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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

Form C-122F
Adopted 9-1-65

Flow Rate No. 4

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 .676 % CO_2 0.51 % N_2 0.90 % H_2S 0.37

GH 4833 P_{cr} 669 (TABLE IX & X) T_{cr} 382 (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.)	.765							
5	TZ	438							
6	GH/TZ	11.034							
7	e^s(Table XIV)	1.513							
8	P_f or P_s	2607							
9	P_f^2 or P_s^2	6796.4							
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	4492.0							
11	P_c or P_w	2119							
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2363							
13	$P_r = (P/P_{cr})$	3.53							
14	$T_r = (T/T_{cr})$	1.49							
15	Z (Table XI)	.765							

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