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AXIALLYSYMMETRIC PROBLEM ON A CYLINDRICAL GRYPHON

Abstract

The process of development of axiallysymmetric gryphons, moving along a casing in rock around a drilling well is considered. The field of a pressure at the neighbourhood of gryphon and coefficient of intensity of a singularity of pressure at the front a gryphon, criteria of growth of a gryphon are defined. The solution of a problem is necessary for the scientifically-grounded estimation of hazard of gas coning with a high formation pressure behind a casing.