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 Reed Prod LEASE Grynberg WELL NO. 1 DATE

LOCATION: Unit Section Township Range

L 3787 H 3787 L/H 1.00 G .677 % CO_2 .316 % N_2 10.394 % H_2S

GH 2564 P_{cr} 645 (TABLE IX & X) T_{cr} 343 (TABLE IX & X)

LINE		1	2	3	4	5	6	7	8
1	T_w(W.H. °R)	534	534	534	534	534	534	534	534
2	T_s(B.H. °R)	572	572	572	572	572	572	572	572
3	$T(\frac{T_w + T_s}{2})$	553	553	553	553	553	553	553	553
4	Z (Est.)	.882	.887	.887	.891	.891	.895	.858	.902
5	TC	490	490	490	490	490	490	490	490
6	GH TC	5.24	5.23	5.23	5.20	5.20	5.18	5.16	5.14
7	e^s(Table XIV)	1.22	1.22	1.22	1.22	1.22	1.21	1.21	1.21
8	P_f or P_s	1037.2	1037.2	990.2	990.2	947.2	948.2	872.2	872.2
	P_f^2 or P_s^2	1075.8	1075.8	980.5	980.5	901.0	901.0	760.7	760.7
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	883.3	884.3	805.9	806.7	741.3	741.9	626.8	637.4
11	P_c or P_w	939.8	940.4	897.5	898.1	860.9	861.3	791.7	792.1
12	$P = (\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	988.5	988.8	944.0	944.2	905.1	905.3	832.0	832.1
13	$P_r = (P/P_{cr})$	1.53	1.53	1.46	1.46	1.40	1.40	1.29	1.29
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)	.887	.887	.891	.891	.895	.895	.902	.902