

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_{cs})

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_{fs})

Form C-122F
Adopted 9-1-65

COMPANY NATURAL GAS SERVICE CORP. PLEASE State of New Mexico WELL NO. 1 DATE 7-20-78

LOCATION: Unit M Section 19 Township 10S Range 32E

L. 10,760 H. 10,260 LH 1,000 G. 1,706 %CO₂ _____ %N₂ _____ %H₂S _____

GH 754.7 P_{ct} 668 T_{ct} 392
TABLE IX & X TABLE IX & X

5441-1d

LINE		1	2	3	4	5	6	7	8
1	T_w (W.H. °R)	534	534						
2	T_g (B.H. °R)	642	642						
3	$T = (\frac{T_w}{2} + T_g)$	588	588						
4	Z (Est.)	.834	.802						
5	TZ	492.4	471.6						
6	GH/TZ	15.292	16.109						
7	e^S (Table XIV)	1.788	1.829						
8	P_f or P_{fs}	3658.2	3658.2						
9	P_f^2 or P_{fs}^2	13382.4	13382.4						
10	$P_c^2 = P_f^2 / e^S$ or $P_w^2 = P_g^2 / e^S$	7485.8	7344.3						
11	P_c or P_w	2736.0	2709.5						
12	$P_c \cdot (\frac{P_w + P_g}{2})$ or $(\frac{P_c + P_f}{2})$	3197.1	3181.3						
13	$P_r = (P/P_{cr})$	4.79	4.76						
14	$T_r = (T/T_{cr})$	1.50	1.50						
15	Z (Table XI)	.802	.800						

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MAR 15 1979
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