

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_g)

COMPANY Phillips 12112 LEASE 12112 WELL NO. 12112 DATE 12-20-65
LOCATION: Unit Section Township Range
L 12005 H 12005 L/H 1.000 G 1.643 % CO₂ .37 % N₂ .94 % H₂S 0

GH 7974.92 P or 670 T or 372
TABLE IN B. 1

SKID 1.1 BWT *

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534			534	534	
2	$T_g(B.H. \cdot R)$	600	600			600	600	
3	$T = \frac{T_w + T_g}{2}$					600	600	
4	Z (Est.)	.409	.919			.833	.896	
5	TZ	545.4	551.4			499.8	507.6	
6	GH/TZ	14.622	14.463			15.956	15.711	
7	e^S (Table XIV)	1.730	1.720			1.819	1.802	
8	P_f or P_g	809.2	809.2		$P_f \times$	1812.2	1812.2	
9	P_f^2 or P_g^2	654.8	654.8		$P_f^2 \times$	3284.1	3284.1	
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_g^2/e^S$	378.4	380.6			1805.3	1821.9	
11	P_c or P_w	615.1	616.9			1343.6	1347.8	
12	$P \cdot \left(\frac{P_w + P_g}{2} \right)$ or $\left(\frac{P_c + P_f}{2} \right)$	712.1	713.1			1577.9	1581.0	
13	$P_f = (P/P_G)$	1.06	1.06			2.35	2.35	
14	$T_f = (T/T_G)$	1.61	1.61			1.61	1.61	
15	Z (Table XI)	.919	.919			.896	.896	

RECEIVED

FEB 8 1989

OCD
HOBBS OFFICE