



Key Technology

- Downhole intelligent control device is the core, which adopts integrated structural design and integrates downhole tools, measurement and control modules;
- The ground equipment is the key interface of control and data transmission, which is composed of a controller and intelligent calibration equipment. Perform downhole data reading and parameter setting, check and recalibrate parameters of downhole equipment regularly;
- Remote signal receiving and processing terminal realizes the link from the wellsite to the control center through the information communication system, realizes the networked intelligent data collection, analysis, processing and decision of the well group, and further optimizes the production management.

Work condition

- $WT < 150^{\circ}\text{C}$, $WP < 60\text{MPa}$, Max. Data transmission distance 5000 meters
- Max. number of multi-zone reach 9 layers for per well

Scope of application

- Suitable for multi-zone water injection or oil production process
- Suitable for vertical, directional and horizontal wells

Features

- Realize integrated remote intelligent control and permanent downhole real-time monitoring
- Dynamic monitoring of downhole data and control of injection or production flow at each layer
- Finely adjust the production flow of each layer to improve oil recovery
- Remote control, reading and setting downhole injection and production parameters
- Periodically recalibrate and calibrate the downhole devices with intelligent automatic control at the wellhead
- Improve recovery and reservoir availability throughout the block

Services capacity and performance

The intelligent multi-zone injection and production system has been widely used in vertical wells and directional wells in China oilfields and overseas oilfields and has achieved good results.

With a professional field service team, Anton provides fully matched intelligent multi-zone injection and production technical services and can provide global customers with solution design, intelligent measurement and adjustment equipment, field services, and post-maintenance services.