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Erratum to: Modeling reactive flow dynamics of gelled acid in fracture-vuggy carbonates: a coupled thermal-hydrological-chemical simulation

Erratum to: Science and Technology for Energy Transition **79**, 34 (2024) – https://doi.org/10.2516/stet/2024028

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Regarding the article Kong, Liu, Zhang, Yao, Huang, Modeling Reactive Flow Dynamics of Gelled Acid in Fracture-Vuggy Carbonates: A Coupled Thermal-Hydrological-Chemical Simulation, *Science and Technology for Energy Transition* 2024, 79, 34, published on June 11, 2024, unfortunately, some corrections were missed in the production process.

The publisher apologizes for the inconvenience caused.

1. Formula (1) in Section 2.1 (on page 2) should be:

$$\mu_{\text{situ}} = \left\{ \mu_{HCl} + \frac{c_p(\mu_0 - \mu_{HCl})}{c_{p0}} \left[1 + \frac{36v^2}{K\phi} \left(\frac{3n+1}{4n} \right)^{\frac{2n}{n-1}} H^{\frac{2}{n-1}} \times \left(\mu_{HCl} + \frac{c_p(\mu_0 - \mu_{HCl})}{c_{p0}} \right)^{\frac{2}{1-n}} \right]^{\frac{n-1}{2}} \right\} \cdot \exp\left(-\xi \frac{T - T_0}{T_0} \right)$$

2. Formula (7) in Section 2.3 (on page 3) should be:

$$Sh = \frac{2k_c r_p}{D_m} = Sh_\infty + 0.7\mathrm{Re}_\mathrm{p}^{1/2} Sc^{1/3}$$

3. The Pe in line 95 on page 3 should be:

$$P = P_e, \quad \text{on } \partial\Omega_{out}$$

P_e is a representation of the outlet boundary's fixed pressure.

4. The A_{E} in the dimensionless parameter in Chapter 3 should be:

$$A_E = \frac{E_a}{RT_0}$$

5. The simulation results in the paper are circular rather than elliptical. Each of the simulation results in Figures 1, 3, 5, 7, 8, and 9 in the paper should be positively circular, but they are deformed in the paper. (Pages 7, 8, 10, 12, 13, 14).

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