

WORK SHEET FOR STEPWISE CALCULATION

Form C-122-E

(SUBSURFACE) (P_f & P_s)
PRESSURE
XSEXXXXXXXX
(P_c & P_w)
RATE NO. 2

DATE 5-2-77

WELL NO. 1

LEASE HONDO STATE

COMPANY MESA PETROLEUM

LOCATION: UNIT		SECTION		TOWNSHIP		RANGE	
11126	H 11126	L/H 1.00	G	0.688	% CO ₂	1.17	% N ₂
d	2.441	F _r	0.010763	Q _m	0.969	M ² cfd	(L/H) (F _r Q _m) ²
						0.000109	P _{cr}
						670	T _{cr}
							350
1	H						
2	GH						
3	37.5GH						
4	P _c or P _n						
5	P _r						
6	T						
7	T _r						
8	Z						
9	P/Z P/Z						
10	P/TZ						
11	(P/TZ ² /1000						
12	L/H(F _r Q _m) ²						
13							
14	I _n						
15	M=P _n -P _{n-1}						
16	N=1 _n +1 _{n-1}						
17	M x N						
18	Σ (M x N)						

$$\Delta P = 157.425 + 4[165.797] + 174.975 = 861.152 = 995.588$$

$$P = 2613.2 + 865.0 = 3478.2$$