Naturally Fractured Reservoirs
STUDY OF WETTABILITY ALTERATION MECHANISMS BY SURFACTANTS

Shahab Gerami, Fall 2010

PDE 1-D displacement of oil with gas

$$\frac{\partial}{\partial t}\left[\frac{Kz\,Kro}{\mu_o}(\Delta\rho g - \frac{dPc}{dz})\right] = \phi\frac{\partial So}{\partial t} \qquad (1)$$