

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_w)

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

COMPANY Anaco LEASE State I.F. WELL NO. 1 DATE _____

LOCATION: Unit _____ Section _____ Township _____ Range _____

L 8515 H 8515 L/H 1.00 G .60 % CO₂ _____ % N₂ _____ % H₂S _____

GH 5109 P_{CT} 671 T_{CT} 358
TABLE IX & X TABLE IX & X

LINE		1	2	3	4	5	6	7	8
1	T _w (W.H. °R)	513				513			
2	T _s (B.H. °R)	620				620			
3	T = $\frac{T_w + T_s}{2}$	566.5				566.5			
4	Z (Est.)	.91	.905	.903		.902	.903		
5	TZ	515.5	512.68	511.55		510.93	511.28		
6	GH/TZ	9.911	9.965	9.927		9.993	9.993		
7	e ^s (Table XIV)	1.450	1.453	1.454		1.455	1.455		
8	P _f or P _s	899.2	899.2	899.2		899.2	899.2		
9	P _f ² or P _s ²	808560	808560	808560		790677	790677		
10	P _c ² = P _f ² /e ^s or P _w ² = P _s ² /e ^s	557625	556476	556094		543920	543420		
11	P _c or P _w	746.7	745.97	745.12		737.17	737.17		
12	P _c ($\frac{P_w + P_s}{2}$) or ($\frac{P_c + P_f}{2}$)	822.97	822.59	822.96		813.18	813.18		
13	P _T = (P/P _{cr})	1.226	1.226	1.225		1.212	1.212		
14	T _T = (T/T _{cr})	1.582	1.582	1.582		1.581	1.581		
15	Z (Table XI)	.902	.902	.902		.903	.903		