

Problem 12	Throughput capacity of the collector through the culvert (under the river pass)
The essence of the problem	When pumping oil from the northern part of the field, the capacity of 325 and 219 mm diameter manifolds does not allow pumping the entire volume of production due to possible sediments in the area of the culvert passing under the river Zhem. The pressure in the collectors in the northern part of the culvert increases to 20-25 atm in winter.
Technological parameters	The pressure in the collectors during oil pumping should not increase and should be within 5 atm.
Scale of the problem	Inability to pump the entire volume of well products from the northern part of the field, well shutdown, failure of process equipment.