

**CARACTERIZACIÓN GEOLÓGICA-METALOGÉNICA DEL DISTRITO
MANGANESÍFERO AMIMÁN. SANTIAGO DEL ESTERO.**

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Abstract

This paper deals with one of the districts of the south of Santiago del Estero Manganiferous Subprovince, emplaced in the Pampean Ranges. The mineralization is represented by the Santa Rita and San Pablo mines, which is in vein breccias and have open-space fill. These are hosted by a regional granitoid with calcoalcaline and peraluminous characteristics. The structures are oriented N-S and have manganese superior oxides, calcite, fluorite, chalcedony and opal paragenesis. INAA and ICP analysis techniques show base metals and other elements as W, B and Co suggesting an hipogenic contribution. The alteration of host rock and the presence of adularia in the core of their quartz crystals indicate the development of a low temperature hidrothermal system. Isotopic data over calcite reveal intervention of meteoric water. Field evidence indicate at least three fracturation and fill events.