

Abstract

The diploma work is devoted to development and research of processes of crude oil dewatering. Oil recovery is accompanied by undesirable oil watering, which causes corrosion of pipelines and equipment. Therefore, it is necessary to dehydrate the oil by mechanical and physicochemical methods. During the work, experimental studies of the thermochemical method of oil dewatering were carried out. The automatic control of technological process based on TIA Portal was developed for dewatering crude oil.