

of Geothermal Reservoir Modelling for On-Site Inspection Drilling

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Results of a geothermal research project aimed to model structural controls of a geothermal reservoir located in the Kenyan Rift Valley will be presented. The geothermal reservoir model developed through several modelling software, using reservoir parameters like rock types, permeability, porosity and pressure distribution obtained during exploration and drilling will be based on a wide range of geophysical, geological, geochemical and geospatial data. The results of the geothermal project will be presented, drawing parallels to the planning and execution of a drilling proposal as a part of an on-site inspection (OSI). Based on the findings of an OSI, the inspection team may propose drilling. To ensure the reaching of the drilling targets in a time-sensitive manner, and with safe drilling operations, the drilling plan is expected to be based on extensive surface and subsurface data acquisition and interpretation. Based on the presented geothermal reservoir modelling approach, recommendations will be made for what should be taken into account in the preparation of the OSI drilling proposal.

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Promotional text

The results of a geothermal reservoir modelling project will be presented drawing parallels to the planning and execution of a drilling proposal as part of an on-site inspection.

Oral preference format

in-person

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