

WORK SHEET FOR STEPWISE CALCULATION
(SURFACE) PRESSURE (P_c & P_w) 4th

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

COMPANY GULF OIL CORP. LEASE FEDERAL COM - 4 WELL NO. # 1 DATE 05-14-80

LOCATION: Unit K Section 4 Township 19S Range 32E
12521 H 12521 L/H 1.000 G mix .715 % CO₂ .442 % N₂ .524 % H₂S
 d 1.995 F_r .01823 M²cd (L/H) (F_rQ_m)² 0 P_{cr} 668 T_{cr} 398

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12521	6260.5		0						
2	GH		8952.5	4476.3		0						
3	37.5GH		335719	167859		0						
4	P _c or P _n		4512.5	3909.4	3889.6	3268.3	3221.1	3223.5		P _w =	3226.1	
5	P _r		6.76	5.85	5.82	4.89	4.82	4.83				
6	T		659	596.5	596.5	534	534	534				
7	T _i		1.66	1.50	1.50	1.34	1.34	1.34				
8	Z		.953	.854	.852	.735	.730	.731				
9	P/Z P/Z	4/8	4735.0	4577.8	4565.2	4446.7	4412.4	4409.8				
10	P/TZ	9/6	7.1852	7.6745	7.6534	8.3272	8.2629	8.2580				
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ ÷ I ₃	139.175	130.301	130.661	120.088	121.023	121.094				
15	M = P _n - P _{n-1}		603	623	621	669	666					
16	N = I _n + I _{n-1}		269.476	269.836	250.749	251.684	251.755					
17	M x N	I ₅ x I ₆	168083				167683					
18	Σ (M x N)	Σ I ₇	167636									