

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_w) 4th

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

COMPANY MESA PETROLEUM LEASE JOC STATE COM. WELL NO. # 1 DATE 1-18-80

LOCATION: Unit L Section 2 Township 24s Range 33e

L 13,250 H 13,250 L/H 1.000 G mix 1.322 % CO₂ .336 % N₂ 2.006 % H₂S

d 1.995 F, 01823 M M² cfd (L/H) (F_rQ_m)² P_{cr} 650 T_{cr} 537

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13,250	6625		0						
2	GH		17516	8758		0						
3	37.5GH		656868	328,434		0						
4	P _c or P _n		3554.8	2382.9	2376.0	1198.5	1095.1	1120.8	P _w =	1138.9		
5	P _r		5.47	3.67	3.66	1.844	1.68	1.72				
6	T		666	600	600	534	534	534				
7	T _r		1.24	1.12	1.12	1.00	1.00	1.00				
8	Z		.748	.550	.549	.264	.252	.254				
9	P/Z P/Z	4/8	4752.4	4332.7	4327.9	4539.9	4345.5	4412.8				
10	P/TZ	9/6	7.135	7.221	7.213	8.501	8.138	8.264				
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 + I ₃	140.140	138.482	138.635	117.623	122.885	121.012				
15	M=P _n -P _{n-1}			1171	1179	1177	1287	1255				
16	N=I _n +I _{n-1}			278.622	278.775	256.258	261.520	259.647				
17	M x N	I ₅ x I ₆			328,615			325902				
18	Σ (M x N)	Σ I ₇			328253							