

COMPANY Valley Petroleum Corp LEASE Spring # 1 DATE 8/8/80
 LOCATION: Unit H Section 26 Township 4S Range 24E

L 3562 H 3562 LH 1.000 G .686 % CO₂ 3.8% % N₂ 7.66 % H₂S 0
 d 2.441 F₁ .010463 GH 2443 P₀₁ 672 T₀₁ 356

LINE	1 st rate	2 nd rate	3 rd rate	4 th rate
1 Q _m	.037	.049	.062	.092
2 T _w (W.H. OR)	522	522	522	522
3 I _s (B.H. OR)	556	556	556	556
4 T = (LW ² /15)	539	539	539	539
5 Z (Est.)	852	.883	.891	.934
6 T ₂	(770.5)	475.94	480.25	503.43
7 GH/TZ	5.133	5.133	5.081	4.853
8 e ^s (Table XIV)	1.212	1.212	1.210	1.200
9 1-e ^s (Table XIV)	.175	.175	.174	.167
10 P ₁	798.2	798.2	736.2	433.2
11 P ₁ ² /1000	637.1	637.1	542.0	187.7
12 F ₁ (Table XV)	.010463	.010463	.010463	.010463
13 F ₀ = F ₁ T ₂	5.123	5.123	5.169	5.418
14 F ₀ Q _m	.251	.251	.320	.498
15 L/H (F ₀ Q _m) ²	.063	.063	.103	.248
16 F _w = L/H (F ₀ Q _m) ² (1-e ^s)	.011	.011	.018	.041
17 P _w ² = P ₁ ² + F _w	637.1	637.1	542.0	187.7
18 F _s ² = e ^s P _w ²	772.2	772.2	655.8	225.2
19 F _s	848.5	848.5	809.8	474.6
20 P = (P ₁ + F _s)	858.6	858.6	773.0	453.9
21 P ₁ = (P/P ₁)	1.22	1.22	1.15	.68
22 T _F = (T/T ₀)	.87	.87	1.51	1.51
23 Z (Table XI)	.833	.833	.891	.934