

Title:

Evolution on Development of Petrochina Company Limited Oil Shale in DaQing

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With the international crude oil price increasing, oil shale has been becoming an important source to be developed and utilized after 1990s. By geologic reconnoitering, China has an abundance of oil shale resources. The oil resources of oil shale amount to more than 47.6 billion tons and recoverable volume of more than 12 billion tons in the new national evolution result in 2006.

Petrochina Company Limited has been engaged in oil shale evolution from 2005. Up to now, good news shows that the resource of oil shale is 29 billion tons in LiuShuHe Basin. The oil rate is about 7% to 19%, but the water rate is high, about 4% to 25%, the heat stability is not very good, and the grain is very small. FuShun process is suited to grain from 8mm to 75mm. So the oil shale can not use FuShu process to retort. Petrochina Company Limited has planed to build a model plant with 30 thousand oil shale capacity a year in LiuShuHe Basin.

This paper introduces the oil shale resources in LiuShuHe Basin, and some retort process suited to the oil shale. This is the first Petrochina Company's development project, and it will play an important role in the development of China oil shale.

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