

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_g & P_h)
4th

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

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 1.995 F₁ .01823 Q_m 2.592 M₂ crd (L/H) (F₁ Q_m)² .002233 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		0	4350.5		8701						
2	GH		0	2588.5		5177						
3	37.5GH		0	97071		194141						
4	P _c or P _n		1283.2	1461.3	1462.5	1642.0	1644.0		P _s =	1644.3		
5	P _r		1.91	2.18	2.18	2.45	2.45					
6	T		534	577.5	577.5	621	621					
7	T _r		1.49	1.61	1.61	1.73	1.73					
8	Z		.829	.852	.852	.878	.878					
9	P/Z P/Z	4/8	1547.9	1715.1	1716.6	1870.1	1872.5					
10	P/TZ	9/6	2.8987	2.9699	2.9725	3.0115	3.0153					
11	(P/TZ) ² /1000	(10) 2/1000	.008402	.008820	.008836	.009069	.009092					
12	L/H(F ₁ Q _m) ²		.002233	.002233	.002233	.002233	.002233					
13		I ₁ + I ₂	.010635	.011053	.011069	.011302	.011325					
14	I _n	I ₀ ÷ I ₃	272.552	268.689	268.550	266.453	266.253					
15	M = P _n - P _{n-1}			178	179	179	181					
16	N = I _n + I _{n-1}			541.241	541.102	535.003	534.803					
17	M x N	I ₅ x I ₆			97046		97059					
18	Σ (M x N)	Σ I ₇			97095							