

## Heavy oil electric heating and viscosity reduction technology

Through electromagnetic induction and skin effect, Anton Electric heating viscosification technology can realize efficient conversion from electric energy to heat energy, so as to make up for the heat loss of heavy oil and high condensate oil in the production process and ensure the fluidity of crude oil. Anton oil service has electric heating technology scheme design, temperature field fitting, compensation power optimization, site construction and technical guidance, such as service capacity, from formation, wellbore, wellhead, surface gathering pipeline tube, tube outside heat integration technology such as service capacity, dedicated to provide customers with safe, energy saving, efficient electric heating viscosity technical services.

### Service capability

- Have 6 technical experts, 3 operation team, has 10 years experience in heating design and field service experience
- Have cables, transformers, power distribution cabinet and other professional production factory

### Technical advantages

- Provide high pressure gas well, heavy oil well, high pour-point oil well and underground pipe, tube outside heat antifreeze, prevent condensation scheme design and on-site service
- Provide high pressure gas well, heavy oil well, high pour-point oil well wellhead heating technology solutions and on-site technical services
- Provide surface gathering pipeline and treatment station heat tracing and deflocculation technical solution and on-site technical services
- Provide technical solution proposal to the aerogel insulation and on-site technical services

### Range of application

- Are widely used in heavy oil and high pour-point oil formation and wellbore viscosity lifting
- Are widely used in high pressure gas well, flowing well killing of electric pumping Wells such as wellbore condensation prevention, prevent
- Is widely used in the ground well, gathering pipeline and storage tank heating, heat preservation and thawing

### Service performance

- Globalization services - petrochina, sinopec, cnooc, Ecuador, Sudan and other countries or areas
- Complete wellhead maximum pressure 103 mpa high-pressure gas well site construction, heating effect and meet the requirements of antifreeze

