

The Russko-Komarovske deposit is located 25 km to the north-west from the city of Mukachevo (Transcarpathian region of the Ukraine) and is confined to central part of the Mukachevo depression of the Transcarpathian inner trough. Geology of the deposit is manifested by the rock sequence from Paleozoic to Quaternary.

The deposit forms a gentle brachy-anticline (3.25x4.0 km) cut by tectonic dislocations into blocks with 7 gas accumulations in convex crown beds. Tectonic screened gas accumulations occurred at the depths 936 to 1610 m. Gas samples contain (in percent): methane (61.0), ethane (3.0), propane (0.7), butane (0.3), nitrogen (35.0). Yield of gas flowing through the 5.6 mm membrane varies within 33-38 thousand cubic meters a day.

Probable gas reserves are estimated to be about 2044 mill cubic meters.

The ground water system contains two flows varying in composition from magnesium chloride to sodium hydrocarbonate. Mineralization increases with depth from 9 — 30 gram per liter to 110-140 gram per liter. The „Sojuz“ gas pipeline cuts the deposit, the Urengoy — Pomary---Uzhgorod pipeline being 20 km nearby.

In the vicinity of the deposit, there are located a railway station and highway 3-5 and 2.0 km, respectively. Electric power supply system covers the area of the deposit.

Drink water supply will be governed by water hole drilling.

There is no problem with manpower.

Local administration guarantees the deposit exploration permit to be received without delay.

To minimize man's effect upon the environment protective measures should be taken which include control of pipe systems sealing, sampling of hydrocarbons preventing their release into the atmosphere, utilization and burial of waste waters and recultivation of the terrain. The profit of the joint venture is guaranteed by a great need of natural gas for local industry.

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