

WORK SHEET FOR STEPWISE CALCULATION

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

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

2N

COMPANY Natomas LEASE State 10m 23 WELL NO. 1 DATE 6-20-79

LOCATION: Unit H 12, 182 Section 23 Township 23 S Range 34 E

12, 182 H 12, 182 L/H 1.00 G mix .684 % CO₂ % N₂ % H₂S

22,441 F_r .010763 Q_m M₂ std (L/H) (F_r Q_m)² P_{cs} 669 T_{cs} 385

TABLE 12 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12,182	6091								
2	GH		8332	4166		0						
3	37.5GH		312,468	156,234		0						
4	P _c or P _n		5285.8	4663.8	4642.8	4001.9	3458.7	3960.6	P _w = 3960.9			
5	P _r		11,90	6,97	6,94	5,98	5,92	5,82				
6	T		656	595	595	534	534	534				
7	T _r		1,70	1,55	1,55	1,39	1,39	1,39				
8	Z		1,012	920	919	1,826	1,822	1,822				
9	P/Z P/Z	4+8	5223.1	5062.4	5052.0	4844.9	4815.9	4818.3				
10	P/TZ	9+6	7,562	8,520	8,491	9,073	9,019	9,023				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10+13	125,595	117,371	117,776	110,219	110,843	110,827				
15	M = P _n - P _{n-1}			622	643	640	684	682				
16	N = I _n + I _{n-1}			242,966	243,371	237,995	238,659	228,603				
17	M x N	15 x 16			156,494			155,936				
18	Σ (M x N)	Σ 17			155,974							