

# IntegraStar™ Temp

## CEMENTING WELL FLUIDS TEMPERATURE SIMULATOR

### APPLICATIONS

- Primary cementing operations

### FEATURES & BENEFITS

- Supports multiple muds, spacers, cements and displacement fluids
- Allows for the input of multiple pump rate schedules including shutdowns
- Simulates possible fluid losses in the wellbore
- Supports multiple temperature gradients
- Considers multiple hole geometries and complex wellbore trajectories
- Permits multiple formations, fluid and fluid properties
- Includes Newtonian, Bingham Plastic, Power Law, Herschel-Bulkley fluid modeling
- Calculates and outputs temperature profiles throughout the fluid columns

### OVERVIEW

IntegraStar Temp is a temperature simulator used to accurately predict the downhole dynamic temperatures of fluids circulating in an oil or gas well. Heat-up rates of static fluids can also be determined.

The calculated circulating and static temperatures of the mud, spacers and cement slurries can then be used as parameters for the selection of cementing systems and additives, and the design of laboratory tests which correctly simulate downhole conditions.

IntegraStar Temp provides interactive data entry, comprehensive graphical simulation, and text and graphical reporting capabilities.

