

This invention relates to the branch of oil extraction, in particular through support of pressure in productive layer by artificial watering. The extraction method proposed provides pumping-in water solution through pump-in wells to layer with simultaneous oil extraction through extraction wells. One effects water solution with direct electric current through voltage supply to electrically connected to each other coupled electrodes. Those are installed separately in pump-in and extraction wells at level of productive layer. One varies polarity of voltage at electrodes with interval from 1 to 100 days. Alkaline and acid media that in sequence emerge in water solution at current pass dissolve carbonates and wash filtration channels of productive layer and zones close to the well. Thus oil extraction is increased.