

# ZoneSafe gel treatment

Protect zones from undesired oil, gas, or water migration

Preventing the flow of gas, oil, and water into or out of undesired zones and in sensitive areas is critical to optimizing a well's operation. The Baker Hughes **ZoneSafe™ gel treatment** penetrates into porous zones, blocking permeability by filling pore spaces and setting. The treatment blocks the flow of fluids and gas into or out of the treated zones. The treatment is ideal for blocking an annular channel right before a cement squeezing operation and can be used in downhole temperatures from 80°F (27°C) to 140°F (60°C) by using the appropriate accelerators or retarders.

ZoneSafe gel provides the protection needed for areas where it is vital to ensure nonflowing conditions. A ZoneSafe treatment is easy to use and can be incorporated into any cement squeeze; it can be added to the cement squeeze operation just before the cement is mixed and deployed. The ZoneSafe treatment does not require any additional equipment—it is mixed with the same equipment used in the cementing operation. ZoneSafe gel has been successfully deployed in multiple annular channel cement squeeze operations, protecting critical exposed areas in the well. The treatment is very convenient to use and has negligible impact on ongoing operations.

Baker Hughes offers ZoneSafe treatments as a premixed kit specifically for cement operations and it comes in prepackaged containers. The kits are easily stored and have a long shelf life. When it counts, use ZoneSafe gel treatment to protect your production.

To learn more about the Baker Hughes integrated water management group and our comprehensive, powerful, and cost effective solutions for your subsurface and surface water management challenges. Contact your Baker Hughes representative today.

## Applications

- Pretreatment for cement squeezing
- Zone protection
- Zone abandonments
- Behind pipe channels
- Casing leak repair

## Benefits

- Penetrates and blocks permeability
  - Impedes flow of gas and liquids
- Easy to use
  - Requires no special equipment
  - Negligible impact on operations
  - Little to no clean up
- Available in kits
  - Long shelf life
  - Dry mix easy to add to operation
- Easy cleanout
  - Reduced rig time
- Reduced HS&E
  - No equipment added