

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

Form C-122E
Adopted 9-1-55

COMPANY Union Oil Co. of California LEASE Bigelow - Federal WELL NO. 1 DATE 5-11-70

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

L H L/H G % CO₂ % N₂ % H₂S

d F_r Q_m M²cd (L/H) ($F_r Q_m$)² P_{CT} T_{CT}

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13325	6663		0						
2	CH		12519	6260		0						
3	37.5CH		46725	234746		0						
4	P _c or P _n		6302	5281	5262	4222	4179	4181				19,366,454
5	P _f		9.48	796	7.92	6.35	6.29	6.29				17480761
6	T		660	601		543						1,705,648
7	T _r		1.41	1.23	1.23	1.16	1.16	1.16				3.742
8	Z		1.098	0.974	0.971	0.923	0.817	0.817				
9	P/Z	48	5142	5425	5422	5134	5118	5120				
10	P/TZ	96	3.10	903	9.02	945	9.42	9.43				
11	(P/TZ) ² /1000	(0.6 ²)/3600										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ - I ₃	114.94	110.74	110.86	105.82	103.16	106.04				
15	M = P _n - P _{n-1}			102.1	1040	1040	1084	1082	1082			
16	N = I _n + I _{n-1}			225.68	225.80	216.68	217.02	216.90				
17	M x N	15 x 16		234.832								
18	Σ (M x N)	Σ I ₇	469,456		234,832							