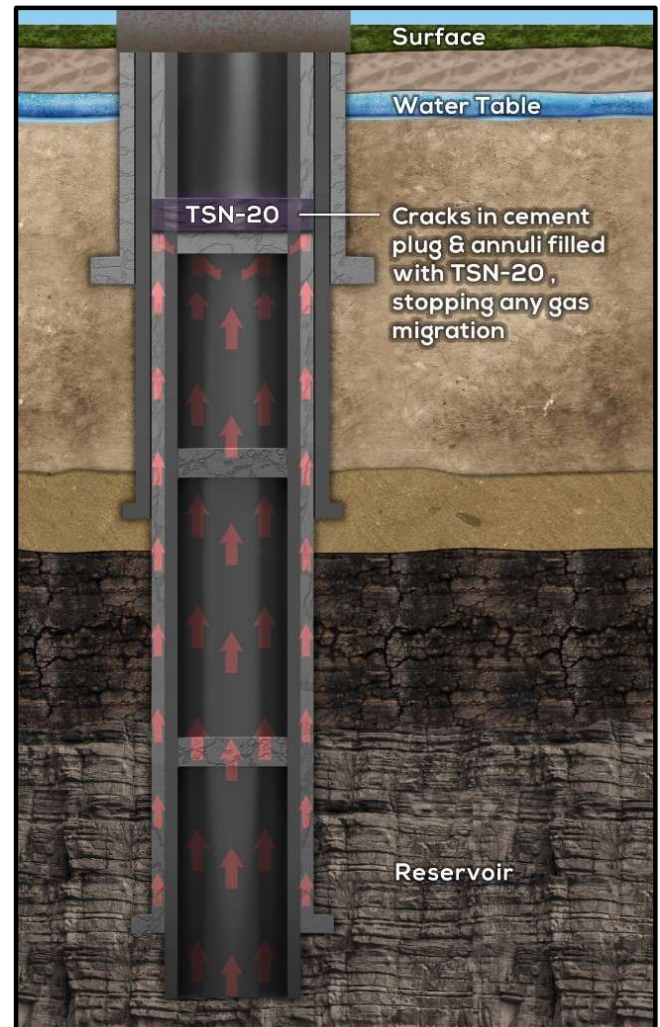




TSN-20 Field Application

CASE STUDY

- A 7-inch casing well was previously plugged and abandoned by a major oil and gas operator in the Permian basin in Texas. The wellhead was removed, and the site was remediated. Sometime later, the well started to bring water and gas to the surface. Cement and other materials were used to re-plug the well, but gases were still detected on the surface.
- After numerous unsuccessful attempts using competitors' materials, a 'saucer' was welded to the cut casing, and TS-Nano standalone sealant (TSN-20) was applied over the top of the exposed cemented annulus.
- TS-Nano field applications, including mixing and applying the sealant, were achieved in a few hours.
- TS-Nano nano-modified polymer TSN-20 sealant successfully penetrated the cement porosity and sealed the existing micro-annuli, shutting off the gas leakage. No evidence of water or gas was detected. The well was buried, and the location was reclaimed.



Contact Us

To learn more about TSN-20's technical specifications, field performance, or to request a case study, contact TS-Nano's technical team at:

info@ts-nano.com | www.ts-nano.com | [+1 \(505\) 385-8930](tel:+15053858930) US