

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

3 rd

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

COMPANY MESA PETROLEUM COMPANY LEASE RIO STATE WELL NO. # 1 DATE 5-24-79

LOCATION: Unit K Section 36 Township 18 Range 24

L 8701 H 8701 L/H 1.000 G .595 % CO₂ .53 % N₂ .39 % H₂S
d 1.995 F₁ 018231 Q_m 0 M₂ cfd (L/H) (F₁ Q_m)² 0 P_{cr} 671 T_{cr} 358
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		8701	4350.5		0						
2	GH		5177	2588.5		0						
3	37.5GH		194141	97071		0						
4	P _c or P _n		2522.2	2291.9	2289.3	2056.8	2051.5	2051.6			P _w = 2051.8	
5	P _r		3.76	3.42	3.41	3.07	3.06	3.06				
6	T		621	577.5	577.5	534	534	534				
7	T _r		1.73	1.61	1.61	1.49	1.49	1.49				
8	Z		.856	.818	.818	.776	.776	.776				
9	P/Z P/Z	4÷8	2946.5	2801.8	2798.7	2650.5	2643.6	2643.8				
10	P/TZ	9÷6	4.7448	4.8517	4.8463	4.9634	4.9506	4.9510				
11	(P/TZ) ² /1000	(10) 2/300										
12	L/H(F ₁ Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ ÷ I ₃	210.759	206.114	206.345	201.475	201.995	201.979				
15	M = P _n - P _{n-1}		230	233	233	238	238					
16	N = I _n + I _{n-1}		416.873	417.104	407.820	408.109	408.324					
17	M x N	15 x 16			97.125		97067					
18	Σ (M x N)	Σ 17			97016							