

Erratum

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Variation in peperite textures associated with differing host-sediment properties

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Table 2 in the above article was misleading and unclear as printed. The corrected version is given below:

Table 2. Peperite characteristics observed at Punta China, Baja California, Mexico, with inferred processes of development. More detailed explanations in text

	Fluidal peperites		Blocky, hydroclastic peperites	
Host	unconsolidated micrite, very fine grained	unconsolidated micrite, very fine grained	lithic lapilli tuff breccia, poorly sorted but generally ash-poor	lithic lapilli tuff breccia, poorly sorted but generally ash-poor
Host permeability	very low (millidarcys?)	very low (millidarcys?)	very high (tens of darcys ^a)	very high (tens of darcys ^a)
Host water content	high (40%), diffuse	high (40%), diffuse	high (30%), localized	high (30%), localized
Morphology	Micro-Globular	Globular	Blocky	Dispersed
Peperite fragment shape	small (mm-scale) micro-fluidal	medium (cm-dm scale) macro-fluidal	small (mm scale) angular fragments	large (dm-m scale) angular fragments
Peperite fragment-forming mechanism	fluid interface instabilities	fluid interface instabilities(?)	dynamic stressing granulation	steam explosions
Fluidization pipes	mm-scale only	mm-scale only	meter-scale pipes	meter-scale pipes
Mixing mechanisms	immiscibility, fluidization, "oscillation-pumping"	immiscibility, fluidization, fluid density differences	dynamic, or unmixed	steam explosions, fluidization

^a Permeability estimate for lithic lapilli tuff breccia extrapolated from values for uncompacted modern sands (Pettijohn et al. 1972)