

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_f & P_s)

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

2 nd

COMPANY MESA PETROLEUM COMPANY LEASE RIO STATE WELL NO. # 1 DATE 5-24-79
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 1.925 F_i .01823 Q_m 1.198 M²ctd (L/H) (F_i Q_m)² .000477 P_{ci} 671 T_{ci} 358
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	4350.5		8701						
2	GH		0	2588.5		5177						
3	37.5GH		0	97071		194141						
4	P _c or P _n		2328.2	2606.8	2603.6	2878.7	2873.2		Ps=	2872.6		
5	P _f		3.47	3.88	3.88	4.29	4.28					
6	T		534	577.5	577.5	621	621					
7	T _r		1.49	1.61	1.61	1.73	1.73					
8	Z		.771	.817	.817	.855	.855					
9	P/Z P/Z		3019.7	3190.6	3186.8	3366.9	3360.4					
10	P/TZ		5.6549	5.5249	5.5183	5.4217	5.4113					
11	(P/TZ)/2/1000		.031978	.030525	.030451	.029395	.029282					
12	L/H(F _i Q _m) ²		.000477	.000477	.000477	.000477	.000477					
13			.032455	.031002	.030928	.029872	.029759					
14	I _n		174.239	178.213	178.421	181.497	181.836					
15	M=P _n -P _{n-1}		279	275	275	270						
16	N=I _n +I _{n-1}		352.452	352.660	359.918	360.257						
17	M x N		15 x 16	97128		97104						
18	Σ (M x N)		Σ 17	97013								