

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) 2nd

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

COMPANY Gulf Oil Corp. LEASE Lentini Federal Com WELL NO. #1 DATE 6/19/81
LOCATION: Unit K Section 9 Township 23 S Range 28 E
12240 H 12240 L/H 1.000 G .5787 % CO₂ 1.007 % N₂ .288 % H₂S
d 1.995 F_r .0182 m 1.460 M²cid (L/H) (F_rQ_m)² .000708 P_{cr} 672 T_{cr} 350

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	$\bar{P}_n$		0	6120		12240						
2	GH		0	3541.6		7083.3						
3	37.5GH		0	132812		265623						
4	P_c or P_n		3668.2	4221.5	4200.2	4730.0	4695.2		Ps = 4691.2			
5	P_r		5.46	6.28	6.25	7.04	6.99					
6	T		534	595	595	656	656					
7	T_r		1.53	1.70	1.70	1.87	1.87					
8	Z		.833	.931	.930	1.006	1.004					
9	P/Z or P_r/Z		4403.6	4534.4	4516.3	4701.8	4676.5					
10	P/TZ		8.2464	7.6208	7.5905	7.1674	7.1288					
11	$(P/TZ)^2/1000$ (10 ² /1000)		.068004	.058077	.057615	.051371	.050819					
12	$L/H(F_rQ_m)^2$		.000708	.000708	.000708	.000708	.000708					
13			.068712	.058785	.058323	.052079	.051527					
14	I_n		120.015	129.639	130.145	137.625	138.350					
15	$M=P_n \cdot P_n^{-1}$			553	532	530	495					
16	$N=I_n + I_n^{-1}$			249.653	250.160	267.771	268.495					
17	$M \times N$				133081		132900					
18	$\Sigma (M \times N)$				132542							