

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

2 nd

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

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 Gmix .895 % CO₂ .59 % N₂ .43 % H₂S
d 1.995 F_i 0.182310 M₂ cfd 0 (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		422888	211444		0						
4	P _c or P _n		4904.9	4070.8	4046.8	3190.7	3132.8	3133.5		P _w	3137.4	
5	P _r		7.41	6.15	6.11	4.82	4.73	4.73				
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		.942	.816	.813	.664	.653	.653				
9	P/2 P/Z	$\bar{q}=8$	5206.9	4988.8	4977.7	4805.2	4797.5	4798.6				
10	P/TZ	$\bar{q}=6$	7.8892	8.3564	8.3378	8.9985	8.9841	8.9861				
11	(P/TZ) ² /1000	($\bar{q}$) ² /1000										
12	L/H(F _i Q _m) ²											
13		$\bar{I}_1 + \bar{I}_2$										
14	I _n	$\bar{I}_0 + \bar{I}_3$	126.755	119.669	119.936	111.130	111.308	111.283				
15	M=P _n -P _{n-1}			834	858	856	914	913				
16	N=I _n +I _{n-1}			246.424	246.691	231.066	231.244	231.219				
17	M x N	15 x 16			211673			211192				
18	Σ (M x N)	Σ 17			211215							