

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

Form C-122E
Adopted 9-1-65

COMPANY Union Oil Co. of California LEASE Papillon - Federal WELL NO. 1 DATE 8-11-70 **FR3 - PAGE 2**

LOCATION: Unit M Section 4 Township 19 South Range 34 East

L H L/H G % CO₂ % N₂ % H₂S
d Fr Q_m M² cfd (L/H) (F_r Q_m)² P_{cr} T_{cr}

TABLE 1A & X TABLE 1B & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13325			0						
2	GH		12512			0						
3	37.SGH		489456			0						
4	P _c or P _n		6066	5057	5039	4012	3911	3972			19,386	408
5	P ₁		912	760	758	603	597		(3972) ² =		15,776	284
6	T		660	603	603	546	546				3,609	625
7	T _r		141	129	129	116	116				7.0 M	2050
8	2		1.069	0.941	0.939	0.796	0.794					
9	P/2	48	5674	5374	5366	5078	5065					
10	P/T _r	96	860	891	890	930	928					
11	(P/T _r) ² /1000	(4) 2, 301	-	-	-	-	-					
12	L/H(F _r Q _m) ²		-	-	-	-	-					
13		11+12	-	-	-	-	-					
14	I _n	10-13	116.28	112.23	112.36	107.53	107.76					
15	M=P _n -P _{n-1}			1009	1027	1027	1068	1067				
16	N=I _n +I _{n-1}		236.56	228.51	228.54	219.89	220.12					
17	M x N	15x16										
18	Σ (M x N)	Σ 17										