

Standard Oil Company

COMPANY of Texas LEASE: Pogue Plate Unit Gas Com. WELL NO. 6 DATE 6-14-66

LOCATION: Unit G Section 8 Township 22S Range 23E
 L 7037 H 7037 I/H 1.000 G .657 % CO₂ .56 % N₂ .96 % H₂S .37
 $d = 1.995$ $F_f = .018231$ $Q_m = 5.546$ $M^2_{std} (I/H) (F_f Q_m)^2 = .010223$ $P_{cr} = 673$ $T_{cr} = 371$
 TABLE 1 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3518.5	7037				$\Delta P = 3 (37.5 \text{ GH})$			
2	GH		0	2311.66	4623.31				$T_f + \frac{I_1 + I_2}{2}$			
3	37.5GH		0	86,687	173,374				$= 3 (173,374)$			
4	$P_c \text{ or } P_n$		2169.2	2494.2	2819.2	2821.2			$133,406 + 532,364 + 132,260$			
5	P_f		3.22	3.71	4.19	4.19			$= 520,122$			
6	I		530	561	592	592			798.030			
7	T_f		1.42	1.51	1.60	1.60						
8	Z		.718	.776	.822	.822						
9	$P/Z \text{ or } P/Z$		3022.9	3212.5	3429.7	3432.1			$= 651.8$			
10	P/TZ		5.7035	5.7294	5.7934	5.7975						
11	$(P/TZ)^2/1000$		.032530	.032826	.033563	.033611			$P_s = P_c + \Delta P$			
12	$L/H(F_f Q_m)^2$		.010223	.010223	.010223	.010223						
13			.042753	.043049	.043786	.043834			$= 2169.2 + 651.8$			
14	I_n		133.406	133.091	132.310	132.260						
15	$M(P_n - P_{n-1})$		325	325	327				$= 2821.0$			
16	$N(I_n + I_{n-1})$		266.697	265.401	265.352							
17	$M \times N$		86,687	86,687	86,687							
18	$\Sigma (M \times N)$		86,687	86,687	173,374							