

WORK SHEET FOR STEPWISE CALCULATION

(SUB SURFACE) PRESSURE (P_f & P_s)
 XXXXXXXXXXXX (P_c & P_w)
 RATE NO. 1
 Form C-122-E

COMPANY _____ LEASE _____ WELL NO. _____ DATE _____

LOCATION: UNIT _____ SECTION _____ TOWNSHIP _____ RANGE _____

L 7401 H 7400 L/H 1.00 G 0.717 % CO₂ 0.89 % N₂ 1.54 % H₂S 0.00
 d 2.441 F 0.010763 Q_m 0.765 M² cfd (L/H) (F Q_m)² 0.000068 P_{cr} 668 T_{cr} 398

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3700		7400						
2	GH		0	2653		5306						
3	37.1GH		0	99484		198968						
4	P _c or P _n		2239.2	2502.2	2534.2	2831.2	2881.2					
5	P _r		3.35	3.75	3.79	4.24	4.31					
6	T		530	541	541	553	553					
7	T _r		1.33	1.36	1.36	1.39	1.39					
8	Z		0.798	0.684	0.686	0.719	0.721					
9	P/Z F/Z		2804.61	3657.12	3694.17	3937.69	3996.12					
10	P/TZ		5.2917	6.7568	6.8253	7.1270	7.2328					
11	(P/TZ ² /1000	(10 ² /1000	0.028002	0.045654	0.045584	0.050795	0.052313					
12	L/H(F Q _m) ²		0.000068	0.000068	0.000068	0.000068	0.000068					
13			0.028070	0.045722	0.046652	0.050863	0.052381					
14	I _n		188.518	147.780	146.302	140.124	138.080					
15	M=P _n ^{-P} n ⁻¹		263	295	297	347	349					
16	N=L _n ⁻¹ + L _{n-1}		336.298	334.820	286.425	284.382						
17	M x N		88446	88446		98681						
18	Σ (M x N)	Σ 17	88446			187127						

$$\Delta P = 188.518 + 4[146.302] + 138.080 = 596903 = 654.6$$

$$P = 2239.2 + 654.6 = 2893.8$$

RECEIVED

MAY 14 1977

U.S. CONSTITUTIONAL COMM.
WESLEY, T. M.