

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

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

COMPANY MESA PETROLEUM CO. LEASE RIO STATE WELL NO. # 2 DATE 3-15-79
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 P_f 018231 Q_m 4.308 M^2cid (L/H) ($P_f Q_m$)² .006168 P_{ci} 672 T_{cr} 354
TABLE 1 & 2

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	$P_{foi} P_n$		2531.2	2871.0	2870.2	3209.0	3203.0			Ps=	3204.2	
5	P_1		3.77	4.27	4.27	4.78	4.77					
6	P_2		534	577	577	620	620					
7	P_3		1.51	1.63	1.63	1.75	1.75					
8	P_4		.772	.816	.816	.887	.887					
9	$P_{1/2} P_{1/7}$	4-B	3278.8	3518.4	3517.3	3617.9	3611.0					
10	$P_{1/7}$	5-B	6.1400	6.0977	6.0959	5.8352	5.8242					
11	$(P_2/T_2)^2 / 1000$ (B) $2/1000$		.037700	.037182	.037160	.034050	.033921					
12	$L/H (F_f Q_m)^2$		.006168	.006168	.006168	.006168	.006168					
13		$P_1 + 12$	.043868	.043350	.043329	.040218	.040090					
14	P_n	$P_0 + 13$	139.965	140.661	140.690	145.089	145.279					
15	$M = P_n - P_{n-1}$		340	339	339	333						
16	$N = I_n + I_{n-1}$		280.626	280.655	285.779	285.969						
17	$M \times N$	$I_5 \times I_6$	95129			95172						
18	$\Sigma (M \times N)$	ΣI_7	95109									