

(SURFACE) PRESSURE (P_c & P_w)

WORK SHEET FOR STEPWISE CALCULATION

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

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

L 11,395 H 11,395 L/H 1.00 G MIX .758 % CO₂ .636 % N₂ .303 % H₂S 408

d — F_r — Q_m — M²cfd (L/H) (F_rQ_m)² — P_{cf} 667 T_{cf} 408

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11395	5698		0						
2	GH		8637	4319		0						
3	37.5CH		323903	161951		0						
4	P _c or P _n		116348	1392.2	1393.1	1151.2	1151.8	1151.7	P _w =	1152.1		
5	P _r		2.45	2.09	2.08	1.73	1.73	1.73				
6	T		648	591	591	534	534	534				
7	T _r		1.59	1.45	1.45	1.31	1.31	1.31				
8	Z		1842	.792	.792	.723	.723	.723				
9	P/Z P/Z	4-8	1941.6	1757.8	1758.9	1592.2	1593.0	1592.9				
10	P/TZ	5-6	3.00	2.97	2.98	2.98	2.98	2.98				
11	(P/TZ) ² /1000	(5) 2/1000										
12	L/H (F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10-13	333.751	336.216	336.000	335.338	335.208	335.226				
15	M = P _n · P _{n-1}			243	242	242	241	241				
16	N = I _n + I _{n-1}			669.9	669.8	671.4	671.2	671.2				
17	M × N	15 × 16			161899			162008				
18	Σ (M × N)	Σ 17			162004							