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Development of test methods for rock evaluation parameter extraction that assume to inject CO_2MB

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In this study examined development of test methods for rock evaluation parameter extraction which assume a method to inject CO_2MB to a non-structural aquifer.This is one of the concrete methods.I draw subsurface water and I mix CO2MB with the subsurface water and reduce it to its elements in the stratum.In a process of pumped up water subsurface water and inject CO_2MB, as for the restriction condition of the horizontal direction of the bedrock, it is thought that displacement is in condition not to change. Therefore, I perform this experiment in a K_0state.I understood that I could build a stable K_0state by controlling a confining pressure in circum displacement meter from a result provided in the final examination.I understood that I could evaluate a volume compression coefficient, a volume coefficient of expansion and axis distortion recovery rate.

Keywords: CO2, Micro bubble, K0 experiment