

Anton Gravel Packing Technology

Gravel pack is an effective sand control technology for unconsolidated sandstone heavy oil reservoirs, high argillaceous reservoirs, and fine sand sandstone reservoirs, also it can transform formation to increase production. Anton provides integrated professional sand control technology services, with a comprehensive sand control product, equipment, and supporting base, has a complete R&D team and standardized field service teams.

Through technological innovation, Anton formatted a series of gravel packing technological achievements: "High-pressure gravel packing", "Horizontal wells OH & casing inner gravel packing", and "Steam injection thermal recovery integrated sand control technology".

Principle

Pumping slurry with proppant to screen outer annulus, slurry firstly flow into the reservoir and pack near wellbore area, and then pack screen outer annulus to form steady sand bridge.

Applications

- Vertical wells, Directional wells, Horizontal wells.
- Single or multilayer formation wells.
- Reservoir nature nearly and no mud loss or slight loss wells.

Advantages

- Widely sand bridge area in annulus and reservoir makes better sand control effect and longer period.
- Broking down formation to improve the near wellbore permeability, reduce production fluid flow resistance, and increase well production.
- One trip string to complete the job to cut workover period and reduce operating costs.

Achievements

- Independent R & D, having numbers of patents.
- Professional sand control design and field service capabilities.

Performance

- Over 5,000 wells global application in most sandstone reservoir oilfield in China and also successfully applied in Iraq, Colombia, Pakistan and Africa area.

