

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

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

COMPANY Mesa LEASE Monsanto, State WELL NO. 1 DATE 3-28-75

LOCATION: Unit _____ Section _____ Township _____ Range _____

L H 11857 L/H 1.570 G 6.6847 % CO₂ 0.41 % N₂ 1.37 % H₂S 0.00

d 2.720 F_r .008224 Q_m 1.6444 M₂ cfd (L/H) (F_r Q_m)² .000206 P_{CT} 668 T_{CT} 382
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5929.5		11857						
2	GH		0	4059.9		8117.9						
3	37.5GH		0	152247		304495						
4	P _c or P _n		813.2	967.2	968.2	1123.2	1126.2					
5	P _r		1.22	1.45	1.45	1.68	1.69					
6	T		514	594.5	594.5	635	635					
7	T _r		1.35	1.50	1.50	1.66	1.66					
8	Z		.827	.864	.864	.895	.895					
9	P/Z P/Z	4=8	983.3	1119.4	1120.6	1255.0	1258.3					
10	P/TZ	9=6	1.9731	1.9486	1.9506	1.9763	1.9816					
11	(P/TZ) ² /1000	(10) ² /1000	.003660	.003777	.003805	.003906	.003927					
12	L/H(F _r Q _m) ²		.000206	.000206	.000206	.000206	.000206					
13		I1 + I2	.003866	.004003	.004011	.004112	.004133					
14	I _n	I0 + I3	494.853	486.785	486.313	480.618	479.458					
15	M = P _n - P _{n-1}		154	154	155	155	158					
16	N = I _n + I _{n-1}		981.638	981.166	981.166	986.931	985.771					
17	M x N	15 x 16			152081		152592					
18	Σ (M x N)	Σ I7			152081		364673					

ΔP = 3(304495)
 494.853 + 4(486.313) + 479.458
 2919.563 = 312.9

15 - 213.2 + 312.9 = 1126.1

COPIED