

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-55

COMPANY EXXON, U.S.A. LEASE N.M. O.A. 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 2.441 F_r .010763 Q_m 1.495 M²cfd (L/H) (F_rQ_m)² .000258 P_{CT} .671 T_{CT} 362
TABLE IX & X

RATE: 4

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9
1	H		0	6265		12530					
2	GH		0	3834.18		71668.36					
3	37.5GH		0	143.781		287.563					
4	P _c or P _n		1216.2	1423.9	1423.6	1630.9	1628.4				
5	P _r		1.81	2.12	2.12	2.43	2.43				
6	T		534	597.5	597.5	666.1	666.1				
7	T _r		1.47	1.65	1.65	1.83	1.83				
8	Z		.814	.855	.855	.906	.906				
9	P/Z	4÷8	1444.1	1665.5	1665.0	1800.2	1797.3				
10	P/TZ	9÷6	2.7979	2.7874	2.7866	2.7234	2.7191				
11	(P/TZ) 2/1000	(10) 2/1000	.007826	.007769	.007765	.007417	.007393				
12	L/H(F _r Q _m) ²		.000258	.000258	.000258	.000258	.000258				
13		I ₁ + I ₂	.008086	.008027	.008023	.007675	.007651				
14	I _n	I ₀ ÷ I ₃	346.002	347.228	347.312	354.842	355.372				
15	M = P _n - P _{n-1}			208	207	207	205				
16	N = I _n + I _{n-1}			693.230	693.314	702.154	702.684				
17	M x N	15 x I ₆			143.798		143.873				
18	Σ (M x N)	Σ I ₇			143.765		143.689				