

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_g & P_w)

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

3rd

COMPANY SOUTHERN UNION EXP. LEASE LFA 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 .895 % CO₂ .59 % N₂ .43 % H₂S
d 1.995 F_r .018230_m .979 M²cfd (L/H) (F_rQ_m)² .000319 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	GH		0	5638.5	11277							
3	37.5GH		0	211444	422888							
4	P _c or P _n		2663.2	3570.0	3539.2	4411.0	4352.9		P _s =	4352.4		
5	P _i		4.02	5.39	5.35	6.66	6.58					
6	T		534	597	597	660	660					
7	T _i		1.17	1.31	1.31	1.44	1.44					
8	Z		.584	.750	.747	.889	.883					
9	P/Z P/Z	4/8	4560.3	4760.0	4737.8	4961.7	4935.3					
10	P/TZ	9/6	8.5398	7.9732	7.9361	7.5177	7.4778					
11	(P/TZ) ² /1000	(10) ² /100	.072929	.063572	.062982	.056517	.055917					
12	L/H(F _r Q _m) ²		.000319	.000319	.000319	.000319	.000319					
13		I ₁ + I ₂	.073248	.063891	.063301	.056836	.056236					
14	I _n	I ₀ + I ₃	116.588	124.794	125.372	132.272	132.971					
15	M=P _n -P _{n-1}			907	876	872	819					
16	N=I _n +I _{n-1}			241.382	241.960	257.644	258.343					
17	M x N	I ₅ x I ₆			211950		211511					
18	Σ (M x N)	Σ I ₇			210938							