

Geological Characteristics of Coalbed Gas in Minhe Basin, in the Western China

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The Minhe Basin, one of the medium-small basins, located in the middle Qilian mountain range, in the Western China. Coal series developed widely in the Jurassic system and the coal bed gas which composed of CO₂, CH₄ and N₂ constitute, enriched to gather in the coal fields, such as Yaojie Coal Mine etc. Explore to develop the potential for the sake of the exploration of the further evaluation coalbed gas, use of the coal field geology data to study the coalbed gas of flat surface distribute the characteristic obvious of perpendicular take the phenomenon separately, and in the Haishiwan well farmland of the south side predicted the beneficial area. Coal bed gas from shallow to deep is taking for the CO₂- N₂ zone, the N₂ zone, the N₂- CH₄ zone, the CH₄ zone respectively. The coal bed gas enrich to gather to mainly be change in character by the coal degree, structure, crest, scale board rock, bury the control of the factors, such as depth and the hydrology geology...etc., and be distribute in to carry on the back much inclined, break high part of a piece of etc.