

WORK SHEET FOR STEPWISE CALCULATION
(SURFACE) PRESSURE (P_c & P_w) 3 rd

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

COMPANY SOUTHERN UNION EXP. LEASE LEA 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 Gm³/x .895 % CO₂ .59 % N₂ .43 % H₂S

d 1.995 F_i .01823 Q_m 0 M² c/d (L/H) (F_i Q_m)² 0 P_{cr} 662 T_{cr} 457

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12600	6300		0						
2	GH		11277	5638.5		0						
3	37.5GH		422838	211444		0						
4	P _c or P _n		4352.4	3561.9	3536.9	2723.8	2665.1	2668.5		P _w =	2670.9	
5	P _i		6.57	5.38	5.34	4.11	4.03	4.03				
6	T		660	597	597	534	534	534				
7	T _r		1.44	1.31	1.31	1.17	1.17	1.17				
8	Z		.882	.749	.746	.593	.585	.585				
9	P/Z, P/Z	4.8	4934.7	4755.6	4741.2	4593.3	4555.7	4561.6				
10	P/TZ	9.6	7.4768	7.9658	7.9416	8.6016	8.5313	8.5423				
11	(P/TZ) ² /1000	(10 ² /1000)										
12	L/H(F _i Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	133.747	125.536	125.919	116.257	117.215	117.064				
15	M = P _n - P _{n-1}			790	815	813	872	868				
16	N = I _n + I _{n-1}			259.283	259.666	242.176	243.134	242.321				
17	M x N	I ₅ x I ₆			211756			210.426				
18	Σ (M x N)	Σ I ₇			211132							