

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_g)

COMPANY 2801 1st St. (h) LEASE 1st 1st 1st WELL NO. 205 DATE 2/6
LOCATION: Unit 11 Section 11 Township 20S Range 21E
L 1000 H 2000 L/H 1000 G .666 % CO₂ .00 % N₂ .00 % H₂S .00
GH 6779.30 P_{cr} 600 T_{cr} 270
TABLE D.1 TABLE D.1

LINE		1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	20.54	20.54						
2	$T_g(B.H. \cdot R)$	4.21	4.21						
3	$T = \frac{T_w + T_g}{2}$	586.5	586.5						
4	Z (Est.)	.798	.810						
5	TZ	461.0	475.0						
6	GH/TZ	19.412	19.691						
7	e^s (Table XIV)	1.0000	1.0030						
8	$P_1 \text{ or } P_g$	2069.2	2069.2						
9	$P_1^2 \text{ or } P_g^2$	4281.6	4281.6						
10	$P_c^2 = P_1^2 / e^s$ or $P_w^2 = P_g^2 / e^s$	4281.6	2960.9						
11	$P_c \text{ or } P_w$	64.4	54.4						
12	$P = \frac{P_w + P_g}{2}$ or $\left(\frac{P_c + P_f}{2} \right)$	1516.8	1520.0						
13	$P_f = (P/P_{cr})$	3.01	3.01						
14	$T_f = (T/T_{cr})$	1.00	1.00						
15	Z (Table XI)	.810	.810						