

Abstract

The Intercalary Continental aquifer generally called Albian aquifer constitutes the main geothermal resource in South Algeria.

Additionally it represents the biggest water reserve in the world.

Albian aquifer is used since centuries, especially in the areas where it levels like Tidikelt Touat and Gourara. But however in other areas where this aquifer is deep and whose water is hot, the exploitation of the aquifer is rather difficult. As the only geothermal resource in southern Algeria, the Albian aquifer has a lot of interest from geothermal point of view; therefore good knowledge of the different routes of its exploitations is necessary to facilitate future applications of geothermal in the Saharan regions. The present article gives an overview about various modes of exploitation of the Intercalary Continental aquifer and the major problems which have occurred during exploitation. Finally is added discussion about the main applications of geothermal energy in South Algeria based on projects completed or in progress