

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

Form C-122F
Adopted 9-1-65

COMPANY W. W. Ruckelshaus LEASE O' Sage WELL NO. 1 DATE 7-16-75

LOCATION: Unit L 2090 Section H 2090 Township LH 100 Range G 1691
GH 4899 P_{cr} 669 T_{cr} 388
TABLE IX B.1 TABLE IX B.1 % CO₂ _____ % N₂ _____ % H₂S _____

LINE		1	2	3	4	5	6	7	8
1	$T_w (W.H. \cdot R)$	534	534						
2	$T_g (B.H. \cdot R)$	605	605						
3	$T = (\frac{T_w}{2} + T_g)$	570	570						
4	Z (Est.)	.743	.739						
5	TZ	423.1	420.9						
6	GH/TZ	11.58	11.64						
7	e^S (Table XIV)	1.544	1.547						
8	P_f or P_s	2599.2	2599.2						
9	P_f^2 or P_s^2	6755.8	6755.8						
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	4376.5	4366.2						
11	P_c or P_w	2092.0	2089.5						
12	$P_c \cdot (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2346.6	2344.4						
13	$P_r = (P/P_{cr})$	3.51	3.50						
14	$T_r = (T/T_{cr})$	1.47	1.47						
15	Z (Table XI)	.739	.739						