

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

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

L 12521 H 12521 L/H 1.000 G mix .715 % CO₂ .442 % N₂ .524 % H₂S
d 1.995 F_r .018231 M₂cid (L/H) (F_rQ_m)² P_{cr} 668 T_{cr} 398
TABLE IX & X TABLE IX & X

NE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6260.5		12521						
2	GH		0	4476.3		8952.5						
3	37.5GH		0	167859		335719						
4	P _c or P _n		3763.2	4531.5	4505.6	5246.2	5202.1		Ps= 5198.1			
5	P _r		5.63	6.78	6.74	7.85	7.79					
6	T		534	596.5	596.5	659	659					
7	T _r		1.34	1.50	1.50	1.66	1.66					
8	Z		.785	.908	.905	1.009	1.005					
9	P/Z P/Z	4/8	4793.9	4990.7	4978.6	5199.4	5176.2					
10	P/TZ	9/6	8.9773	8.3666	8.3463	7.8898	7.8546					
11	(P/TZ) ² /1000	(10) ² /1000	.080592	.070000	.069660	.062250	.061695					
12	L/H(F _r Q _m) ²		.001590	.001590	.001590	.001590	.001590					
13		I ₁ + I ₂	.082182	.071590	.071250	.063840	.063285					
14	I _n	I ₀ ÷ I ₃	109.237	116.868	117.141	123.588	124.114					
15	M = P _n - P _{n-1}			768	742	741	696					
16	N = I _n + I _{n-1}			226.105	226.378	240.729	241.255					
17	M x N	I ₅ x I ₆			168061		168024					
18	Σ (M x N)	Σ I ₇			167658							