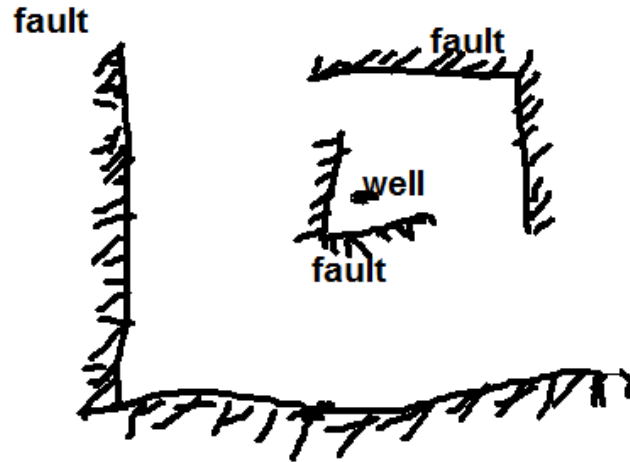


Well test Exam

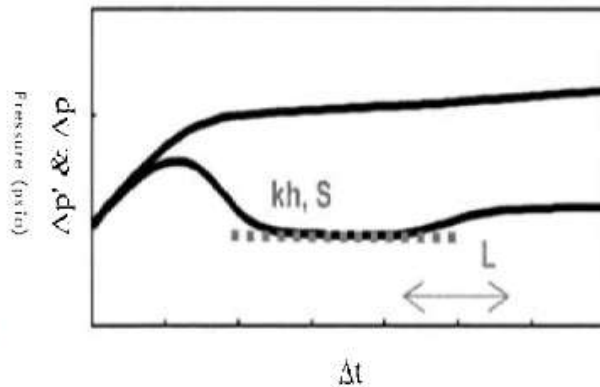
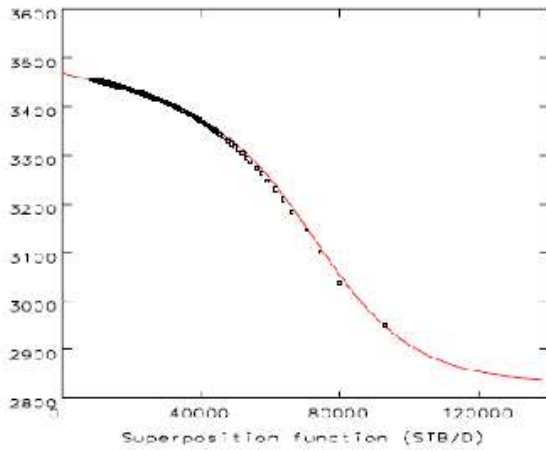
1-Drew Hydraulic fractured well in plot exactly same as following, And give us log-log paper to draw shape of Boundary (fault effect) in Derivative plot;
And also ask to write name of flow regimes.



2-He drew figure of sealing fault in semi-log and Type curve plot and ask to calculate reservoir parameter and also if possible calculate the distance of well to fault.

(He will give you all formula for dual porosity and fault calculation)

(Note: That was a little like Unrestricted dual porosity model)

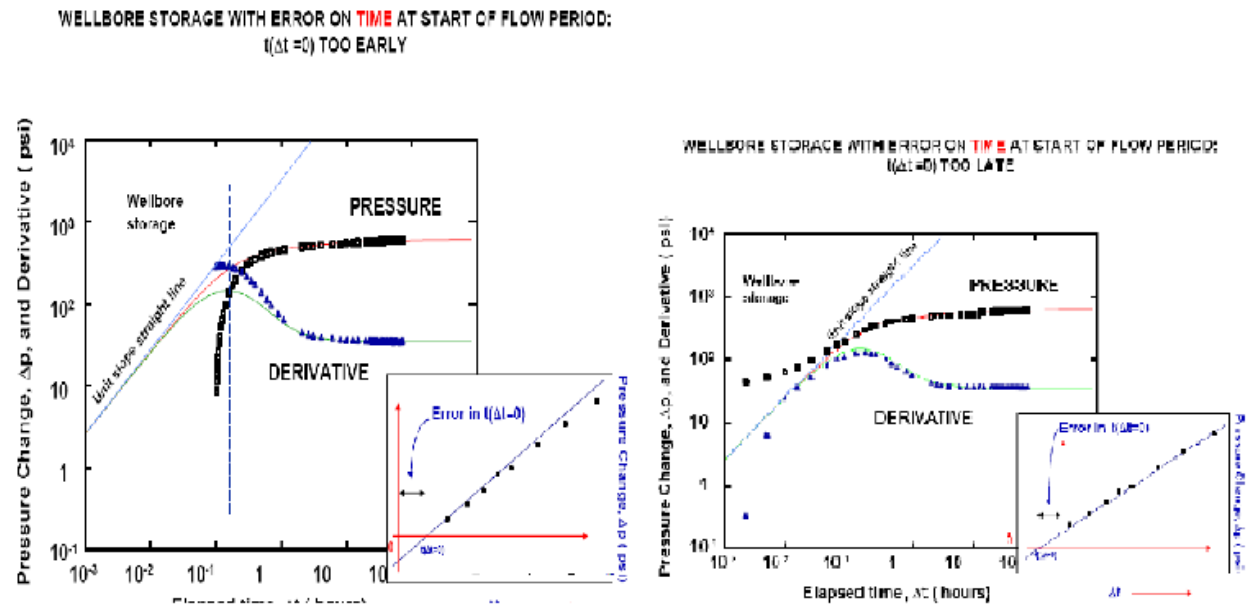


3-Write 6 basic assumptions in Doul porosity model for well test analysis.

Answer: page 117 "well test" by Bourdet

4-Plot wellbore storage with ERROR on TIME at start of flow period for $t(\Delta t=0)$ Too EARLY
 And TOO LATE

Answer: in lecture note.



5- Plot Influence of ω (dual Porosity model) in semi-log plot.

Answer: page 130 “well test” by Bourdet

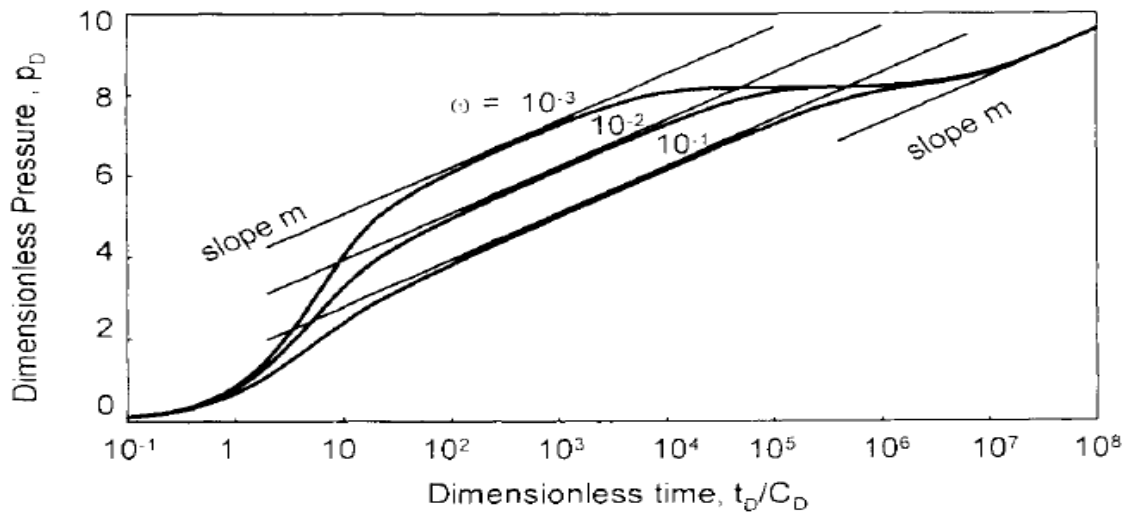


Figure 4.8. Influence of ω on semi-log plot of the Figure 4.7 examples.