

Plate 4. Overlying activity diagrams for the Rock Lake Deposit.

- Plate 4-a. Activity diagram showing boundaries between SO_4 and H_2S dominant fields and H_2CO_3 and CH_4 dominant fields.
- Plate 4-b. Activity diagram showing stability fields of native copper (Cu), hematite (he), magnetite (mg), pyrite (py), chalcopyrite (ccp), bornite (bo), and chalcocite (cc).
- Plate 4-c. Activity diagram showing mixing line (line A-C) for one reduced fluid (fluid A) as it flows through the Revett, reacting with hematite and magnetite and becoming increasingly oxidized.
- Plate 4-d. Activity diagram showing mixing curve between reducing fluid (fluid A) and oxidizing fluid (fluid B). Points A and B represent end member compositions of their respective fluids.
- Plate 4-e. Activity diagram showing solubility contours for the chloride and bisulfide complexes of copper.
- Plate 4-f. Activity diagram showing solubility contours for the chloride and bisulfide complexes of silver.
- Plate 4-g. Activity diagram showing solubility contours for the chloride and bisulfide complexes of lead.