

**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 READ STEVENS LEASE TURKEY TRACK STATE CO^{AL} WELL NO. #1 DATE 1-27-78

LOCATION: Unit J Section 25 Township 18 Range 28
L 10970 H 10970 L/H 1.000 G .614 %CO₂ _____ %N₂ _____ %H₂S _____

GH 6736 P_{cr} 671 T_{cr} 362
TABLE IX & X 1.57 TABLE IX & X 20000

LINE		1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534	534	534	534	534	534	534
2	$T_s(B.H. \cdot R)$	632	632	632	632	632	632	632	632
3	$T = (\frac{T_w + T_s}{2})$	583	583	583	583	583	583	583	583
4	Z (Est.)	.844	.828	.826	.820	.825	.834	.851	.863
5	TZ	492	483	482	478	481	486	496	503
6	GH/TZ	13.690	13.954	13.988	14.090	14.005	13.854	13.577	13.388
7	e^Z (Table XIV)	1.671	1.688	1.690	1.696	1.691	1.681	1.664	1.652
8	P_f or P_s	3266	3266	2834	2834	2138	2138	1538	1538
9	P_f^2 or P_s^2	10666.8	10666.8	8031.6	8031.6	4571.0	4571.0	2365.4	2365.4
10	$P_c^2 = P_f^2/e^Z$ or $P_w^2 = P_s^2/e^Z$	6383.9	6320.8	4753.3	4735.1	2703.5	2718.9	1421.7	1431.8
11	P_c or P_w	2527	2514	2180	2176	1644	1649	1192	1197
12	$P_c \cdot (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	2896	2890	2507	2505	1891	1893	1365	1367
13	$P_r = (P/P_{cr})$	4.32	4.31	3.74	3.73	2.82	2.82	2.03	2.03
14	$T_r = (T/T_{cr})$	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
15	Z (Table XI)	.828	.828	.820	.820	.834	.834	.863	.863

3rd

4th