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大西沟—银洞子矿田滑塌构造的发现及其地质意义 点此下载全文

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摘要：

大西沟－银洞子矿田由两个相邻的大型矿床组成，西部为大西沟菱铁矿矿床，东部为银洞子银－铅多金属矿 1号矿体中，发现一套典型的小型滑塌构造，其变形层为薄层菱铁矿，非变形层为条带状重晶石岩，两者均为海底 构造的发现表明，在成矿作用过程中两个矿床接合部位存在着一个近南北向水下高地，将沉积盆地分割成两个次级 两个洼的沉积环境和成矿条件，

关键词：滑塌构造 菱铁矿矿床 银 铅 多金属矿床

DISCOVERY AND GEOLOGICAL SIGNIFICANCE OF SLUMP STRUCTURE IN THE DAXIGOU-YINDONGZI ORE
Fulltext

Yan Jincai

Fund Project:

Abstract:

Daxigou-Yindongzi orefield consists of two neighboring large deposits. The Daxigou siderite d western part of the orefield and the Yindongzi silver-lead polymetallic deposit is located in the e orefield. Typical slump structure was found in orebody No, 11 at the juncture of the two deposits. by a thin siderite bed and the nondeformed bed is represented by beded barite rock, both being hot- rocks.Discovery of the slump structure indicates that there would be an underwater highland in the deposits, which divides the sedimentary basin into two depressions and controls the sediemntary env mineralization conditions of the two depressions. Theeastern depression is possibly deeper, in whic into two parts-theupper and lower brine layers. The upper brine layer probably belongs to weaker ox sedimentary environment, forming barite-siderite orebodiee formed. The lower brine layer belongs to sedimentary environment, in which silver-lead polymetallic sulfide orebodies formed. The depth of t believed to be comparatively shallow and the sedimentary environment may be similar to that of the eastern depression , in which barite-siderite/magnetite orebodies are formed, Shaanxi Province.

Keywords:slump structure siderite deposit silver-lead polymetallic deposit Daxigou-Yin- dongzi

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