

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

Form 1-12-57
As Revised 3-1-65

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY Conoco, Inc. LEASE W. 1000' SECTION 7 TOWNSHIP 25 S RANGE 37 E DATE 5-25-62

LOCATION: Unit 11 WELL NO. 1

L. 1000' H. 1000' L. 1000' G. 1000' % CO₂ .68 % N₂ .98 % H₂S .07

GH 6,661 P_{GT} 5.71 T_{GT} 563

TABLE IX & X

7.11

LINE	1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534						
2	T_s (B.H. °R)	610						
3	$T = \frac{T_w + T_s}{2}$	572						
4	Z (Est.)	.853						
5	TZ	465						
6	GH/TZ	14.325						
7	ρ_s (Table XIV)	1.717						
8	P_f or P_s	2,000						
9	P_f^2 or P_s^2	4,000,000						
10	$P_f^2 Z + P_s^2 Z$ or $P_w^2 Z = P_{f,s}^2 Z$	32,000,000						
11	P_c or P_w	1,111						
12	$P = \frac{P_{f,s}^2 Z + P_{f,s}^2 Z}{Z}$ or $\left(\frac{P_{f,s}^2 Z}{Z} \right)$	2,913.1						
13	$P_f = (P/T_s)$	5.12						
14	$T_f = (T/T_{GT})$	1.58						
15	Z (Table XI)	.815						