

20.13 **Gas Production Rate - A Significant Index of Industrial Quality Assessment for Oil Shale**

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Through analysis on the industrial indexes of oil shale of Triassic Yanchang Formation of He 1 well in Ordos Basin, it is discovered that there is a good linear relation between gas production rate and oil gas production rate of oil shale; with increasing oil production rate, gas production rate increases proportionally. According to the analysis results of 70 oil shale samples, the average of oil production rate is 5.9%; the average of gas production rate is 3.7%; the average of hydrocarbon production rate is 9.6%. The gas production rate accounts for 38.5% of the hydrocarbon production rate. It shows that gas production rate accounts for a large proportion of hydrocarbon production rate; gas production rate is an important index of industrial quality assessment for oil shale.