

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s) 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_r .01823 b_m 5.765 M² cfd (L/H) (F_r Q_m)² .011046 P_{ci} 672 T_{ci} 354

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	37.5GH		0	95119		190238						
4	P _s or P _h		2383.2	2749.3	2749.6	3116.0	3115.1			Ps=	3115.7	
5	P _h		3.55	4.09	4.09	4.64	4.64					
6	T		534	577	577	620	620					
7	T ₁		1.51	1.63	1.63	1.75	1.75					
8	Z		.771	.820	.820	.877	.877					
9	P/Z P/Z	4.8	3091.1	3352.8	3353.2	3553.1	3552.0					
10	P/TZ	9+6	5.7885	5.8107	5.8114	5.7308	5.7291					
11	(P/TZ) ² /1000 (10) ² /1000	(10) ² /1000	.033507	.033764	.033772	.032842	.032822					
12	L/(H(F _r Q _m)) ²		.011046	.011046	.011046	.011046	.011046					
13		11 + 12	.044553	.044810	.044819	.043888	.043869					
14	I _n	10-13	129.924	129.673	129.664	130.577	130.526					
15	M=P _n -P _{n-1}		366	366	366	366	366					
16	N=I _n +I _{n-1}		259.597	259.588	260.241	260.260						
17	M x N	15 x 16	95116									
18	Σ(M x N) *	Σ 17	95122									