

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

2 nd

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 18231 Q_m 0 M² cfd (L/H) (F_iQ_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		1941.1	97071		0						
4	P _c or P _n		2872.6	2610.0	2607.1	2341.9	2335.2	2335.6		P _w =	2335.8	
5	P _r		4.28	3.89	3.89	3.49	3.48	3.48				
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		.855	.817	.817	.771	.771	.771				
9	P/Z P/Z		3359.8	3194.6	3191.1	3037.5	3028.8	3029.3				
10	P/TZ		9.6	5.4103	5.5256	5.6881	5.6718	5.6728				
11	(P/TZ) ² /1000 (10 ³ Z/1000)											
12	L/H(F _i Q _m) ²											
13			11 + 12									
14	I _n		184.834	180.772	180.975	175.805	176.310	176.281				
15	M=P _n -P _{n-1}			263	266	265	272	272				
16	N=I _n +I _{n-1}			365.606	365.809	356.780	357.285	357.256				
17	M x N		15 x 16		97125			97008				
18	Σ (M x N)		Σ 17		97016							