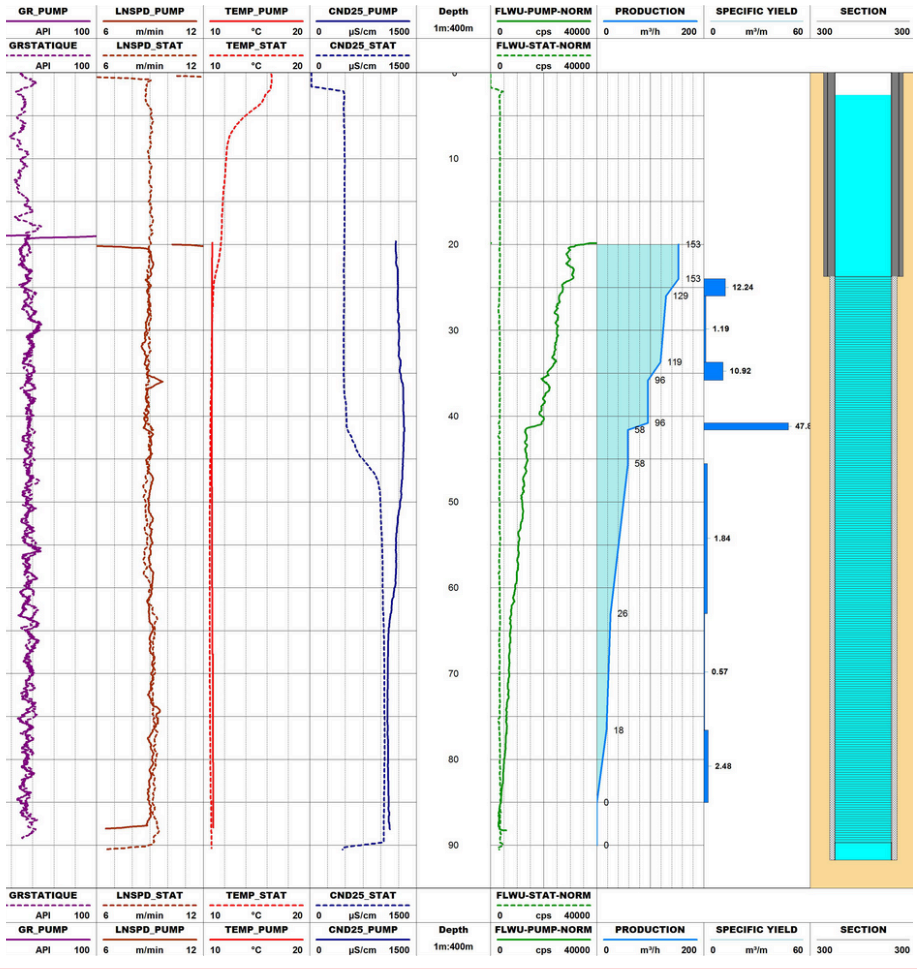
FTC60

Case study - Temperature/Conductivity/Flow



An **FTC60G** probe was used to establish a production profile in a well drilled for de-watering purposes, in a "post-mining" context, on a site located in the east of France.

Logs were recorded with the well in both static and pumping conditions.

The results show that the well produces over the majority of the screened interval, however a particularly productive zone is present just below 40 m depth which accounts for around 30% of the total yield.

While the temperature profile remains essentially unchanged between the static and pumping logs, the conductivity curve shows that the water being produced from 65 m upwards exhibits significantly higher conductivity (1 250 µS/cm) than was observed in the fluid column with the well at rest (500 µS/cm).

The photo opposite shows the lower part of the **FTC60** probe with the impeller and combined temperature and conductivity sensor mounted on the tool body just above.

The impeller cage mesures 60 mm in diameter and the probe is generally run fitted with centralisers.

Reliable flowmeter readings can be obtained in low flow velocity conditions (from around 1 m/min).

As well as the fluid parameters, the probe also provides the logging speed and (optionally) a natural gamma measurement.