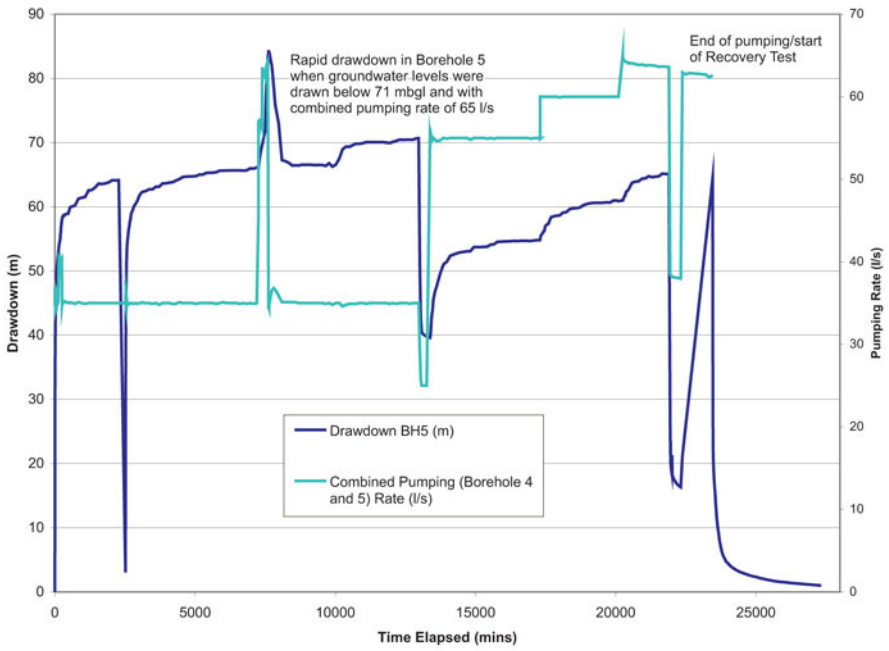
Entec

*Creating the environment for business*

# Slade Heath Pumping Station
## South Staffordshire Water

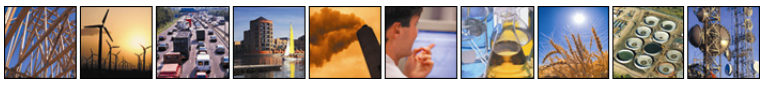
*Supervising the drilling and testing of a new production borehole*




Following a review of options for combating declining yields at Slade Heath Pumping Station, South Staffordshire Water commissioned Entec to design, procure contractor services and supervise drilling and testing of a new production well at the site. Entec staff also acted as CDM Coordinator throughout the site works.

This well was completed at 570mm diameter and 150m depth through the Wildmoor and Kidderminster Formations of the Sherwood Sandstone Group into the top of the Enville Beds.

Drilling was by rotary reverse circulation and development by airlift pumping and surging.

Test pumping was carried out over a one month period and involved both conventional step and constant rate testing of the new well and combined operation with other wells on the site to establish optimum site pumping procedures.
As water from Slade Heath is blended with other sources, water quality was rigorously assessed to determine appropriate abstraction volumes.

Detailed completion and test analysis reports were prepared, including recommendations of operational procedures.