

**Hydrochemical characteristics and evolution of underground brine during
mining process in Luobei mining area of Lop Nur, Northwestern China**

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Including:

Figure S1 to S4;

Table S1

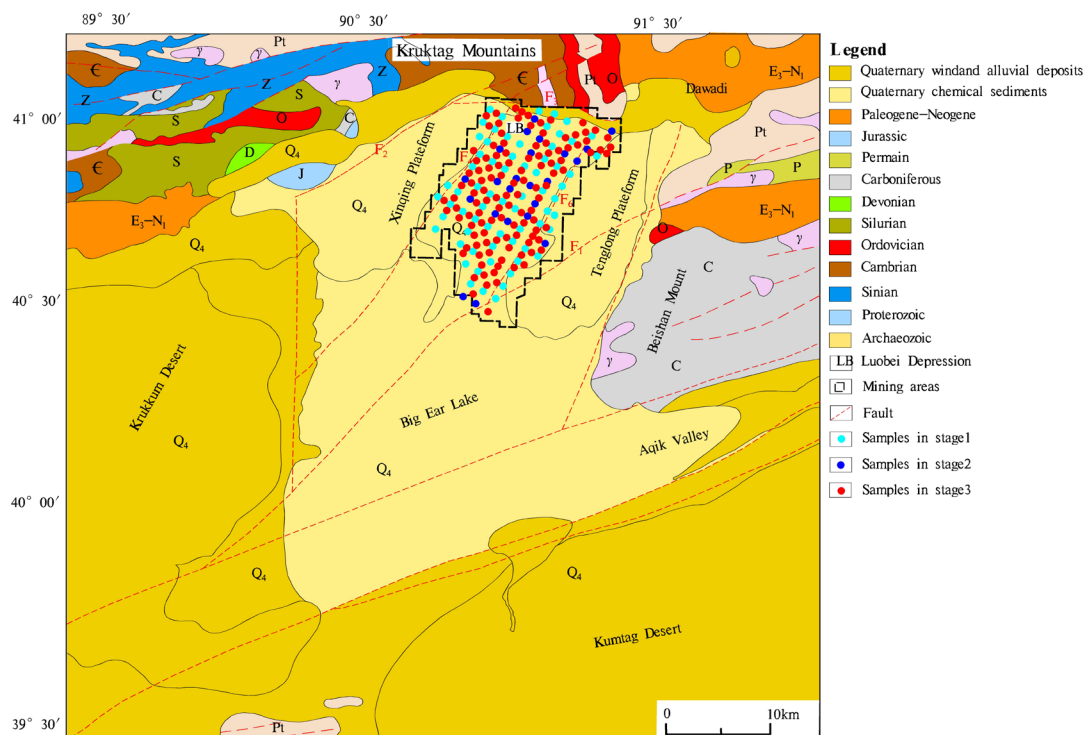


Figure S1. Simplified geological map of Lop Nur Basin .

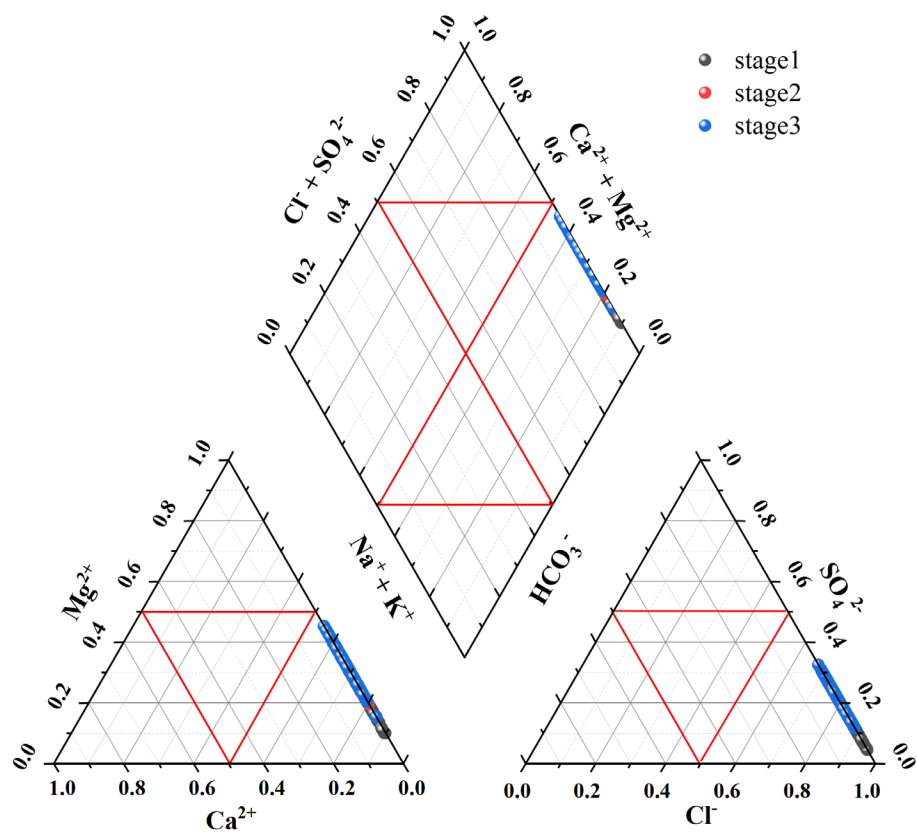


Figure S2. Piper triangle phase diagram of underground brine in the Luobei depression

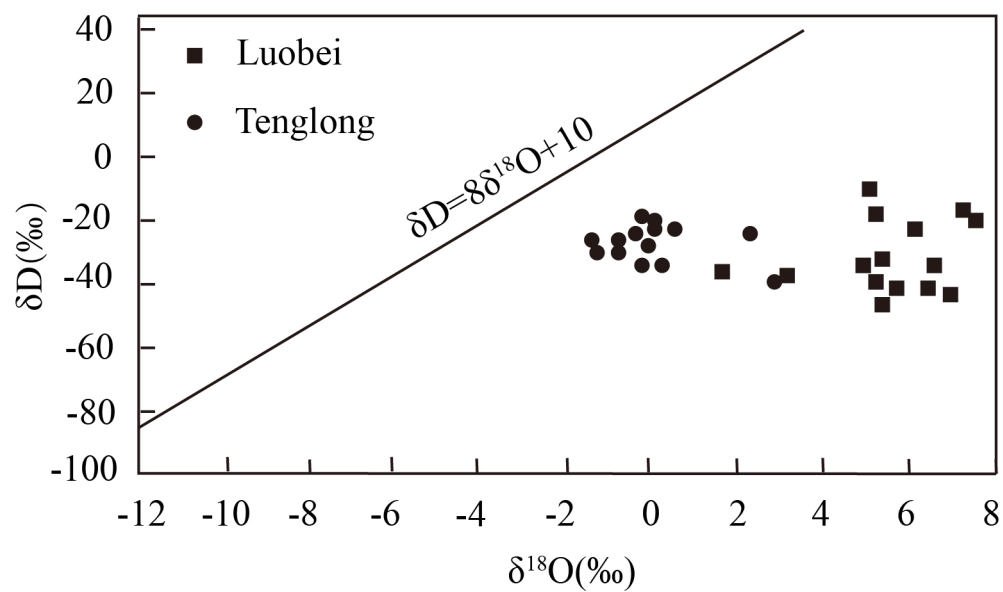


Figure S3. Relationship between δD and $\delta^{18}O$ values underground brine in the Luobei depression and Tenglong Platform.

**Table S1 The $^{87}\text{Sr}/^{86}\text{Sr}$ of underground brines in Luobei mining and Tenglong platform
(Liu et al.,1999; Yang., 2009)**

Source	$^{87}\text{Sr}/^{86}\text{Sr}$					
Tenglong Platform	0.709389	0.70964	0.710285	0.710377	0.710439	0.710505
Luobei Mining	0.7108	0.71073	0.71044			