

Accepted Manuscript

Optimum control parameters and long-term productivity of geothermal reservoirs using coupled thermo-hydraulic process modelling

Musa D. Aliyu, Hua-Peng Chen



PII: S0960-1481(17)30417-2

DOI: [10.1016/j.renene.2017.05.032](https://doi.org/10.1016/j.renene.2017.05.032)

Reference: RENE 8795

To appear in: *Renewable Energy*

Received Date: 29 October 2016

Revised Date: 2 May 2017

Accepted Date: 8 May 2017

Please cite this article as: Aliyu MD, Chen H-P, Optimum control parameters and long-term productivity of geothermal reservoirs using coupled thermo-hydraulic process modelling, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.05.032.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Optimum control parameters and long-term productivity of geothermal**
2 **reservoirs using coupled thermo-hydraulic process modelling**

3
4 **Musa D. Aliyu¹ and Hua-Peng Chen^{1*}**

5 *¹Department of Engineering Science, University of Greenwich, Chatham,*
6 *Kent ME4 4TB, U. K.*

7 *Email: m.d.aliyu@greenwich.ac.uk*

8 **Corresponding author: H.Chen@greenwich.ac.uk*
9

10 **Highlights:**

- 11 • Three-dimensional numerical modelling of coupled thermo-hydraulic processes;
12 • Modelling of heterogeneous geothermal reservoir with discrete fracture;
13 • Investigation on the influence of human control parameters on reservoir productivity;
14 • In-depth understanding of controlling geothermal reservoir during exploration/
15 exploitation.

Download English Version:

<https://daneshyari.com/en/article/4926121>

Download Persian Version:

<https://daneshyari.com/article/4926121>

[Daneshyari.com](https://daneshyari.com)