WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or ~~P_{cw}~~)

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or ~~P_{fw}~~)

Form C-122F
Adopted 9-1-65

COMPANY Cities Service LEASE Little Box Canyon WELL NO. 1 DATE 6-29-79

LOCATION: Unit J Section 7 Township 21S Range 22E

L 5976 H 5976 L/H 1.00 G .1666 % CO_2 .22 % N_2 1.71 % H_2S _____

GH 3980 P_{CT} 670 (TABLE IX & X) T_{CT} 378 (TABLE IX & X)

Shut in

LINE		1	2	3	4	5	6	7	8
1	T_w(W.H. °R)	534	534						
2	T_s(B.H. °R)	594	594						
3	$T=(\frac{T_w + T_s}{2})$	564	564						
4	Z (Est.)	.797	.806						
5	TZ	449.5	454.6						
6	GH/TZ	8.854	8.755						
7	e^s(Table XIV)	1.354	1.389						
8	P_f or P_s	1661.2	1661.2						
9	P_f^2 or P_s^2	2759.6	2759.9						
10	$P_c^2 = P_f^2/e^s$ or $P_w^2 = P_s^2/e^s$	1975.9	1987.3						
11	P_c or ~~P_{cw}~~	1407.1	1409.7						
12	$P=(\frac{P_w + P_s}{2})$ or $(\frac{P_c + P_f}{2})$	1534.1	1535.5						
13	$P_r = (P/P_{CT})$	2.29	2.29						
14	$T_r = (T/T_{CT})$	1.49	1.49						
15	Z (Table XI)	.806	.806						