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新疆若羌县红十井金矿地质特征及深部成矿预测 [点此下载全文](#)

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摘要:

红十井金矿,产于中、上石炭统基性火山岩和火山碎屑岩中,为受断裂带控制的韧性剪切带型金矿床,属向,在体南侧和中,东段布钻,深部未打到矿体,仅求得0.947t金储量。笔者等经地质构造,矿体空间展布形式研究,预测主体北倾,西挺,南西西侧伏,北东东仰起,在主矿体北侧和中、西段布钻,结果在深部和中、西段增加至10.1t以上,取得了突破性进展。

关键词: [矿体空间展布形式](#) [成矿预测](#) [新疆](#) [韧性剪切带](#) [金矿床](#) [地层](#) [火山岩](#)

Geological Characteristics and Mineralization Prediction of the Hongshijing Gold Deposit, Xinjiang [Download Fulltext](#)

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Abstract:

The Hongshijing gold ore deposit, which occurs in volcanic rocks and pyroclastic rocks of the Carboniferous, is of the brittle-ductile shear zone type controlled by a rift belt. The main orebody is considered to dip south, so drill holes over the south, middle and east parts of the orebody did not reach the orebody. Therefore, only 0.947 tons of gold reserves were obtained. Based on studies of geologic structure of the orebody, thermal and electric properties of minerals and electromagnetic sounding, the authors predict that the orebody is arcuate in shape, extends westwards and dips northwards on the whole. Its WSW part plunges westwards. The results show that drill holes over the northern, central and western segments of the main orebody have encountered gold reserves of over 10 tons.

Keywords: [geology of gold deposit](#) [spatial distribution of orebody](#) [prediction of deep-seated ore deposits](#) [Hongshijing](#) [Ruoqiang](#) [Xinjiang](#)

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