

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

1 st

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 G mix .895 % CO₂ .59 % N₂ .43 % H₂S

d 1.995 F_r 0.18231Q_m 0 M²cid (L/H) (F_rQ_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		422888	211444		0						
4	P _c or P _n		5470.6	4598.7	4575.2	3681.3	3624.8	3626.9		P _w =	3629.9	
5	P _r		8.26	6.95	6.91	5.56	5.48	5.48				
6	T		660	597	597	534	534	534				
7	T ₁		1.44	1.31	1.31	1.17	1.17	1.17				
8	Z		1.005	.885	.882	.739	.731	.731				
9	P/Z P/Z	4.8	5443.4	5196.2	5187.3	4981.4	4958.6	4961.5				
10	P/TZ	9.6	8.2476	8.7039	8.6889	9.3285	9.2858	9.2912				
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	121.248	114.891	115.089	107.199	107.691	107.629				
15	M = P _n - P _{n-1}			872	895	894	950	948				
16	N = I _n + I _{n-1}			236.139	236.337	222/238	222.780	222.718				
17	M x N	I ₅ x I ₆			211621			211208				
18	Σ (M x N)	Σ I ₇			211267							