STATIC BHP
CORRECTED TO SURFACE

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c ~~or P_w~~)

FROM KNOWN BOTTOM HOLE PRESSURE (P_f ~~or P_s~~)

Form C-122F
Adopted 9-1-65

COMPANY TXO PRODUCTION LEASE SWIGART ST. FARM WELL NO. 1 DATE 7-2-90

LOCATION: Unit _____ Section _____ Township _____ Range _____

L 11676 H 11676 L/H 1.000 G .678 % CO_2 .50 % N_2 1.04 % H_2S —

GH 7916.33 P_{CT} 666 (TABLE IX & X) T_{CT} 376 (TABLE IX & X)

LINE		1	2	3	4	5	6	7	8
1	T_w(W.H. °R)	574	574	574					
2	T_s(B.H. °R)	651	651	561					
3	$T=(\frac{T_w + T_s}{2})$	612.5	612.5	567.5					
4	Z (Est.)	.853	.830	.829					
5	TZ	505.4	491.7	471.1					
6	GH/TZ	15.663	16.097	16.116					
7	e^s(Table XIV)	1.799	1.828	1.830					
8	P_f ~~or P_s~~	3476.2	3499.2	3498.2					
9	P_f^2 ~~or P_s^2~~	12084.0	12084.0	12084.0					
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	6716.0	6607.6	6602.8					
11	P_c ~~or P_w~~	2591.5	2570.5	2569.5	= P_c				
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	3033.8	3023.3	3022.8					
13	$P_r = (P/P_{cr})$	4.55	4.53	4.53					
14	$T_r = (T/T_{cr})$	1.57	1.57	1.57					
15	Z (Table XI)	.830	.829	.829					