

WORK SHEET FOR STEPWISE CALCULATION

(SURFACE) PRESSURE (P_c & P_w)

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

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_i 018231 Q_m 0 M²cfd (L/H) (F_iQ_m)² 0 P_{cf} 672 T_{cf} 350

TABLE 12 B 2

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		5258.6	4777.1	4761.5	4265.6	4228.0	4229.1		P _w =4231.3		
5	P _r		7.83	7.11	7.09	6.35	6.29	6.29				
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		1.039	.970	.969	.883	.879	.879				
9	P/Z P/Z	4÷8	5061.2	4924.9	4913.9	4830.8	4809.9	4811.2				
10	P/TZ	9÷6	7.8105	8.3331	8.3145	9.0464	9.0074	9.0098				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _i Q _m) ²											
13	I ₁ + I ₂											
14	I _n	I ₀ ÷I ₃	128.033	120.004	120.272	110.541	111.020	110.990				
15	M=P _n -P _{n-1}			481	497	496	534	532				
16	N=I _n +I _{n-1}			248.037	248.305	230.812	231.292	231.262				
17	M x N	I ₅ x I ₆			123422			123140				
18	Σ(M x N)	Σ I ₇			123155							