

Research on Hydrogeological Features of Underground Hot Water and Prediction of Yield of Well of the Mianhuakeng Uranium Deposits

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Abstract Underground hot water was first discovered since the completion of Mianhuakeng uranium deposits. It was pointed out that the underground hot water supply, runoff, drainage conditions; geothermal formation conditions, underground hot water occurs in complex hydrogeological conditions in the fault zone common silicification, chlorite, etc. Hydrothermal alteration phenomena of communicating deep magmatic heat provides a good channel; Hydrogeological analogy Law Act of mine water inflow forecast indicated that hydrogeological conditions exploration area is medium type.

Keywords underground hot water, hydrogeological conditions, inflow, Mianhuakeng uranium deposits