

WORK SHEET FOR STEPWISE CALCULATION
(SURFACE) PRESSURE (P_c & P_w) 1st

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

COMPANY MESA PETROLEUM COMPANY LEASE RIO STATE WELL NO. # 1 DATE 5-21-79
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 F_r .0182310_m 0 M₂ ctd (L/H) (F_rQ_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		3077.9	2797.2	2794.4	2511.2	2503.8	2504.2		P _w =	2504.8	
5	P _r		4.59	4.17	4.16	3.74	3.73	3.73				
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		.857	.821	.821	.772	.772	.772				
9	P/Z P/Z		3591.5	3407.1	3403.7	3252.8	3243.2	3243.8				
10	P/TZ		5.7834	5.8997	5.8938	6.0915	6.0735	6.0745				
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	172.909	169.501	169.670	164.164	164.650	164.623				
15	M=P _n -P _{n-1}			281	283	283	291	290				
16	N=I _n +I _{n-1}			342.410	342.579	333.834	334.320	334.293				
17	M x N	I ₅ x I ₆			9711.9		97014					
18	Σ (M x N)	Σ I ₇			97022							