

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s) 3rd.
(SURFACE) (P_c & P_w)

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

COMPANY MESA PETROLEUM LEASE JOG 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, 01823Q_m M₂cid (L/H) (F₁Q_m)² P_{cr} 650 T_{cr} 537

INE	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		1988.2	3471.1	3391.4	4785.4	4691.9	P _{sm}	4667.2			
5	P _r		3.06	5.34	5.22	7.36	7.22					
6	T		534	600	600	666	666					
7	T _r		1.00	1.12	1.12	1.24	1.24					
8	Z		.414	.717	.705	.922	.910					
9	P/Z P/Z	4/8	4802.4	4841.1	4810.5	5190.2	5155.9					
10	P/TZ	9/6	8.993	8.069	8.018	7.793	7.742					
11	(P/TZ) 2/1000	(10) 2/1000	.080879	.065100	.064281	.060733	.059933					
12	L/H(F ₁ Q _m) ²		.000330	.000330	.000330	.000330	.000330					
13		I ₁ + I ₂	.081209	.065430	.064611	.061063	.060263					
14	I _n	I ₀ + I ₃	110.742	123.313	124.089	127.624	128.464					
15	M = P _n - P _{n-1}			1483	1403	1394	1300					
16	N = I _n + I _{n-1}			234.055	234.831	251.713	252.553					
17	M x N	I ₅ x I ₆			329522							
18	Σ (M x N)	Σ I ₇			327,345							