

Standard Oil Company

COMPANY of Texas LEASE Bogle Flats Unit WELL NO. 4 DATE 6-8-66

LOCATION: Unit F Section 10 Township 22S Range 23E

L. 7074 H 7074 I/H 1,000 G .646 %CO₂ .64 %N₂ .90 %H₂S .36

d 1.995 F_r .018231 Q_m 3.185 M₂acid (I/H) (F_rQ_m)² .003372 P_{cr} 673 T_{cr} 368

TABLE 12 & X TABLE 12 & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3537	7074				Delta P = 3 (37.5 GU)			
2	GH		0	2284.90	4569.80				I _r + 1/4 I ₁ + I ₂			
3	37.5GH		0	85,684	171,368							
4	P _c or P _n		2283.2	2556.2	2828.2				= 3 (171,368)			
5	P _r		3.39	3.80	4.20				157,018 + 628.9 = 157,066			
6	T		534	563	592				= 514,106			
7	T _r		1.45	1.53	1.61				942.934			
8	Z		.739	.786	.826							
9	P//P/Z		3089.6	3252.2	3424.0				= 545.2			
10	P//Z		9.6	5.7766	5.7838							
11	(P//Z) ² /1000	(F) ² /100	.033476	.033369	.033452				P _s = P _c + Delta P			
12	1/(F _r Q _m) ²		.003372	.003372	.003372							
13		I ₁ + I ₂	.036848	.036741	.036824				= 2273.2 + 545.2			
14	I _n	10-13	157.018	157.225	157.066							
15	M P _n - P _{n-1}		273	272					= 2828.4			
16	N I _n + I _{n-1}		314.243	314.291								
17	M x N	15 x 16	85.708	85.487								
18	> (M x N)	> 17	85.788	171.275								