



Technical Data Sheet

Acidic stimulation.

Production wells.

Flow diverters

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Subsidiary Companies





Acidic stimulation. Production wells. Flow diverters

One of the main methods of the stimulation of oil and gas recovery is acidizing in production wells. Conventionally HCl-based acid stimulation fluids are used for this purpose. The treatment of this kind provides permeability improvement and formation stimulation due to the forming of high-conductivity pathways.

In the conditions of high water-cut of produced fluids especially at the mature fields to increase the efficiency of acidizing jobs it is recommended to apply some flow diverting chemicals in the process of acidizing.



Chemicals and technologies for acid stimulation in production wells:

1. Stimulation of oil and gas recovery in production wells in carbonate and terrigenous reservoirs with the application of acid stimulation fluid **FLUXOCORE®210**, **FLUXOCORE®212**, **KSPEO-2**, **KSPEO-4**.
2. Stimulation of oil recovery in carbonate and terrigenous reservoirs in the wells producing oils apt to precipitation at contact with acids. Treatment with acid stimulation fluid **FLUXOCORE®201**.
3. High volume acidizing of production wells in carbonate reservoirs with acid stimulation fluids **FLUXOCORE®210**, **KSPEO-2**.
4. Stimulation of oil and gas recovery in production wells in the condition of surplus of ferric iron. Treatment with acid stimulation fluid with superinduced acid fluid modifiers **MK-7** or **ACIRONIX®-IRON**.
5. Cleaning of downhole equipment from asphaltene, resins and paraffin deposits with **POLIPAV** chemical prior the acidizing with stimulation fluids.

Flow Diverting Chemicals

6. Acid stimulation of oil and gas recovery in highly drowned (watercut up to 98%) production wells with preliminary water shutoff with sediment forming agent **TAMOLEX®**. The technology is applicable at high temperatures.
7. Acid stimulation of oil and gas recovery in highly drowned production wells with preliminary blocking of thief interlayers with hydrocarbon emulsions formed with the help of emulsifying agents **EKS-EM** or **EMITRIT®** (at higher temperatures).
8. Acid stimulation of oil and gas recovery in carbonate fractured reservoirs with temporary blocking self-degrading water-based system containing fiber extender **EXTELINT®** and **VES SURFOGEL® grade D**. The application of the system allows to divert selectively the amounts of stimulating acid fluids and to cover low-permeability zones of formation with acidic treatment.
9. Stimulation of oil and gas recovery with self-diverting acid stimulation system **FLUXOCORE®210 grade C** with gelling agent **SURFOGEL® grade A**.