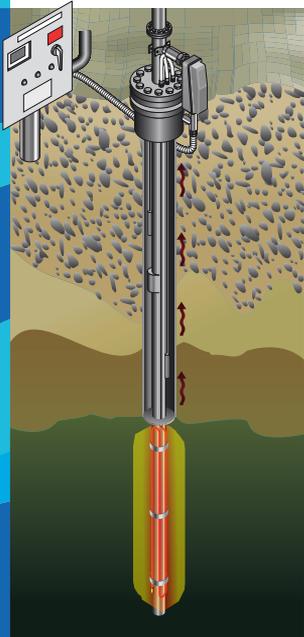


DOWNHOLE ELECTRIC HEATING SYSTEMS

Near Wellbore Heating

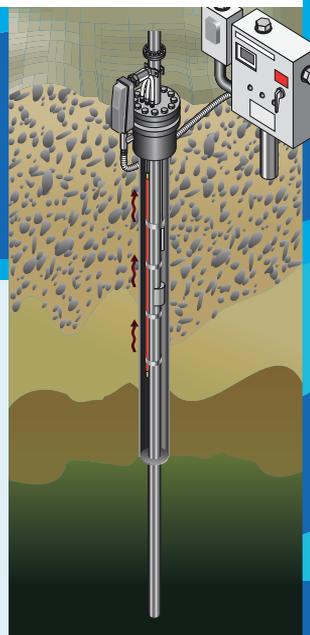


Successful Cases shows that heating Heavy Oil (8-20 API) will greatly reduce the viscosity and increase the oil flow in the production tube. The Downhole Heating system uses an electro-thermal cable inserted in the reservoir for such application. A constant source of thermal energy is provided in the payzone near the wellbore area. This applications include vertical and horizontal wells, and current designs provide power to achieve cable operating temperatures up to (300°C).

Flow Assurance



Wax/paraffin and hydrates can plug or slow the production of oil. Heavy Oil plugs can reduce production as oil cools down when flowing to the wellhead. The Downhole Heating system is engineered to run external or internal to the production tube to deliver a constant source of thermal energy along the production tube, avoiding costly interruptions and stoppages because of wax, hydrate or heavy oil plugs. Typical light oil Flow Assurance applications require cables up to (120°C) operating temperature.



Electric ICCP & Heat-Traced Pipe

We manage the heat you need - from pipe process temperature maintenance by heat traced pipe to process heat-up applications throw ICCP Pipes.

