

IntegraStar™ ISO

CEMENT STRESS AND INTEGRITY ANALYSIS PROGRAM

APPLICATIONS

- Primary cementing operations

FEATURES & BENEFITS

- A powerful tool to assess long-term wellbore integrity and zonal isolation
- Calculates the initial and induced stresses on the cement sheath
- Supports multiple pressure and temperature events in the wellbore and the formation
- Gives a clear graphical representation of the cement integrity over time
- Indicates the principle cement failure mode

OVERVIEW

IntegraStar ISO software is a cement job design aid used to determine the stress state of the cement sheath and evaluate wellbore integrity under changing downhole conditions. The user can simulate multiple conditions of wellbore pressure, wellbore temperature and reservoir pressure as would be experienced by well production, well stimulation or workover operations.

The program will determine the stress imparted on the cement sheath and indicate the likelihood of cement failure and the type of failure mechanism.

IntegraStar ISO provides interactive data entry and comprehensive graphical visualization of simulation results.

The below IntegraStar ISO graphical outputs are examples of pass mode (top) and failure mode (bottom).

