DATA FOR "LIQUID" TEST CALCULATIONS

1. Oil Gravity (G_{roil})		G_{roil}	°API @60°F
2. Reservoir Temperature (T_f)		T_f 180°	°F
3. Oil Saturation (S_o)	Logs or Core Analysis	S_o	%
4. Gas Saturation (S_g)	Logs or Core Analysis	S_g	%
5. Water Saturation (S_w)	Logs or Core Analysis	S_w	%
6. Pressure Standard Conditions (P_{sc})	Table #	P_{sc}	P
7. Reservoir Pressure (P_i) = P_____ Psig + P_{sc}_____	EST	P_i 7285	Psia
8. Final Flow Pressure (P_{wf}) = P_{wf}_____ Psig + P_{sc}_____ PSI		P_{wf} 1425	Psia
9. Gas Oil Ratio (GOR) (a) Sample Chamber: GOR = (159,000 X Gas_____ Ft^3) ÷ Oil_____ C_c (b) Surface Rate: GOR = Gas Rate_____ Scf/day ÷ Oil Rate_____ Bbls/day		GOR GOR	Ft^3/Bbl Ft^3/Bbl
10. Bubble Point Pressure (B_{pp})	Chart #	B_{pp}	PSI
11. Oil Viscosity (μ_o)	Charts #_____ & _____	μ_o 1.0	Cps
12. Oil Formation Volume Factor (B_o)	Chart #	B_o 1.0	Bbls/Bbl
13. Oil Comprenssibility (C_o)	Chart #	C_o X10⁻	PSI^{-1}
14. Gas Compressibility (C_g)	Chart #_____ $C_g = C_r$_____ ÷ P_r_____	C_g X10⁻	PSI^{-1}
15. Water Compressibility (C_w)		C_w 33 X10⁻⁶	PSI^{-1}
16. Rock Compressibility (C_f)		X10⁻	PSI^{-1}
17. Total Compressibility (C_t) C_t = (S_o_____ dec X C_o_____ X10⁻) + (S_w_____ dec X C_w_____ X10⁻) + (S_g_____ dec X C_g_____ X10⁻) + C_f_____ X10^{-1}		C_t X10⁻	PSI^{-1}
18. Oil Production Rate (Q_o) (Rate Calculation Sheet 1 or 2)	Q_o _____ Bbls/day X B_o _____ Bbls/Bbls =		R Bbls/day
19. Gas Test Rate (Q_g) (Surface Measurement)		Q_g	Mcf/day
20. Water Production Rate (Q_w) (Rate Calculation Sheet 1)		Q_w 1.1	Bbls/day
21. Porosity (ϕ)		ϕ .05	%
22. Net Zone Thickness (h)		h 28	Ft
23. Wellbore Radius (r_w)		r_w 19.14 In	Ft
24. Flow Time (T)		T 10<	Min