

Standard Oil Company

COMPANY of Texas LEASE Bogle Flats Unit Gas Com. WELL NO. 6 DATE 6-14-66

LOCATION: Unit G Section 8 Township 22S Range 23E  
 L 7037 H 7037 L/H 1.000 G .657 % CO<sub>2</sub> .05 % H<sub>2</sub>S .37  
 d Fr Q<sub>m</sub> 0 M<sup>2</sup>cf/d (L/H) (F<sub>r</sub>Q<sub>m</sub>)<sup>2</sup> 0 P<sub>cr</sub> 673 T<sub>cr</sub> 371

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7037	3518.5		0			Delta P = 3 (37.5 GH)			
2	GH		4623.31	2311.66		0			I <sub>s</sub> + 4 I <sub>1</sub> + I <sub>2</sub>			
3	37.5GH		173,374	86,687		0			= 3 (173,374)			
4	P <sub>c</sub> or P <sub>n</sub>		2821.0	2570.0	2568.0	2315.0	2308.0		172,488 + 678,968 + 164,650			
5	P <sub>r</sub>		4.19	3.82	3.82	3.44	3.43		= 520,122			
6	T		592	561	561	530	530					
7	T <sub>r</sub>		1.60	1.51	1.51	1.42	1.42			1,016,106		
8	Z		.822	.777	.777	.717	.717					
9	P/2 P/Z		3432.1	3306.3	3305.0	3226.9	3219.0		= 511.9			
10	P/TZ		9.6	5.8936	5.8913	6.0886	6.0735					
11	(P/TZ) <sup>2</sup> /1000	(10) <sup>2</sup> /1000							P <sub>v</sub> =			
12	L/H(F <sub>r</sub> Q <sub>m</sub> ) <sup>2</sup>								P <sub>s</sub> - Delta P			
13		I <sub>1</sub> + I <sub>2</sub>										
14	I <sub>n</sub>	I <sub>0</sub> + I <sub>3</sub>	172,488	169,676	169,742	164,241	164,650		= 2821.0 - 11.9			
15	M = P <sub>n</sub> - P <sub>n-1</sub>			251	253	253	260		=	2309.1		
16	M = I <sub>n</sub> + I <sub>n-1</sub>			342,164	342,230	333,983	334,392					
17	M x N	15 x 16			86,687		86,687					
18	>> (M x N)	>> 17	173,374		86,687		86,687					