

Resource Advantages of the Underground Brines of Sichuan Basin and the Outlook of Their Comprehensive Exploitation

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Abstract: Underground brines in Sichuan Basin are found in each stratum from Sinian to Cretaceous. The brines feature the characteristics of broad distribution, resource abundance, high quality, high pressure, and coexistence with gases, which make them as wonderful natural liquid mineral reserves for exploitation. The brines contain many useful components such as potassium, bromine, iodine, boron, lithium, strontium, and rubidium, which are very needy in the domestic market. Their contents generally meet the grades for mining. Therefore, the comprehensive utilization of the brine resources is of great economic significance. It is believed that the outlook for their exploitation is very promising.

Key words: Brine resources; Advantageous mineral; Outlook of exploitation; Sichuan Basin

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