

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_a & P_o)

COMPANY Jacob F. Hamilton LEASE Union 35 Seal WELL NO. 11 DATE 7-12-84

LOCATION: Unit F Section 35 Township 22S Range 28E

L 11,430 H 11,430 L/H 1.00 G 580 % CO₂ _____ % N₂ _____ % H₂S _____
22441 F₁ 10763 Q_m 1,438 M²cfd (L/H) (F₁Q_m)² 200040 P_{cr} 672 T_{cr} 350

TABLE 14 & 8

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5715		11,430						
2	GH		0	3315		6629						
3	37.5CH		0	124301		248603						
4	P _c or P _n		42632	48244	4806.0	5348.7	5316.8					
5	P _f		6.34	7.18	7.15	7.96	7.91					
6	T		534	591	591	648	648					
7	T _i		1.53	1.69	1.69	1.85	1.85					
8	Z		1882	974	970	1.031	1.029					
9	P/2 P/2	4-8	4833.6	4956.3	4954.7	5187.8	5166.9					
10	P/TZ	9-6	9.052	8.386	8.384	8.005	7.974					
11	(P/TZ) ² /1000 (Q _m) ²	10-20	1081932	1070329	1070283	1064095	1063560					
12	L/H (F ₁ Q _m) ²		1000240	1000240	1000240	1000240	1000240					
13		11+12	1082172	1070569	1070523	1064335	1063820					
14	I _n	10-13	110.155	118.857	118.876	124.942	124.941					
15	M=P _n ·P _{n-1}			564	543	543	511					
16	N=I _n +I _{n-1}			229.0	229.0	243.3	243.8					
17	M x N	15x16			124324		124536					
18	Σ (M x N)	Σ 17			124281							

P₃ = 5312.9