

WORK SHEET FOR STEPWISE CALCULATION
 (SUBSURFACE) PRESSURE (P_c & P_w)
 (SURFACE) Ist. Form C-122-E
 Adopted 9-1-65

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

LOCATION: Unit J Section 34 Township 18 Range 24

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

d 1.995 F_i .01823 b_m 0 M² c_{td} (L/H) (F_i Q_m)² 0 P_{ci} 672 T_{cr} 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	GH		0	2536.5		5073						
3	37.503		0	95119		190238						
4	P ₁ or P _n		3204.2	2927.1	2918.3	2633.2	2620.1	2620.8		P _w =	2619.1	
5	P ₁		4.77	4.36	4.34	3.92	3.90	3.90				
6	T		620	577	577	534	534	534				
7	T _r		1.75	1.63	1.63	1.51	1.51	1.51				
8	Z		.887	.817	.817	.774	.774	.774				
9	P/Z P/Z	4.8	3612.4	3582.7	3572.0	3402.1	3385.1	3386.1				
10	P/T ²	9.6	5.8265	6.2093	6.1906	6.3709	6.3392	6.3409				
11	(P/T) ² /1000	(10) ² /1000										
12	L/H(F _i Q _m) ²											
13		11 + 12										
14	I _n	10 + 13	171.631	161.050	161.536	156.963	157.750	157.706				
15	M = P _n - P _{n-1}			277	286	285	298	297				
16	N = I _n + I _{n-1}			332.691	333.167	318.499	319.286	319.242				
17	M x N	15 x 16			95258			94967				
18	Σ (M x N)	Σ 17			94980							