



**Research and production
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Technology POLY-VUS

Limitation of the inflow of injected and reservoir waters in producing wells (selective water isolation) with viscoelastic compositions (VUS) based on water-soluble polymers.

Appointment:

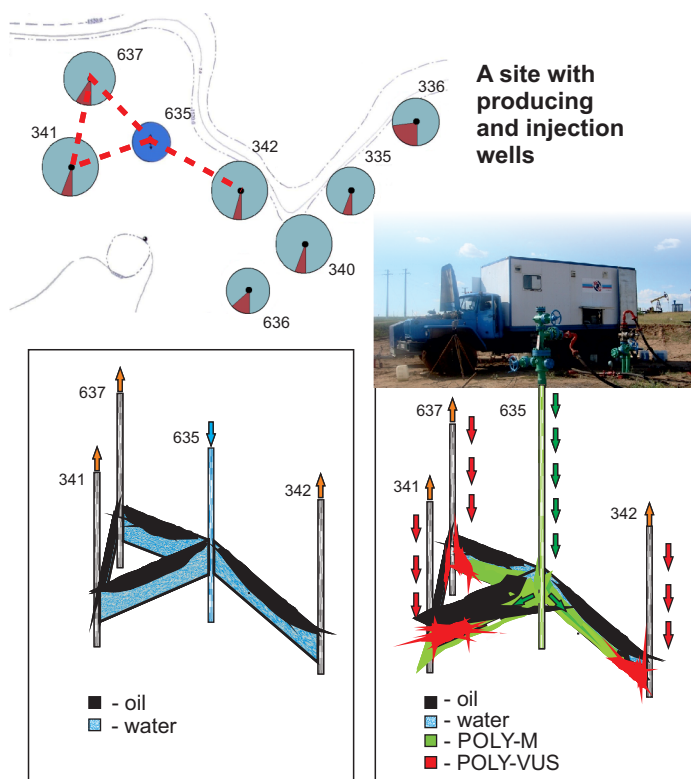
- Shutdown of washed (exhausted) intervals of an inhomogeneous formation
- Elimination of the breakthrough of injected waters on highly permeable interlayers (layers)
- Disconnection of plantar waters as a result of cone formation

Scope of application:

- Terrigenous and carbonate reservoirs
- Permeability of at least $100 \cdot 10^{-3} \text{ mm}^2$
- The temperature in the installation area of the hydraulic screen is up to 90°C .
- Mandatory tightness of the casing operational columns

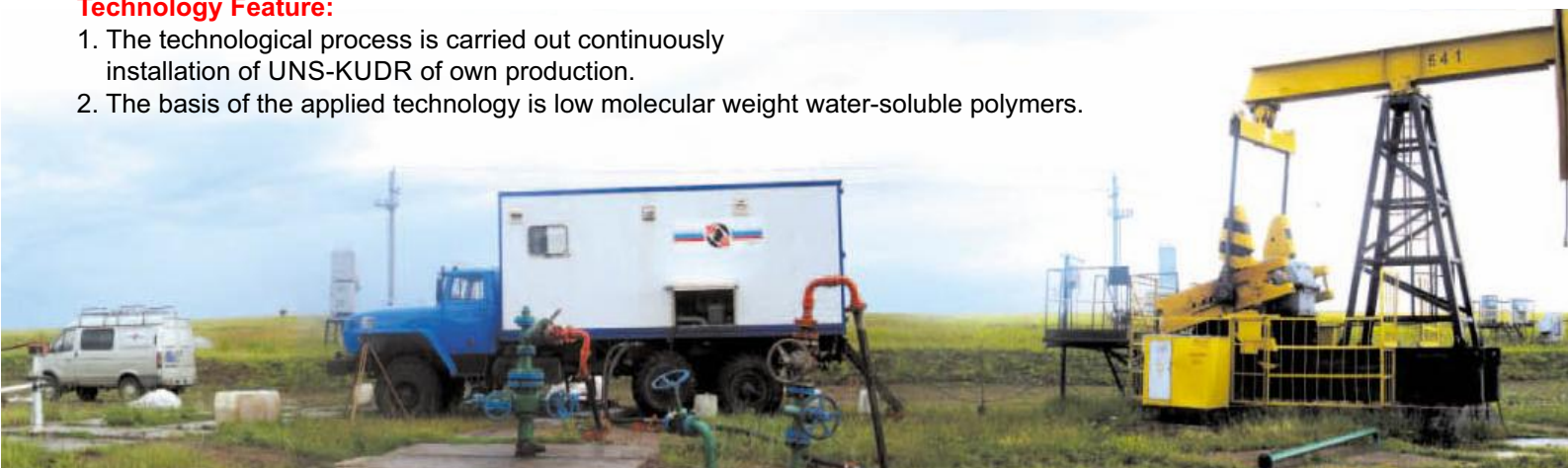
Basic properties:

- Adjustable induction gelation period (5~20 hours)
- High rate of solution-to-gel conversion (0.5~1.5 hours)
- Selectivity of penetration
- High shear pressure gradient (up to 10.0 MPa/m)



Technology Feature:

1. The technological process is carried out continuously installation of UNS-KUDR of own production.
2. The basis of the applied technology is low molecular weight water-soluble polymers.



The control and monitoring system of the installation allows the preparation and injection of compositions in semi-automatic and manual modes