

COMPANY Yates Petroleum Corp. LEASE Williamson Le. Fed WELL NO. #2 DATE 11/25/81

LOCATION: Unit P Section 9 Township 8S Range 25E

L 3925 H 3925 LH 1.000 G 6.657 % CO₂ 0.14 % N₂ 9.96 % H₂S 0

d 1.995 F_i .01823 GH 2579 P_{ci} 653 T_{ci} 347
 1st Gate 2nd Gate 3rd Gate 4th Gate 5th Gate 6th Gate 7th Gate 8th Gate 9th Gate 10th Gate

LINE	Triol #1	Triol #2	Triol #1	Triol #2	Triol #1	Triol #2	Triol #1	Triol #2	Triol #1	Triol #2
1 Q _m	.506	.412	.412	.333	.333	.234	.234	.234	.234	.234
2 T _w (W.H. °R)	.529	.529	.529	.529	.529	.529	.529	.529	.529	.529
3 T _s (B.H. °R)	.536	.536	.536	.536	.536	.536	.536	.536	.536	.536
4 T = (LW ² / 16)	.542.5	.542.5	.542.5	.542.5	.542.5	.542.5	.542.5	.542.5	.542.5	.542.5
5 (E _{su})	.929	.914	.909	.895	.895	.895	.895	.895	.895	.895
6 T ₂	.503.4	.503.98	.495.85	.493.13	.491.94	.489.17	.481.74	.474.65		
7 Q _{CHT}	.55.1228	.55.1172	.55.2012	.55.2238	.55.3591	.55.2929	.55.3533	.55.3636		
8 e ₃ Table XIV	1.212	1.212	1.215	1.211	1.222	1.220	1.226	1.223		
9 1-e ₃ (Table XIV)	.195	.195	.190	.178	.182	.165	.185	.182		
10 F _i	.513.2	.513.2	.671.2	.671.2	.751.2	.751.2	.848.2	.848.2		
11 F _i + 100	.263.4	.263.4	.450.5	.450.5	.564.3	.564.3	.719.44	.719.44		
12 F _i Table XV	.01823	.01823	.01823	.01823	.01823	.01823	.01823	.01823		
13 F _i = F _i T ₂	9.17410	9.18410	9.0393	8.1846	8.9281	8.8811	8.7521	8.7622		
14 F _i Q _m	4.6436	4.6436	3.9242	3.9038	2.9244	2.9594	2.0552	2.0501		
15 L/H (F _i Q _m) ²	21.513	21.6122	13.8699	13.7903	8.5624	8.9463	4.2231	4.2040		
16 F _w = L/H (F _i Q _m) ² (1-e ⁻⁹)	3.4735	3.922	2.4549	2.4418	1.5526	1.5943	0.7636	.7651		
17 F _w = F _i Q _m + F _w	261.11	264.12	453.0	452.34	565.9	565.9	720.21	720.21		
18 F _w = e ⁹ F _w Q _m ²	322.91	322.92	553.35	551.23	691.48	690.37	880.10	880.51		
19 F _w	569.05	569.06	941.86	942.45	831.55	830.96	738.14	738.02		
20 F _w = (F _i T ₂ / 2)	541.12	541.13	706.53	706.92	791.33	791.04	893.17	893.36		
21 F _w = (F _i / P _{ci})	.83	.83	1.08	1.08	1.21	1.21	1.37	1.37		
22 T ₂ = (T ₁ / T _{ci})	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56		
23 Z (Table XI)	.929	.929	.909	.909	.895	.895	.895	.895		