

COMPANY SOUTHERN UNION LEASE STATE 17 WELL NO. # 1 DATE 04-13-80

LOCATION: Unit Section Township Range

L 13125 H 13125 L/H 1.000 G mix .731 % CO₂ 3.543 % N₂ 3.285 % H₂S
d 1.995 F_r .018231 .907 M² cfd (L/H) (F_r Q_m)² .000273 P_{cr} 675 T_{cr} 387
TABLE IX B X TABLE IX B X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6562.5		13125						
2	GH		0	4797.2		9594.4						
3	37.5GH		0	179894		359789						
4	P _s or P _n		2603.2	3223.5	3210.2	3815.4	3793.5		Ps = 3790.6			
5	P _i		3.86	4.78	4.76	5.66	5.62					
6	T		534	599.5	599.5	665	665					
7	T _r		1.38	1.55	1.55	1.72	1.72					
8	Z		.711	.819	.818	.902	.901					
9	P/Z P/Z	$\frac{4}{9} = .8$	3661.3	3935.9	3924.5	4229.9	4210.4					
10	P/TZ	$\frac{9}{6} = 1.5$	6.8564	6.5653	6.5462	6.3609	6.3314					
11	(P/TZ) ² /1000	$(10)^2/1000 = .1$	.047010	.043103	.042853	.040461	.040086					
12	L/(H(F _r Q _m) ²)		.000273	.000273	.000273	.000273	.000273					
13		$\frac{11}{12} = .9167$	.047283	.043376	.043126	.040734	.040359					
14	I _n	$\frac{10}{13} = .7692$	145.007	151.358	151.793	156.159	156.876					
15	M = P _n - P _{n-1}			620	607	605	583					
16	N = I _n + I _{n-1}			296.365	296.800	307.952	308.670					
17	M x N	$15 \times 16 = 240$		180158								
18	$\Sigma (M \times N)$	$\Sigma 17$			179631							