

Accepted Manuscript

Fracture flow due to hydrothermally induced quartz growth

Tobias Kling , Jens-Oliver Schwarz , Frank Wendler ,
Frieder Enzmann , Philipp Blum

PII: S0309-1708(16)30470-5
DOI: [10.1016/j.advwatres.2017.06.011](https://doi.org/10.1016/j.advwatres.2017.06.011)
Reference: ADWR 2871



To appear in: *Advances in Water Resources*

Received date: 23 September 2016
Revised date: 29 May 2017
Accepted date: 8 June 2017

Please cite this article as: Tobias Kling , Jens-Oliver Schwarz , Frank Wendler , Frieder Enzmann , Philipp Blum , Fracture flow due to hydrothermally induced quartz growth, *Advances in Water Resources* (2017), doi: [10.1016/j.advwatres.2017.06.011](https://doi.org/10.1016/j.advwatres.2017.06.011)

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.

Highlights

- Fracture flow due to hydrothermally induced quartz sealing structures is simulated.
- Hydraulic fracture properties at different sealing stages are discussed.
- An equation is introduced that links fracture geometries and hydraulic apertures.
- 'Needle quartz' fractures reveal flow characteristics of a porous media.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5763732>

Download Persian Version:

<https://daneshyari.com/article/5763732>

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