

Location: The Shakhansky deposit is located in the industrially developed Cherubaynurinsky coal-bearing region of the Karaganda coal basin.

Brief geological characteristics: In 1970-1972, in accordance with the tasks of the Karagandaugol combine, additional exploration of the D8-D6 layers was carried out within the fields of the Shakhanskaya , Stepnaya and Molodezhnaya mines.

All the wells drilled at the sites are located on exploratory profiles oriented mainly across the strike of the coal-bearing strata. Exploratory wells were drilled using ZIF-650A and ZIF 1200A rigs. Alluvium, Neogene and Paleogene deposits were drilled with diameters of 152-131 mm and cased with pipes of diameters of 146/137 and 127/118 mm to a depth of 15-70 m. In Carboniferous deposits, a diameter of 92 mm was mainly used for drilling. Coal seams were cut by single and double core barrels of the Daineko I.I. and Kulikov I.F. systems. The average yield of coal core in the fields of the Shakhanskaya , Stepnaya and Molodezhnaya mines is 62%.

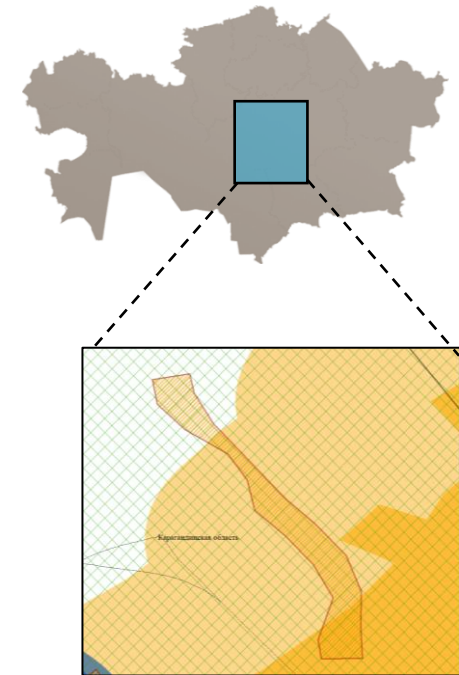
Mine " Shakhanskaya "


The field is extended meridionally along the strike of the layers for 5.5 km. The width of the field is 1.6-1.7 km. In the west, the Shakhanskaya mine borders the Stepnaya mine along reverse fault 1, in the south with the Molodezhnaya mine – along reverse faults 30 and 30a.


Of the 22 faults identified by geological exploration, 18 are concentrated in the northern and northeastern parts and only four in the south. In the northern part of the field, the largest faults, both in length and amplitude, are of the nature of unconformable reverse faults. The remaining faults, no more than 1 km long, are conformable reverse faults and normal faults. Almost all faults have a strike conformable to the strike of the rocks. The mine field is divided into five separate blocks by disjunctive faults: 1 - central, 2 - western, 3 - northeastern, 4 - eastern and 5 - southeastern.

Extract from the state inventory records as of 01.01.2024.

Type of mineral	Balance reserves		Off-balance sheet reserves
Coal		C2 – 1133 thousand tons .	



 - revoked contract of Shakhansky Komir LLP , deposit of coal seam outcrops D6 in the Molodezhny, Stepnoy, Shakhansky sections , **Shakhansky section** (coal). Contract No. 4321 dated 25.07.2016 for mining (revoked in 2020, the inspection report is missing from the Company)

 - licenses for GIN

 - settlement and buffer zone