## More than Triangle Diagram: Understanding Potential Shale Gas in China

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## **Abstract**

The studies on triangle theory from Masters, Kuuskraa, Holditch and Martin show that the lower quality unconventional resource including inplace shale gas in the bottom position is a vast amount, but successful production of these resources great depends on both integrated
technology and adequate prices. That means the huge resources cannot make sure economic success, for the lower permeability and recovery
reservoir properties. Shale gas in China is the same story. Comparing mineral composition and pore types by triangle diagram to help us find
brittle shale and large storage space capacity, there are also a similar kind of characteristics between productive shale reservoirs although
hydrocarbon resources in different basins are unequally distributed. In this paper, we will deeply understand the growth potential of shale gas in
China in hierarchies for the effects of larger in-place resource, geologic setting and various technological and economic conditions on
advancing activities, initial production and eventually contribute, under great active effort to increase the production and decrease the cost to
face economic challenge in the long term, through the basic context of these triangle diagrams.