

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_{cs})
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_{fs})

COMPANY 11111111111111111111 LEASE 11111111111111111111 WELL NO. 1 DATE 9-25-71

LOCATION: Unit 8 Section 32 Township 20 Range 27

L 4538 H 4538 L/H 1.00 G 1.677 % CO₂ _____ % N₂ _____ % H₂S _____

GH 6.552 P_{ct} 6.40 T_{ct} 372
TABLE IX & X TABLE IX & X

LINE		1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534						
2	$T_g(B.H. \cdot R)$	620	620						
3	$T = \frac{T_w + T_g}{2}$	572	572						
4	Z (Est.)	.862	.827						
5	TZ	501.3	480.9						
6	GH/TZ	12.872	13.016						
7	e^s (Table XIV)	1.620	1.654						
8	P_f or P_{fs}	3999.2	3999.2						
9	P_f^2 or P_{fs}^2	159936	159936						
10	$P_c^2 = P_f^2 / e^s$ or $P_{cs}^2 = P_{fs}^2 / e^s$	9865.9	9670.4						
11	P_c or P_{cs}	3141.7	3109.7						
12	$P_c \cdot (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	3570.4	3534.5						
13	$P_t = (P/P_{ct})$	5.34	5.31						
14	$T_t = (T/T_{ct})$	1.52	1.52						
15	Z (Table XI)	.827	.825						