

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

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY Perry R. Bass LEASE Poker Lake unit WELL NO. 52 DATE 2-15-83

LOCATION: Unit C Section 33 Township 25S Range 31E

L 12465 H 12465 L/H 1.0000 G Mix. 996 % CO₂ .285 % N₂ 1.227 % H₂S

GH 12415 P_{cr} 658 T_{cr} 491

5 th rate

LINE	1	2	3	4	5	6	7	8
1	$T_w (W.H. °R)$	534						
2	$T_s (B.H. °R)$	659						
3	$T = (\frac{T_w + T_s}{2})$	596.5						
4	Z (Est.)	.811						
5	TZ	483.8						
6	GH/TZ	25.663						
7	e^S (Table XIV)	2.618						
8	P_f or P_s	5034.2						
9	P_f^2 or P_s^2	25343.2						
10	$P_c^2 = P_f^2 / e^S$ or $P_w^2 = P_s^2 / e^S$	9680.8						
11	P_c or P_w	3111.4						
12	$P = (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	4072.8						
13	$P_r = (P / P_{cr})$	6.19						
14	$T_r = (T / T_{cr})$	1.21						
15	Z (Table XI)	.809						