WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) ~~(SURFACE)~~ PRESSURE (P_f & P_s) ~~(P_c & P_w)~~

Form C-122-E
Adopted 9-1-65

COMPANY [illegible] LEASE [illegible] (7) WELL NO. 1 DATE 7-14-7[illegible]

LOCATION: Unit _____ Section _____ Township _____ Range _____

L 13279 H 13279 L/H [illegible] G .6916 % CO_2 .716 % N_2 [illegible] % H_2S 0

d .2441 F_r .00763 Q_m 2.648 M^2cfd (L/H) $(F_rQ_m)^2$ .000812 P_{cr} 666 (TABLE IX & X) T_{cr} 384 (TABLE IX & X)

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6639.5			13279					
2	GH		0	4591.9			9182.8			ΔP = 3 (344391)		
3	37.5GH		0	172.195			344391			36.324 + 4(122.038) + 129.514		
4	P_s or P_n		2523.2	4263.2	4246.2	4245.2	4968.2	4931.2	4930.2		1037.173	
5	P_r		5.29	6.40	6.38	6.37	7.46	7.40	7.40		433.991	1407.6
6	T		520	588	588	588	656	656	656			
7	T_r		1.44	1.53	1.53	1.53	1.71	1.71	1.71			
8	Z		.797	.894	.893	.892	.991	.987	.987	P_f =	2523.2 + 1407.6 =	4930.1
9	P/Z P/Z	$\bar{4} \div \bar{8}$	4420.6	4768.7	4755.0	4759.3	5013.3	4996.1	4995.1			
10	P/TZ	$\bar{9} \div \bar{6}$	8.5011	8.1100	8.0867	8.0939	7.6423	7.6161	7.6145			
11	$(P/TZ)^2/1000$	$(\bar{10})^2/1000$	.072269	.065772	.065375	.065511	.058404	.058005	.057981			
12	$L/H(F_rQ_m)^2$		.000812	.000812	.000812	.000812	.000812	.000812	.000812			
13		$\bar{11} + \bar{12}$	.073081	.066584	.066187	.066323	.059216	.058817	.058793			
14	I_n	$\bar{10} \div \bar{13}$	116.324	121.801	122.143	122.038	129.058	129.488	129.514			
15	$M = P_n - P_{n-1}$			740	223	222	723	686	685			
16	$N = I_n + I_{n-1}$			238.125	238.467	238.362	251.096	251.526	251.552			
17	M x N	$\bar{15} \times \bar{16}$				172.097			172.313			
18	Σ(M x N)	$\Sigma\bar{17}$				172.097			344410			

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