

STANDARD SOLUTION (BHP)
WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_1 or P_2)

COMPANY SAFARI OIL FIELD LEASE 23 WELL NO. 6-5 DATE 1-2-90
LOCATION: Unit H Section 23 Township 6-5 Range 25-E
L 2767 H 2767 LMI 1000 G 6-5 % CO₂ 0 % N₂ 4.90 % H₂S —
K: END Z STR. SET R TMS DEPTH, GH 2433.48 P_{cr} 663 T_{cr} 261
TABLE IN B H TABLE IN B H

LINE		1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	493.4	534						
2	$T_s(B.H. \cdot R)$	500	500						
3	$T = \left(\frac{T_w + T_s}{2} \right)$	545.5	545.5						
4	Z (Est.)	1.901	1.905						
5	TZ	491.4	493.6						
6	GH/TZ	4.951	4.929						
7	e^s (Table XIV)	1.204	1.203						
8	P_1 or P_g	667.2	667.2						
9	P_1^2 or P_g^2	445.2	445.2						
10	$P_c^2 = P_1^2/e^s$ or $P_w^2 = P_g^2/e^s$	569.7	570.0						
11	P_c or P_w	608.0	608.2	= P_c					
12	$P = \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_1}{2} \right)$	637.6	637.7						
13	$P_1 = (P/P_{cr})$	.96	.96						
14	$T_1 = (T/T_{cr})$	1.51	1.51						
15	Z (Table XI)	1.905	.905						