

Problem 21	Replacing a leaking gate valve on a well without shut-in it
The essence of the problem	The well is operating in the gushing method and its shutdown with shut-in for repair of the gate valve is undesirable, because the well may not return to the previous regime afterwards.
Technological parameters	It is necessary to repair the gate valve without killing the flowing well with current oil flow rate of 33 tons per day. Wellhead pressures Pp-80 atm, Pan-96 atm.
Scale of the problem	If the well is plugged with liquid, high gushing flow may be lost.