

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

COMPANY Belco LEASE State 12 WELL NO. 1 DATE 2-7-80

LOCATION: Unit L 14323 Section H 14323 Township G 1655 Range 1
% CO₂ 1 % N₂ 1 % H₂S 1

GH 2869 P_{cr} 669 T_{cr} 388

Sheet 14 Flowing

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534	534	534			
2	$T_s(B.H. \cdot R)$	647	647	647	647			
3	$T = (\frac{T_w + T_s}{2})$	591	591	591	591			
4	Z (Est.)	.773	.783	.855	.872			
5	TZ	446.5	468.4	504.9	514.9			
6	GH/TZ	17.234	17.019	15.586	15.282			
7	e^s (Table XIV)	1.909	1.843	1.744	1.774			
8	P_f or P_s	2178.2	2178.2	1034.2	1034.2			
9	P_f^2 or P_s^2	4744.6	4744.6	1064.6	1064.6			
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	2485.6	2506.2	596.2	603.0			
11	P_c or P_w	1576.6	1583.1	772.1	776.5			
12	$P_c(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	1877.4	1880.7	903.2	905.4			
13	$P_r = (P/P_{cr})$	2.81	2.81	1.35	1.35			
14	$T_r = (T/T_{cr})$	1.52	1.52	1.52	1.52			

RECEIVED

FEB 18 1980

OIL CONSERVATION DIV.