

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

Form C-122F
Adopted 9-1-65

COMPANY Valley Energy Lease ST. 30 WELL NO. 1 DATE 5-21-80

LOCATION: Unit A Section 30 Township 17 Range 28

9782 H 9782 LH 1,000 G 1,672 % CO₂ 1.168 % N₂ 1.782 % H₂S

GH 6574 P_{cr} 669 T_{cr} 382
TABLE IX & X

Shuler

LINE		1	2	3	4	5	6	7	8
1	$f_w(W.H. \cdot R)$	534	534						
2	$T_s(B.H. \cdot R)$	622	622						
3	$T = (\frac{T_w + T_s}{2})$	578	578						
4	Z (Est.)	1.837	1.806						
5	TZ	483.8	465.9						
6	GH/TZ	13.589	14.111						
7	e^S (Table XIV)	1.665	1.698						
8	P_f or P_s	3696.2	3696.2						
9	P_f^2 or P_s^2	13,661.9	13,661.9						
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	8207.4	8048.1						
11	P_c or P_w	2864.9	2836.9						
12	$P = (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	3280.5	3266.6						
13	$P_r = (P/P_{cr})$	4.90	4.88						
14	$T_r = (T/T_{cr})$	1.51	1.51						
15	Z (Table XI)	1.806	1.805						