

Rotary steering and geo-steeringdrilling technology

Rotary steering and geo-steeringdrilling system can effectively improveWOB performance, and is the perfect combination of rotary drilling and trajectory control with high quality borehole. It is currently the most advanced directional drilling technology. Combination of fast drilling and measuring tools, the ability to timely adjust its positionto ensure a perfect trajectory control and pay-zone drilling rate,are all necessary technical means to realize the development of long horizontal section, thin oil layer and shale gas well drilling. ANTON is the very first oil service company to have its ownrotary steering and geo-steering drilling system, and to provide such services in China.

Features

- Continuous steering with string rotation,improve hole quality
- higher ROP, drilling time saving
- Real time formation measurement,increase the drilling rate
- Customized modular design, adding LWD measurements as required

Applications

- Applicable to all types of oil and gas reservoirs, various sizes of the hole, all kinds of mud systems
- Suitable for challenging horizontal well: low ROP formation, formation with high borehole quality control requirement,and extended reach horizontal well
- Suitable for high drilling rate horizontal well:thin layer, tight oil/gas reservoir, and shale gas

Performances

- Songliao basin, Bohai bay,Sichuan,Tarim basin, Caspian Basin and Iraq with customers like CNPC,SINOPEC, Shenhua Group,Iraq Missan Oil Company,Ecopetrol andKazakhstancustomers
- Well type:directional well, long horizontal well,shale gas well, tight oil/gas well, thin layer well
- Completed the construction of 756 wells with the following records:

◆ Horizontal displacement of 4940.99 meters, maximum displacement in China land market

◆ Maximum daily footage of 365 meters in horizontal section in China

◆ Windowing depth of 6595 meters, the deepest window opening record of horizontal well sidetrack in China

◆ 3 wells drilling with 0.9m thin oil layer, with 80%+ reservoir drilling rate, in heterogeneous formation of the Putaohua, Songliao basin

