

WORK SHEET FOR STEPWISE CALCULATION

~~TABLE 13 & 14~~ PRESSURE (P_c & P_w)

Form C-122E
Adopted 9-1-65

COMPANY Exxon U.S.A. LEASE N.M. DA STATE WELL NO. #2 DATE 7-29-82

LOCATION: Unit Section Township Range

L 12530 H 12530 L/H 1.000 G .612 % CO₂ .48 % N₂ .85 % H₂S NIL

d 2441 F_r .010763 Q_m 0 M²cfd (L/H) (F_rQ_m)² 0 P_{cr} 671 T_{cr} 362

TABLE 13 & 14

RATE: 3

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9
1	H		12530	6265		0					
2	GH		766836	3834.18		0					
3	37.5GH		287.5163	143.781		0					
4	P _c or P _n		2411.6	2116.9	2109.5	1808.4	1800.9	1801.8			
5	P _r		3.59	3.15	3.14	2.69	2.68	2.68			
6	T		6661	597.5	597.5	534	534	534			
7	T _r		1.83	1.65	1.65	1.48	1.48	1.48			
8	Z		.890	.822	.822	.787	.788	.788			
9	P/Z	4÷8	2709.7	2575.3	2566.3	2297.9	2285.5	2286.6			
10	P/TZ	9÷6	4.0993	4.3101	4.2951	4.3032	4.2799	4.2819			
11	(P/TZ) ² /1000	(10) 2/1000									
12	L/H(F _r Q _m) ²										
13		11 + 12									
14	I _n	10 ÷ 13	243.942	232.012	232.824	232.386	233.648	233.539			
15	M = P _n - P _{n-1}			295	302	301	308	308			
16	N = I _n + I _{n-1}			475.954	476.766	465.210	466.472	466.363			
17	M x N	15 x 16			144,026			143,503			
18	Σ (M x N)	Σ 17			143,537			144,059			