

STATIC
ENP

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c and P_g)
FROM KNOWN BOTTOM HOLE PRESSURE (P_1 and P_2)

Form C-123F
Adopted 5-1-65

COMPANY OXY USA INC. LEASE COY. A B WELL NO. 5 DATE 3-28-90
LOCATION: Unit 1138 Section 11 Township 20S Range 20E
L 1138 H 1138 LH 1.000 G .629 % CO₂ 1.60 % N₂ .58 % H₂S —
* AND * DETER GH 7005.8 P_{cr} 675 T_{cr} 364
* * = NO. 1 70 1.60 % NO. 1

LINE		1	2	3	4	5	6	7	8
1	$T_w (W.H. \cdot R)$	534	534						
2	$T_g (B.H. \cdot R)$	645	645						
3	$T = \left(\frac{T_w + T_g}{2} \right)$	589.5	589.5						
4	Z (Est.)	.909	.874						
5	TZ	535.8	515.2						
6	GH/TZ	13.074	13.559						
7	e^s (Table XIV)	1.632	1.665						
8	$P_1 \text{ and } P_g$	4281.2	4281.2						
9	$P_1^2 \text{ or } P_g^2$	18328.9	18328.9						
10	$P_c^2 = P_1^2 / e^s \text{ or } P_w^2 = P_g^2 / e^s$	11225.5	11007.2						
11	$P_{c \text{ or } P_w}$	3350.5	3317.7	$= P_c$					
12	$P = \left(\frac{P_w + P_g}{2} \right) \text{ or } \left(\frac{P_c + P_g}{2} \right)$	3815.8	3799.6						
13	$P_r = (P/P_c)$	5.65	5.63						
14	$T_r = (T/T_{cr})$	1.61	1.61						
15	Z (Table XI)	.874	.874						