

Problem 11	Hydraulic calculation of the oil and gas gathering system
The essence of the problem	The oil and gas gathering and transportation system in the field at the current production rate requires recalculation of the hydraulic parameters of the system. There is a discrepancy between the initial design data of the oil and gas gathering system and the actual performance of the system. As a result, the gathering system units operate inefficiently and energy resources are wasted. It is necessary to recalculate the system in terms of pressure, flow capacity, diameters, pressure losses
Technological parameters	The system should be partially automated and operate according to the current pressure and capacity values.
Scale of the problem	The problem is characteristic of both fields in general, due to increasing water cut and gas factor.