

DATE

Form C-100-1
Adopted 9-1-65PRESSURE (P_f & P_s)
(P_f & P_w)(SUBSURFACE)
(SURFACE)

WORK SHEET FOR STEPWISE CALCULATION

COMPANY TXO Production Co. Williamson Lease A WELL NO. 2 DATE 6-27-84LOCATION: Unit B Section 7 Township 200 Range 27EL 11,395 H 11,395 L/H 1.00 G M L X 758 % CO₂ .636 % N₂ .303 % H₂S 408
d 1.995 F₁ 0.18231 Q_m .223 M² cld (L/H) (F₁ Q_m)² .000124 P_{cr} 667 T_{cr} 408

TABLE 10 & 11

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5698	1	11,395						
2	GH		0	4318.7		8637						
3	37.5CH		0	161951		323903						
4	P _f or P _n		2703.2	3329.9	3306.9	3901.2	3871.5		P _s = 3866.2			
5	P _f		4.05	4.99	4.96	5.86	5.80					
6	T		534	591	591	648	648					
7	T ₁		1.31	1.45	1.45	1.58	1.58					
8	Z		1.656	1.786	1.785	1.885	1.882					
9	P/2 P/2	4-8	4120.7	4236.5	4212.7	4414.9	4389.4					
10	P/TZ	9-8	7.717	7.168	7.128	6.813	6.774					
11	(F/TZ) ² /1000 (F ₁ Q _m) ²	10-2/1000	10.55499	10.51385	10.50809	10.46419	10.45885					
12	L/H (F ₁ Q _m) ²		1000174	1000174	1000174	1000174	1000174					
13		11-12	1059222	1051559	1050983	1046592	1046059					
14	I _n	10-13	129.211	139.031	139.812	146.227	147.069					
15	M = P _n - P _{n-1}			6027	604	1900	565					
16	N = I _n + I _{n-1}			268.2	269.0	286.1	286.8					
17	M x N	15 x 16			162922		161856					
18	Σ (M x N)	Σ 17			161480							