

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_c & P_w)
(SURFACE)

COMPANY Jake L. Hamon LEASE Union State WELL NO. 1 DATE 8/1/66

LOCATION: Unit H Section 30 Township 20 S Range 36 E

11178 H 11178 L/H 1.000 G .671 % CO₂ 0.009563 % N₂ 0.009563 % H₂S 0.382

d 2.441 F₁ .010763 Q_m 9.086 M₂d_d (L/H) (F₁Q_m)² .009563 P_{cr} 669 T_{cr} 382

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5589			11178					
2	GH		0	3750.22			7500.44					
3	37.5GH		0	140,633			281,267					
4	P _c or P _n		2139.2	2644.2	2655.2	2656.2	3173.2	3195.2				
5	P _r		3.20	3.95	3.97	3.97	4.74	4.78				
6	T		544	576.5	576.5	576.5	609	609				
7	T _r		1.43	1.51	1.51	1.51	1.59	1.59				
8	Z		.726	.779	.779	.779	.832	.833				
9	P/Z P/Z	4:8	2946.6	3394.4	3408.5	3409.8	3813.9	3835.8				
10	P/TZ	q:6	5.4165	5.8879	5.9124	5.9147	6.2626	6.2985				
11	(P/TZ)/2/1000	(10)2/1000	.029336	.034667	.034956	.034984	.039220	.039671				
12	L/H(F ₁ Q _m) ²		.009563	.009563	.009563	.009563	.009563	.009563				
13		I ₁ + I ₂	.038899	.044230	.044519	.044547	.048783	.049234				
14	I _n	I ₀ +I ₃	139.245	133.120	132.806	132.774	128.377	127.930				
15	M=P _n -P _{n-1}			505	516	517	517	539				
16	N=I _n +I _{n-1}			272.365	272.051	272.019	261.151	260.704				
17	M x N	I ₅ x I ₆				140,634		140,519				
18	Σ (M x N)	Σ I ₇				140,634						

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