

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s) 1st
(SURFACE) (P₂ & P₃)

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 1.038 M₂ cld (L/H) (F_r Q_m)² .000358 P_{cr} 668 T_{cr} 398
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6260.5		12521						
2	G _H		0	4476.3		8952.5						
3	37.5G _H		0	167859		335719						
4	P _c or P _n		4008.2	4785.4	4758.5	5506.9	5461.1		Ps=	5456.7		
5	P _r		6.00	7.16	7.12	8.24	8.18					
6	T		534	596.5	596.5	659	659					
7	T _r		1.34	1.50	1.50	1.66	1.66					
8	Z		.814	.933	.930	1.030	1.027					
9	P/2 P/Z	4/8	4924.1	5129.0	5116.6	5346.5	5317.5					
10	P/1/2	9/6	9.2211	8.5985	8.5778	8.1130	8.0691					
11	(P/T/2) ² /1000	(10) 2/1000	.085029	.073935	.073578	.065821	.065110					
12	L/H(F _r Q _m) ²		.000358	.000358	.000358	.000358	.000358					
13		I ₁ + I ₂	.085387	.074293	.073936	.066179	.065468					
14	I _n	I ₀ ÷ I ₃	107.992	115.738	116.016	122.592	123.252					
15	M = P _n - P _{n-1}			777	750	748	703					
16	N = I _n + I _{n-1}			223.730	224.008	238.608	239.268					
17	M x N	15 x 16			168068		168115					
18	Σ (M x N)	Σ 17			167651							