

(SUBSURFACE)
(SURFACE)

PRESSURE
(P_c & P_w)

WORK SHEET FOR STEPWISE CALCULATION

COMPANY TXO Production Co. Williamson Fed. II WELL NO. 3 DATE 6-27-84

LOCATION: Unit B Section 9 Township 20 S Range 29 E

L 11,395 H 11,395 L/H 1.00 G 1114.758 % CO₂ 6.36 % N₂ 3.03 % H₂S 408

d 1.955 F_r Q_m M²cld (L/H) (F_rQ_m)² P_{cr} 667 T_{cr} 408

TABLE 18 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11395	5658		0						
2	GH		8637	4319		0						
3	37.5SH		323,903	161951		0						
4	P _c or P _n		3866.2	338.4	3303.5	2741.9	2701.6	2701.1	P _{cr} = 2701.2			
5	P _r		5.80	4.98	4.95	4.11	4.05	4.05				
6	T		648	591	591	534	534	534				
7	T _r		1.58	1.45	1.45	1.31	1.31	1.31				
8	Z		1882	1786	1784	1660	1656	1656				
9	P/Z P/Z	7-8	4383.4	4221.9	4213.6	4154.4	4118.3	4122.1				
10	P/TZ	9-6	6.765	7.144	7.130	7.280	7.712	7.72				
11	(P/TZ) ² /1000	(9-6)										
12	L/H (F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _c	I ₀ - I ₃	147829	139983	140258	138540	129.667	129.546				
15	M = P _n - P _{n-1}			548	562	562	601	599				
16	N = I _n + I _{n-1}			278.8	258.087	268.8	264.9	269.8				
17	M x N	I ₅ x I ₆			162106			161725				
18	Σ (M x N)	Σ I ₇			161797							