

WORK SHEET FOR STEPWISE CALCULATION
PRESSURE
(SURFACE)

THIRD RATE

COMPANY Cockrell Corporation LEASE Federal Occidental WELL NO. 1 DATE Oct. 23 & 24, 1972

LOCATION: Unit 10574 H 10674 L/H 1.0 G .638 % CO₂ .29 % N₂ 1.0 % H₂S 0
Section Township Range
d F_r Q_m M²cfd (L/H) (F_rQ_m)² P_{cr} 669 T_{cr} 389

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10674	5337				0				
2	GH		6810	3405				0				
3	37.5GH		255375	127687				0				
4	P _c or P _n		1061.2	933.2	934.2	936.2	935.2	809.2	810.2	812.2	811.2	
5	P _r		1.59	1.39	1.40	1.40	1.40	1.21	1.21	1.21	1.21	
6	T		608	562	562	562	562	515	515	515	515	
7	T _r		1.56	1.44	1.44	1.44	1.44	1.32	1.32	1.32	1.32	
8	Z		.870	.847	.846	.846	.846	.813	.814	.814	.814	
9	P/Z P/Z	7.8	1219.7	1102.2	1104.7	1106.6	1105.4	995.3	995.3	997.7	996.5	
10	P/TZ	9.6	2.006	1.961	1.965	1.969	1.967	1.932	1.932	1.937	1.935	
11	(P/TZ) ² /1000	(16) 2/1000										
12	L/H(F _r Q _m) ²											
13		11 + 12										
14	I _n	10 + 13	498.454	509.847	508.698	507.853	508.396	517.418	517.415	516.141	516.777	
15	M = P _n - P _{n-1}			128	127	125	126	126	125	123	124	
16	N = I _n + I _{n-1}			996.909	1008.301	1018.546	1016.551	1016.249	1025.814	1034.833	1033.556	
17	M x H	15 x 16										
18	Σ (M x H)	Σ 17										

delta P = 3 (37.5 GH) = 3 (255375)
I + 4 I₁ + I₂ 516.777 + 4 (508.396) + 498.454 = 251.2 P = P_w - delta P_c = 1061.2 - 251.2 = 810

One copy to be filed in District Office (Work copy acceptable)