

This article interests itself to the study of the behaviour of shale that one essentially meets in certain layer of coal and concern on the phenomenon of swelling. Our contribution will concern to propose a intrinsic law of behaviour of the material deduced of phenomenological manner of results of specific tests of swelling under pressure and capable to predict the results of tests of swelling pressures. Thus, with the same law of behaviour that takes in amount the kinetics of swelling under pressure, one can not only predict the deformations of free swelling but as pressure that take when the swelling are prevented completely or partially.