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GeoTHERM
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Freitag, 1. März 2024, 15.00 Uhr
Baden Arena Kongress 1 – Tiefe Geothermie

Friday, 1 March 2024, 3.00 pm
Baden Arena Congress 1 – Deep Geothermal Energy



Successful Planning and Drilling of Forked Injection Wells at Sorik Marapi Geothermal Project

Erfolgreiche Planung und Bohrung von Forked Injection Wells im Geothermieprojekt Sorik Marapi

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If carefully planned and completed successfully, a forked well can be lower cost than two separate penetrations from surface and increase injection capacity per-wellhead connection. Two forked wells were successfully completed at Sorik Marapi Geothermal Project (SMGP). These wells were forked using time drilling and without whipstocks or cement plugs. Competent geologic conditions at SMGP contributed to the success of this approach. In this paper, we discuss the well design and the steps taken to manage risk during the forking operation. The key to successful risk management with the collaboration between drilling and geoscience personnel to develop a robust wellbore evaluation and operational program. This program is described herein. We present the SMGP wells as operational case studies, and conclude by describing the cost and permeability implications of forking.