

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY TXO Production Co., Lease WELL NO. 1 DATE 7-9-86

LOCATION: Unit B Section 2 Township 22S Range 27E

L 9723 H 9723 LH 1000 G 673 % CO₂ 0.79 % N₂ 661 % H₂S 0

GH 6544 P_{CT} 669 T_{CT} 382

LINE	1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	534	534					
2	T _s (B.H. °R)	638	638					
3	T = $\frac{T_w + T_s}{2}$	586	586					
4	Z (Est.)	1.906	1.865					
5	TZ	530.9	506.9					
6	GH/TZ	12.326	12.910					
7	e ^s (Table XIV)	1.588	1.623					
8	P _f or P _s	4515.2	4515.2					
9	P _f ² or P _s ²	20387.0	20387.0					
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	12.8415	12.563.2					
11	P _c or P _w	35.83.5	35.44.5					
12	P = $\frac{P_w + P_s}{2}$ or $\frac{P_c + P_f}{2}$	4049.3	4029.8					
13	P _f = (P/P _{CT})	6.05	6.02					
14	T _f = (T/T _{CT})	1.53	1.53					
15	Z (Table XI)	1.865	1.864					

STATIC BNP