

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-65

COMPANY Exxon LEASE 1100000 WELL NO. 1 DATE 2-2-70

LOCATION: Unit C Section 22 Township 12 Range 22

L 7400 H 9000 L/H 1.000 G 1.000 %CO₂ 0 %N₂ 0 %H₂S 0
d 1.000 $F_1 c / 823'$ Q_m 0 $M^2 c / d$ (L/H) $(F_1 Q_m)^2$ 0 P_{CT} 668 T_{CT} 401
TABLE 11 & 12 TABLE 11 & 12

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		9000	9000		0						
2	GH		6900	3050.8		0						
3	37.5GH		259.088	129.5324		0						
4	P_c or P_n		1605.7	1414.9	1000.0	1137.8	1191.2					
5	P_T		2.02	2.12	2.10	1.78	1.78					
6	T		6.28	5.00	5.14	5.20	5.34					
7	T_T		1.57	1.56	1.36	1.38	1.33					
8	Z		1.820	1.726	1.528	1.700	1.740					
9	P/Z		1906.6	1009.0	1923.6	1605.1	1609.7					
10	P/TZ		2.0007	0.5507	3.5500	3.6658	2.0190					
11	$(P/TZ)^2 / 1000$	$(10)^2 / 1000$										
12	$L/H(F_1 Q_m)^2$											
13		$I_1 + I_2$	1.000000	1.012885	1.012963	1.009030	1.009036					
14	I_n	$I_0 + I_3$	222.617	279.130	272.072	332.721	331.763					
15	$M = P_n - P_{n-1}$			200.8	215.2	212.6	209.2					
16	$N = I_n + I_{n-1}$			6.1752	6.0517	6.0503	6.1050					
17	$M \times N$	$I_5 \times I_6$		120.344	120.344	120.344	120.344					
18	$\Sigma (M \times N)$	ΣI_7	259.088		128.729							