

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (~~P_{wf}~~ or P_{ws})

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_g)

COMPANY _____ LEASE C + E ST WELL NO. 1 DATE 6-13-83
LOCATION: Unit _____ Section 16 Township 24S Range 24E
L 2450 H 2450 LH 1.00 G 1.584 % CO₂ 1.513 % N₂ 1553 % H₂S _____

GH 5518 P_{CT} 672 T_{CT} 350
TABLE IX & X 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)	629	629						
3	T = ($\frac{T_w + T_s}{2}$)	582	582						
4	Z (Est.)	1.868	1.859						
5	TZ	504.7	499.5						
6	GH/TZ	10.9	11.0						
7	e ^s (Table XIV)	1.51	1.51						
8	P _f or P _s	3127.2	3127.2						
9	P _f ² or P _s ²	9779.4	9779.4						
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	6490.3	6462.5						
11	P _c or P_w	2547.6	2542.1						
12	P _w = ($\frac{P_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	2837.4	2834.7						
13	P _f = (P/P _{cr})	4.22	4.22						
14	T _f = (T/T _{cr})	1.46	1.46						
15	Z (Table XI)	1.859	1.859						