

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

WORK SHEET FOR STEPWISE CALCULATION

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

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

L 11,395 H 11,395 LH 1.00 GRV 1.758 % CO₂ .636 % N₂ .303 % H₂S

d 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		11,395	5698		0						
2	GH		8637	4349		0						
3	37.5CH		323903	161951		0						
4	P _c or P _n		2701.2	2289.1	2283.0	1865.4	1846.2	1848.7		1850.4		
5	P _r		405	3.43	3.42	2.79	2.76	2.77				
6	T		648	591	591	534	534	534				
7	T _i		1.59	1.45	1.45	1.31	1.31	1.31				
8	Z		1819	1739	1738	1637	1628	1628				
9	P/Z P/Z	7-8	3288.2	3097.5	3093.5	2975.1	2955.8	2943.9				
10	P/TZ	9-5	5.09	5.24	5.23	5.57	5.57	5.51				
11	(F/TZ) ² /1000 (15/2700)											
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10-13	196.473	190.788	191.045	179.492	181.692	181.395				
15	M = P _n - P _{n-1}			412	418	417	437	434				
16	N = I _n + I _{n-1}			387.3	387.5	370.5	372.7	372.4				
17	M x N	15 x 16			162.054			161741				
18	Σ (M x N)	Σ 17			161849							