

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 12-25-76

LOCATION: Unit Section Township Range
L 12.350 H 12.350 L/H 1.00 G .573 % CO₂ % N₂ % H₂S
d F_i Q_m M_{std} (L/H) (F_iQ_m)² P_{CT} 672 T_{CT} 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		265,321	132,645		0						
4	P _c or P _n		4646.8	4188.0	4170.2	3695.3	3651.7	3652.5	P _w = 3655.3			
5	P _r		6.91	6.23	6.21	5.50	5.43	5.43				
6	T		672	603	603	534	534	534				
7	T _r		1.94	1.74	1.74	1.54	1.54	1.54				
8	Z		1.00	1.929	1.928	1.835	1.831	1.831				
9	P/Z P/Z	4÷8	4646.8	4508.1	4493.7	4425.6	4393.2	4395.3				
10	P/TZ	9÷6	6.915	7.476	7.452	8.288	8.227	8.231				
11	(P/TZ) ² /1000 (10 ³ 2/1000)											
12	L/H (F _i Q _m) ²											
13	I ₁ + I ₂											
14	I _n	I ₀ ÷ I ₃	144616	133.758	134.188	120.663	121.553	121.493				
15	M = P _n - P _{n-1}			459	477	475	519	517				
16	N = I _n + I _{n-1}			278.324	278.804	254.851	255.741	255.681				
17	M × N	I ₅ × I ₆			1321989			1321989				
18	Σ (M × N)	Σ I ₇			132 382							

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U.S. CONSERVATION COMMISSION
HOBBS, N. M.