

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

Form G-122F
Adopted 3-1-65

COMPANY American Gasar Petroleum Company LEASE Robinia Draw Unit WELL NO. 1 DATE October 24, 1975
 LOCATION: Unit K Section 7 Township 23S Range 24E
10000 H 10000 L/H 1.0 G .592 %CO₂ _____ %N₂ _____ %H₂S _____
GH _____ P_{cr} 672 T_{cr} 354
TABLE IX A X TABLE IX A X

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	530	530	531	531	531	534	534
2	$T_s(B.H. \cdot R)$	644	644	644	644	644	644	644
3	$T = (\frac{T_w}{2} + T_s)$	587	587	587.5	587.5	587.5	589	589
4	Z (Est.)	.842	.839	.836	.834	.832	.848	.876
5	TZ	494.25	492.49	491.15	489.97	488.8	499.4	515.9
6	GH/TZ	11.977	12.020	12.053	12.082	12.111	11.852	11.473
7	e^S (Table XIV)	1.567	1.570	1.572	1.573	1.575	1.560	1.538
8	P_f or P_s	2874.2	2874.2	2321.2	2321.2	1974.2	1698.2	1698.2
9	P_f^2 or P_s^2	8261.0	8261.0	5387.9	5387.9	3897.4	2883.8	2883.8
10	$P_c^2 = P_f^2/e^S$ or $P_w^2 = P_s^2/e^S$	5271.8	5261.8	3427.4	3425.2	2474.5	1848.8	1875.0
11	P_c or P_w	2296.0	2293.8	1851.3	1850.7	1573.0	1359.6	1369.3
12	$P_c \cdot (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2585.1	2564.0	2086.2	2085.9	1773.6	1528.9	1533.7
13	$P_c = (P/P_{cr})$	3.84	3.84	3.10	3.10	2.64	2.28	2.28
14	$T_f = (T/T_{cr})$	1.66	1.66	1.66	1.66	1.66	1.66	1.66
15	Z (Table XI)	.839	.816	.834	.834	.857	.876	.876