

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) PRESSURE (P_f & P_s)** 4 th Form C-122-E
Adopted 9-1-65

COMPANY SOUTHERN UNION EXP. LEASE IEA L WELL NO. # 1 DATE 11-29-78

LOCATION: Unit G Section 14 Township 15 Range 34

L 12600 H 12600 L/H 1.000 G mix .895 % CO₂ .59 % N₂ .43 % H₂S

d 1.995 F₀₁₈₂₃₁ Q_m 1.407 M₂ c/d (L/H) (F₀Q_m)² .000658 P_{cr} 662 T_{cr} 457
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6300	12600							
2	G/H		0	5638.5	11277							
3	37.5GH		0	211444	422388							
4	P _c or P _n		2223.2	3076.7	3046.1	3864.4	3814.1		P _s =	3807.1		
5	P _f		3.36	4.65	4.60	5.84	5.26					
6	T		534	597	597	660	660					
7	T _f		1.17	1.31	1.31	1.44	1.44					
8	Z		.521	.694	.691	.835	.831					
9	P/Z or P/Z	4/8	4267.2	4433.3	4408.3	4628.0	4589.8					
10	P/TZ	9/6	7.9910	7.4260	7.3841	7.0121	6.9542					
11	(P/TZ) ² /1000	(10) ² /1000	.063856	.051146	.054525	.049169	.048361					
12	L/H(F ₀ Q _m) ²		.000658	.000658	.000658	.000658	.000658					
13		I ₁ + I ₂	.064514	.055803	.055183	.049827	.049019					
14	I _n	I ₀ + I ₃	123.865	.33.074	133.812	140.728	141.868					
15	M=P _n -P _{n-1}			854	823	818	768					
16	N=I _n +I _{n-1}			256.939	257.677	274.540	275.680					
17	M x N	15 x 16			212051		211713					
18	Σ (M x N)	Σ I ₇			210837							