

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

Form C-122F
Adopted 9-1-65

COMPANY Harper Oil Co LEASE Denton Federal WELL NO. 1 DATE 4-27-83

LOCATION: Unit M Section 24 Township 55 Range 27E
L 6963 H 6963 L/H 1.00 G 699 %CO₂ 1.85 %N₂ 7.42 %H₂S _____

GH 4867 P_{CT} 665 T_{CT} 365
TABLE IX & X

Sheet 1A

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \text{ } ^\circ R)$	534	534					
2	$T_s(B.H. \text{ } ^\circ R)$	604	604					
3	$T = (\frac{T_w + T_s}{2})$	569	569					
4	Z (Est.)	.817	.822					
5	TZ	464.9	467.7					
6	GH/TZ	10.47	10.41					
7	e^S (Table XIV)	1.481	1.477					
8	P_f or P_s	2316.2	2316.2					
9	P_f^2 or P_s^2	5364.8	5364.8					
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	3622.8	3631.5					
11	P_c or P_w	1323.4	1905.6					
12	$P = (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2105.8	2110.9					
13	$P_r = (P/P_{cr})$	3.17	3.17					
14	$T_r = (T/T_{cr})$	1.56	1.56					
15	Z (Table XI)	.822	.822					

