

Petroleum Engineering

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Kazakhstan oil basins

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Petroleum products play an important role in economic development of any nation. At present oil producing sector takes a leading position in the structure of national economy of Kazakhstan. Kazakhstan's oil producing sector is quickly developing. Crude oil production grew from 40 in 2001 to 80 million tons in 2015 i.e. for 2 times.

The oil and gas basins of Kazakhstan can be grouped into four revealed or prospective oil and gas provinces in the Republic of Kazakhstan. They are:

- The Pre-Caspian Basin lies in the western part of the country, behind the Mugodzhary Mountains. The geology of this province is made up of Paleozoic sediments covering a Proterozoic basement.
- The Mangistau-Usturt Basin lies in the Mangistau and Aqtobe areas of Kazakhstan.
- The Central Kazakhstan Basin lies in the eastern and southern areas of Kazakhstan.
- The Western Siberian Basin is in the northern and northeastern region of Kazakhstan, north of the Kokshetau Mountains. The geology is of a platform type, with a Mesozoic cover overlying a Paleozoic basement.

Also, in the territory of Kazakhstan discovered huge amount of oil sands, which accumulated in over 50 fields. Its reserve is more than conventional oil of Republic. These oil sands resources are called unconventional oil to distinguish them from oil which can be extracted using traditional oil well methods. Oil sands situated in Western part of Kazakhstan, such as Aqtobe, Atyrau and Mangistau regions.

Biography

Nurkadyr Mansurov is Bachelor student of Kazakh-British Technical University, Faculty of Oil and Gas Industry. He has completed Republic specialized physical and mathematical school in Almaty. He is the silver winner of the International Competition of Scientific Projects on Physics, Baykonr, Kazakhstan, 2015. He has published 3 papers in Proceedings of International Scientific Conferences. He is interested in Petroleum Geology, Safety of Environment in Oil and Gas Industry.

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