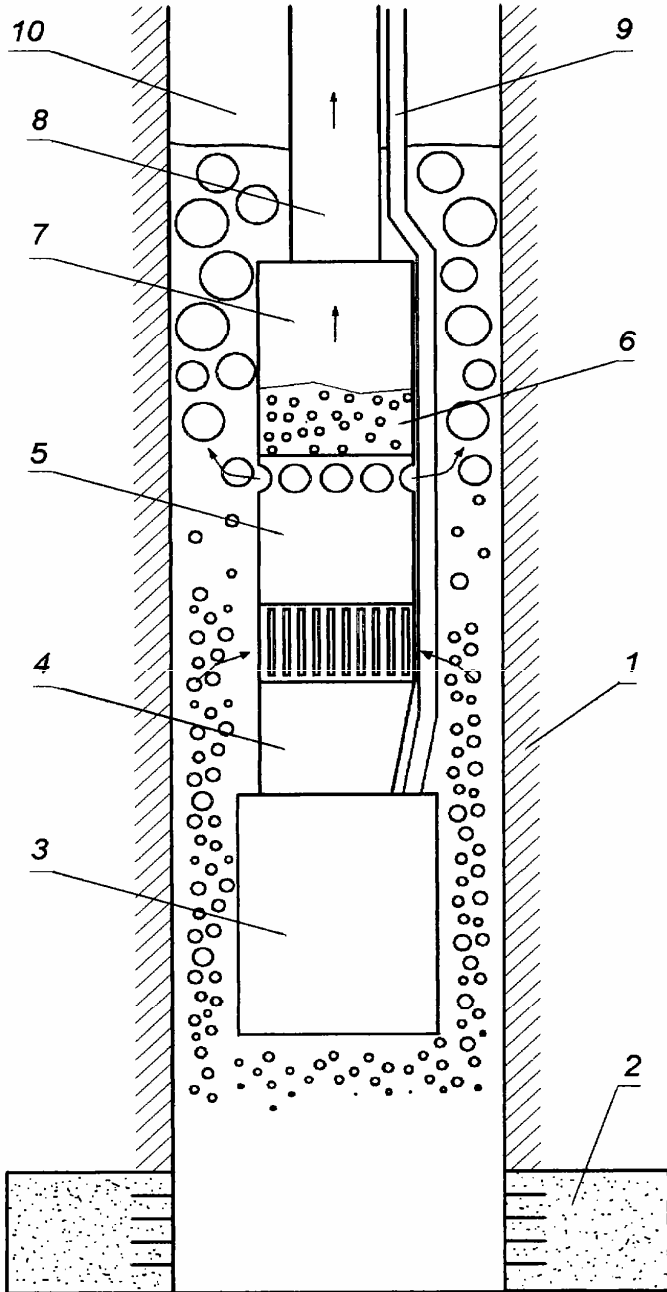


№2232301

FIELD: oil industry; production of oil from oil wells at high gas factor.

SUBSTANCE: proposed pumping unit includes submersible electric motor with

hydraulic protection, gas separator, disperser and submersible pump. Gas separator



includes cavern-forming bladed wheel and separating drum provided with fins; trailing edges of blades of cavern-forming wheel are located at axial distance from leading edges of fins of separating drum ranges from 0.05 to 0.25 of outer diameter of separating drum and disperser is made in form of stages provided with stators-bushes and rotors located inside stators-bushes; surfaces of engagement of stators-bushes with rotors are provided with projections and recesses.

EFFECT: extended functional capabilities due to intensification of dispersion of gas-and-liquid mixture and reduced volume of free gas.

9 cl, 9 dwg

Фиг. 1