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The Nature of Ore Deposits, Vol. 1 of 2 (Classic Reprint)

By Richard Beck

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Nature of Ore Deposits, Vol. 1 of 2 In a mineralogical sense an ore is a metalliferous mineral or a mixture of such minerals. Practically, however, this definition of an ore must be qualified by the statement that only those minerals and mixtures of minerals are ores from which metals or metallic compounds may be produced on a commercial scale and at a profit. Two examples of equal mineralogic or petrographic value may differ materially: a basalt carrying enough, magnetite to influence the magnetic needle, but yet containing less than 10 per cent of iron, is far from being an iron ore. On the contrary, a vein with a silver content of only 0.5 per cent is an ore deposit, since with this content it is commercially valuable. In the case of a gold deposit the amount sufficient to distinguish a gold ore from barren rock may be even less, for in California and Dakota gold ores with only from 4 to 6 grains per ton of gold are exploited. Hence it is the...



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