

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

3rd.

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

COMPANY MESA PETROLEUM CO. LEASE RIO STATE WELL NO. # 2 DATE 8-15-79

LOCATION: Unit J Section 36 Township 18 Range 24

L 8657 H 8657 L/H 1.000 G .586 % CO₂ .75 % N₂ .41 % H₂S

J 1.995 F₁ 0.018231 Q_m 0 M²cid (L/H) (F₁ Q_m)² 0 P_{ci} 672 T_{ci} 354

TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	4328.5		8657						
2	SH		0	2536.5		5073						
3	37.508		0	95119		190238						
4	P _{ci} = 672		3023.9	2758.5	2752.7	2482.0	2471.5	2472.1		T _w = 2471.6		
5	L ₁		4.50	4.10	4.10	3.69	3.68	3.68				
6	T ₁		620	577	577	534	534	534				
7	F ₁		1.75	1.63	1.63	1.51	1.51	1.51				
8	Z		.874	.820	.820	.772	.772	.772				
9	F ₁ /Z ₁	4.8	3459.8	3364.0	3356.9	3215.1	3201.5	3202.2				
10	P ₁ F ₁ ²	9.6	5.5804	5.8302	5.8179	6.0207	5.9953	5.9967				
11	(P ₁ F ₁ ² - 1) / 1000 (10) 2/1000											
12	L/H (10 Q _m) ²											
13		11 + 12										
14	L _n	10 + 13	179.199	171.521	171.883	166.092	166.798	166.758				
15	M = P _n - P _{n-1}			265	271	271	281	281				
16	N = L _n + L _{n-1}			350.720	351.082	337.976	338.681	338.641				
17	M x N	15 x 16			95217			95010				
18	Σ (M x N)	Σ 17			95021							