

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

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

4 th

COMPANY SOUTHERN UNION EXP. LEASE IFA 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 .01823 Q_m 0 M² cfd (L/H) (F_r 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	G/H		11277	5638.5		0						
3	37.5G/H		422888	211444		0						
4	P _c or P _n		3807.1	3072.4	3048.0	2292.6	2233.7	2237.2		P _w =	2241.0	
5	P _r		5.75	4.64	4.60	3.46	3.37	3.38				
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		.830	.693	.691	.531	.522	.523				
9	P/Z, P/Z		4586.9	4433.4	4411.0	4317.6	4279.1	4277.6				
10	P/TZ		6.9498	7.4261	7.3886	8.0853	8.0133	8.0105				
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	143.889	134.659	135.343	123.681	124.792	124.837				
15	M = P _n - P _{n-1}			735	759	755	814	811				
16	N = I _n + I _{n-1}			278.548	279.232	259.024	260.135	260.180				
17	M x N	I ₅ x I ₆			211963			210961				
18	Σ (M x N)	Σ I ₇			210925							