

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-55

COMPANY Exxon, USA LEASE N.M. D.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 0.017630_m .786 M²cfd (L/H) (F_rQ_m)² .000071 P_{cr} 671 T_{cr} 362
TABLE IX & X

RAT.E: 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9
1	H		0	6265		12530					
2	GH		0	3834.18		7168.36					
3	37.5GH		0	143,781		287,583					
4	P _c or P _n		2618.2	3074.4	3069.2	3579.5	3499.5				
5	P _r		3.90	1.58	4.57	5.24	5.22				
6	T		534	597.5	597.5	6661	6661				
7	T _r		1.48	1.65	1.65	1.83	1.82				
8	Z		.774	.831	.831	.920	.919				
9	P/Z	4÷8	3382.7	3699.6	3693.4	3825.5	3807.9				
10	P/TZ	9÷6	6.3346	6.1919	6.1814	5.7875	5.7606				
11	(P/TZ) 2/1000 (10 ² 2/1000)		1.040127	.038339	.038210	.033494	.033187				
12	L/H(F _r Q _m) ²		.000071	.000071	.000071	.000071	.000071				
13		I ₁ + I ₂	.040198	.038410	.038281	.033565	.033258				
14	I _n	I ₀ ÷ I ₃	157.584	161.203	161.474	172.421	173.215				
15	M = P _n - P _{n-1}			456	451	450	430				
16	N = I _n + I _{n-1}			318.787	319.059	333.895	334.689				
17	M x N	I ₅ x I ₆			143,903		144,001				
18	Σ (M x N)	Σ I ₇			143,660		143,562				

RECEIVED

SEP 10 1982

O.C.D.
HOBBS OFFICE