

COMPANY Cities Service Co. LEASE Government "A.M." Com WELL NO. 1 DATE 12/16/82

LOCATION: Unit 10,678 Section 33 Township 18S Range 27E

L 10,678 H 10,678 LH G 6374 %CO₂ .523 %N₂ 3.959 %H₂S

GH 6806 P_{cr} 665 T_{cr} 360
 TABLE 12.1
 T₁ 5.7 T₂ 7.2 T₃ 7.2

LINE	1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	505	505	505	512	517		
2	T _s (E.H. °R)	650	650	650	650	650		
3	T ₁ ($\frac{T_w + T_s}{2}$)	577.5	577.5	577.5	581	583.5		
4	Z (Est.)	.838	.878	.817	.833	.902		
5	TZ	493.95	507.05	471.82	483.97	526.0		
6	GH/TZ	14.06373	13.42287	14.42567	14.06217	12.93802		
7	e ^s (Table XIV)	1.6945	1.65426	1.71762	1.6944	1.62416		
8	P _f or P _s	3213.2	3213.2	2163.2	1488.2	627.7		
9	P _f ² or P _s ²	10325	10325	46794	2214.7	393.4		
10	P _c ² - P _f ² /e ^s or P _w ² - P _s ² /e ^s	6093	6241	27244	1367.1	242.2		
11	P _r or P _w	4414.2	4414.2	3142.2	2270.2	1199.2		
12	P _r ($\frac{F_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	3813.7	3813.7	2652.7	1879.7	913.2		
13	P _r = (P/P _{cr})	5.73	5.73	3.98	2.83	1.37		
14	T _r = (T/T _{cr})	1.60	1.60	1.60	1.61	1.62		
15	Z (Table XI)							