

The deposit is located 20 km to the east of the city of Poltava in the central part of the Dnieper **graben**.

Geology of the deposit is manifested by sediments from the Middle Carboniferous to Quaternary. The deposit within the contour line — 4850 m covers an area of **9X5** km.

Commercial gas accumulations are discovered in the lithologically screened beds of the Upper and Middle Carboniferous occurring at depths from 4420 to 5062 m.

Natural gas contains (in %) methane (**85—92**), ethane (3-1 l), propane (**0.6—5.6**), helium (0.01-0.05). The content of gas condensate varies from 106 to 122 **g/m³**.

The deposit has a yield of 40-77.5 thousand cubic meters of gas a day. Probable reserves are estimated as 1109.0 million cubic meters of gas.

The production of condensate, accompanying gas, with possible estimated reserves of 1084 thou tons amounts to 573 thou tons.

The ground water system consists of two zones: zone of carbonate waters in actively yielding Cenozoic-Lower **Cretaceous** rocks with mineralization of 1.5-2.0 g/l and zone of restrained chloride water yielding and mineralization of 120 g/l.

The region has a well-developed infrastructure. In the vicinity of the deposit there are located a railway station and electric power supply station, 5 **and** 7 km, respectively. The electric power supply system and gas pipeline are running nearby, 1.5 km and 200 m, respectively.

There is no problem with manpower. Drink water supply will be governed by water hole drilling. The permit for deposit exploration will be received from local administration in due time. Besides investments foreign owners may provide required machinery and equipment for liquefaction and processing of gas and condensate, casing, tubing strings, etc.

To minimize man's effect **upon** the environment protective measures should be taken which include control of equipment sealing, sampling of gases preventing their release into the atmosphere, utilization and burial of waste waters and recultivation of the terrane.

Top quality of gas, favourable location of deposit, great demand for gas at domestic and foreign markets guarantee success of the joint venture.

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