

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_c & P_w)

(SURFACE) 3 rd.

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 1.000 G mix 1.322 % CO₂ .336 % N₂ 2.006 % H₂S 537

d 1.995 F, 018230 M² c/d (L/H) (F_rQ_m)² 650 P_{cr} 537

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13,250	6625		0						
2	GH		17516	8758		0						
3	37.5GH		656868	328,434		0						
4	P _c or P _h		4667.2	3397.0	3374.1	2082.3	1980.9	1984.1	P _w =	2003.4		
5	F _r		7.18	5.23	5.19	3.20	3.05	3.05				
6	T		666	600	600	534	534	534				
7	T _r		1.24	1.12	1.12	1.00	1.00	1.00				
8	Z		.906	.706	.702	.432	.413	.413				
9	P/Z or P/Z		5151.4	4811.6	4806.4	4820.2	4796.4	4804.2				
10	P/TZ		7.734	8.019	8.010	9.027	8.982	8.997				
11	(P/TZ)/2/1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13												
14	I _n	I ₀ ÷ I ₃	129.284	124.698	124.835	110.784	111.335	111.152				
15	M = P _n - P _{n-1}			1270	1293	1292	1393	1390				
16	N = I _n + I _{n-1}			253.982	254.119	235.619	236.170	235.987				
17	M x N	15 x 16		328610			328004					
18	Σ (M x N)	Σ 17		328257								