

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

2nd.

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

d 1.995 F_i .018231 Q_m 0 M² cfd (L./H) (F_i Q_m)² 0 P_{ci} 672 T_{ci} 354

TABLE IX B X TABLE IX B 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	37.5GH		0	95119		190238						
4	P _g or P _n		3115.7	2843.2	2837.2	2837.2	2547.8	2548.4		P _w	2547.9	
5	F _i		4.64	4.23	4.22	3.81	3.79	3.79				
6	T		620	577	577	534	534	534				
7	T _i		1.75	1.63	1.63	1.51	1.51	1.51				
8	Z		.877	.823	.822	.773	.773	.773				
9	P/Z, F/Z	4.8	3552.7	3454.7	3451.6	3310.4	3295.9	3296.7				
10	P/TZ	9.6	5.7301	5.9873	5.9819	6.1992	6.1721	6.1737				
11	(P/TZ) ² /1000 (10) ² /1000											
12	L/H(F _i Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	174.516	167.021	167.170	161.310	162.018	161.979				
15	M=P _n -P _{n-1}			273	279	278	289	289				
16	N=I _n +I _{n-1}			341.537	341.686	328.480	329.188	329.149				
17	M x N	15 x 16			95160			95066				
18	Σ (M x N)	Σ 17			95078							