


CORRECTION

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Correction to: Flow-through experiments on the interaction of sandstone with Ba-rich fluids at geothermal conditions

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article

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After publication of the article (Orywall et al. 2017), it has been brought to our attention that there are a number of errors. The authors have listed them below.

In the “Rock–mineralogical analysis” section, the 8-mm-thick layer is given with an incorrect unit. Instead, it should be 8 nm.

In the “Flow-through rock; Precipitations of secondary mineral phases” section, the issues of the following sentences are incorrect:

During investigation with SEM, some spherical structures were observed that only occur in some of the reacted samples (Figs. 18, 19) as small spheres with diameters of < 1 μm . They grew on the surfaces of sandstone minerals, also including the newly formed barite in the pore spaces. The article should instead read: “During investigation with SEM, some spherical structures were conspicuous, which only occur in some of the reacted samples (Figs. 18, 19) as small spheres with diameters of < 1 μm . They were observed on the surfaces of sandstone minerals, also including the newly formed barite in the pore spaces.”

Additionally, the following sentence is incorrect: “Energy dispersive XRF measurements with the SEM reveal, that these phases consist of O (53.27 wt%), Si (30.12 wt%), and C (15.57 wt%).” It should instead read: “Energy dispersive X-ray measurements of these phases laying on an SiO_2 -surface result in a distribution of O (53.27 wt%), Si (30.12 wt%), and C (15.57 wt%). The residue to 100% can be attributed to the sputtering materials Au and Pd.”

For the following figures the legends need to be corrected:

Figure 8 is a BSE image instead of an SE image.

Figure 18: SEM (SE image) of barite with spherical phases in the surrounding area, sample 10.1 (20 °C/200 bar). Instead of: SEM (SE image) of barite covered with spherical phases, sample 10.1 (20 °C/200 bar).

Figure 19: SEM (SE image) with numerous spherical phases and a centered barite crystal, sample 7.2 (PV07; 60 °C/20 bar). Instead of: SEM (SE image) of barite with numerous spherical phases formed on its crystal phases, sample 7.2 (PV07; 60 °C/20 bar).

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