

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P₁ & P₂) 2nd.
(SURFACE) (P₀ & P₁)

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

COMPANY MESA PETROLEUM LEASE JOC STATE COM. WELL NO. # 1 DATE 1-18-80

LOCATION: Unit 1 Section 2 Township 24s Range 33e

L 13,250 H 13,250 L/H 1.00 G mix 1.322 % CO₂ .336 % N₂ 2.006 % H₂S _____

d 1.995 F_g .01823Q_m M₂ cfd (L/H) (F_gQ_m)² _____ P_{cr} 650 T_{cr} 537
TABLE 12 B 1

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6625		13,250						
2	GH		0	8758		17,516						
3	37.5GH		0	328434		656,868						
4	P _c or P _n		3763.2	5284.6	5240.9	6724.1	6660.3	Ps=	6653.4			
5	P _r		5.79	8.13	8.06	10.34	10.25					
6	T		534	600	600	666	666					
7	T _i		1.00	1.12	1.12	1.24	1.24					
8	Z		762	1.009	.997	1.193	1.185					
9	P/Z P/Z		4938.6	5237.5	5256.7	5636.3	5620.5					
10	P/TZ		9.248	8.729	8.761	8.463	8.439					
11	(P/TZ) ² /1000		.085530	.076198	.076757	.071621	.071219					
12	L/H(F _g Q _m) ²		.000154	.000154	.000154	.000154	.000154					
13			.085684	.076352	.076911	.071775	.071373					
14	I _n		107.934	114.327	113.912	117.909	118.239					
15	M=P _n -P _{n-1}		1521	1477	1483	1419.4						
16	N=I _n +I _{n-1}		222261	221.846	231.821	232.151						
17	M x N		327821			329.515						
18	Σ (M x N)		Σ I ₇		329,046							