

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

Form C-122F
Adopted 9-1-65

Flow Rate No. 3

COMPANY Gulf Oil Corporation LEASE Helbing Fed. Gas (Comm) WELL NO. 1 DATE May 23, 1966

LOCATION: Unit F Section 15 Township 22 S Range 23 E
L 7150 H 7150 L/H 1.000 G .686 % CO₂ 0.51 % N₂ 0.90 % H₂S 0.37

GH 4905 P_{cr} 669 T_{cr} 385
TABLE IX & X TABLE IX & X

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. °R)$	532						
2	$T_s(B.H. °R)$	612						
3	$T = (\frac{T_w + T_s}{2})$	572						
4	Z (Est.)	.755						
5	TZ	432						
6	GH/TZ	11.354						
7	e^S (Table XIV)	1.531						
8	P_f or P_s	2696						
9	P_f^2 or P_s^2	7268.4						
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	4747.5						
11	P_c or P_w	2179						
12	$P_c(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2438						
13	$P_r = (P/P_{cr})$	3.64						
14	$T_r = (T/T_{cr})$	1.49						
15	Z (Table XI)	.765						

One copy to be filed in District Office (Work copy acceptable)