

COMPANY Gulf Oil Exploration Lease White City Gas Com WELL NO. 1 DATE 7-23-82
LOCATION: Unit K Section 20 Township 24S Range 26E

L 10,319 H 10,319 LH 100 G 584 % CO₂ _____ % N₂ _____ % H₂S _____
d 1.995 F 1018231 GH 6026 Pcr 672 Tcr 350
RATE I RATE II RATE III

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1 Q _m	1229	229	333	333	495	495	713	713															
2 T _w (W.H. °R)	534	534	534	534	534	534	534	534															
3 T _s (B.H. °R)	637	637	637	637	637	637	637	637															
4 T = ($\frac{T_w + T_s}{2}$)	586	586	586	586	586	586	586	586															
5 Z (Est.)	889	881	891	882	894	885	894	894															
6 TZ	520.9	516.3	522.1	516.8	523.9	518.6	529.2	523.9															
7 GH/TZ	11.57	11.67	11.54	11.66	11.50	11.62	11.38	11.50															
8 e ^s (Table XIV)	1.543	1.549	1.542	1.548	1.539	1.546	1.533	1.539															
9 1-e ^s (Table XIV)	.352	.354	.351	.354	.350	.353	.348	.350															
10 P ₁	1417.2	1417.2	1379.2	1379.2	1332.2	1332.2	1178.2	1178.2															
11 P ₁ ² /1000	2008.5	2008.5	1902.2	1902.2	1774.8	1774.8	1388.2	1388.2															
12 F ₁ (Table XV)	1018231	1018231	1018231	1018231	1018231	1018231	1018231	1018231															
13 F ₂ = F ₁ TZ	9.492	9.412	9.519	9.423	9.551	9.455	9.647	9.551															
14 F ₃ = Q _m	2.175	2.155	3.170	3.138	4.728	4.680	6.878	6.810															
15 L/H (F ₂ Q _m) ²	4.730	4.646	10.048	9.846	22.351	21.903	47.312	46.374															
16 F _w = L/H (F ₂ Q _m) ² (1-e ^s)	1.665	1.647	3.530	3.487	7.831	7.737	16.444	16.248															
17 P _w ² = P ₁ ² + F _w	2010.1	2010.1	1905.7	1905.7	1782.6	1782.5	1404.6	1404.4															
18 P _s ² = e ^s P _w ²	3101.7	3111.4	2937.8	2950.7	2741.0	2755.9	2152.9	2161.8															
19 P _s	1761.2	1764.6	1713.9	1717.8	1656.5	1660.1	1467.3	1470.3															
20 P = ($\frac{P_1 + P_s}{2}$)	1589.2	1590.9	1546.6	1548.5	1494.3	1496.1	1322.7	1324.3															
21 P ₁ - P (Table X)	236	236	230	230	222	223	197	197															
22 T _r = (T/T _c)	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67															
23 Z (Table XI)	.881	.881	.882	.882	.885	.885	.894	.894															