

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY TXO LEASE 119 COOK WELL NO. 1 DATE 12-28-84

LOCATION: Unit A Section 30 Township W15 Range 27E

L 10300 H 10300 L/H 100 G % CO₂ % N₂ % H₂S

GH 6067 Per 676 T_{cr} 349

Sheet 11

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534						
2	T_s (B.H. °R)	637						
3	$T = \frac{T_w + T_s}{2}$	585						
4	Z (Est.)	.866						
5	TZ	503.5						
6	GH/TZ	13.05						
7	e^S (Table XIV)	1.571						
8	P_f or P_s	2211.2						
9	P_f^2 or P_s^2	4889.4						
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	3111.9						
11	P_c or P_w	1764.6						
12	$P = \frac{P_w + P_s}{2}$ or $\left(\frac{P_c + P_f}{2}\right)$	1987.6						
13	$P_r = (P/P_{cr})$	2.94						
14	$T_r = (T/T_{cr})$	1.68						
15	Z (Table XI)	.866						