
15	$M = P_n - P_{n-1}$			489	505	503	541	540				
16	$N = I_n + I_{n-1}$			244.368	244.626	227.589	228.044	228.018				
17	$M \times N$				123419			123145				
18	$\Sigma (M \times N)$				123159							