

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY Amoco LEASE St. Fr WELL NO. 1 DATE 12-26-76

LOCATION: Unit _____ Section _____ Township _____ Range _____

L 12,350 H 12,350 L/H 1.00 G 573 % CO₂ _____ % N₂ _____ % H₂S _____

d _____ F_r _____ Q_m _____ $M^2 \cdot d$ (L/H) ($F_r Q_m$)² _____ P_{ci} 672 T_{ci} 346

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12,350	6175		0						
2	GH		7077	3538		0						
3	37.5GH		765,371	132,185		0						
4	P_c or P_n		3644.1	3263.8	3248.9	2855.2	2819.2	2821.6	$P_w = 2823.8$			
5	P_r		5,442	4,866	4,833	4,255	4,200	4,200				
6	T		672	603	603	534	534	534				
7	T_r		1,944	1,744	1,744	1,544	1,544	1,544				
8	Z		1,946	1,873	1,873	1,782	1,781	1,781				
9	P/Z P/Z	4÷8	3852.1	3738.6	3721.5	3651.2	3609.8	3612.7				
10	P/TZ	9÷6	5,732	6,200	6,172	6,837	6,760	6,765				
11	$(P/TZ)^2/1000$	(10) 2/1000										
12	$L/H(F_r Q_m)^2$											
13		$I_1 + I_2$										
14	I_n	$I_0 \div I_3$	174,450	161,290	162,030	146,254	147,932	147,810				
15	$M = P_n - P_{n-1}$			380	395	394	430	427				
16	$N = I_n + I_{n-1}$			335,740	336,480	308,284	309,962	309,840				
17	$M \times N$	$I_5 \times I_6$			132,910			132,302				
18	$\Sigma (M \times N)$	ΣI_7			132,461							

APPROVED

JAN 17 1977

OIL CONSERVATION COMM.
HOBBS, N. M.