IntegraBond™ Product Family

YOUR INSURANCE POLICY AGAINST GAS OR FLUID MIGRATION

Long-term well integrity requires addressing the unique challenges imposed by geology, well construction constraints, or hydrocarbon production.

OVERVIEW

During cementing, the slurry must withstand the stresses induced by pressure and temperature changes in the well during completion and production, and maintain its integrity if subjected to chemical attack.

IntegraBond cementing systems are your insurance policy. They create an effective cement sheath that bonds to the formation and the casing, effectively sealing oil, gas, or water from the wellbore, whatever the downhole environment. These sophisticated solutions enable you to produce in more challenging environments across North America.

PRODUCT FAMILY

IntegraBond FLEX
If your cement bond breaks down due to downhole stress, you could experience gas migration, water influx, and other damaging effects. These flexible cements maintain hydraulic integrity and conform to changes in downhole pressures and temperatures from hydraulic fracturing, well production, reservoir depletion and remedial operations.

IntegraBond SALT
In the US, there are two types of subsurface salt deposits: salt domes and bedded salt. They are found across 16 states within the US, most predominately along the Gulf Coast region. Salt is an impermeable substance, leading to poor cement bond logs, compound washouts, and loss of slurry thickening control. These cement slurry systems are specially designed to be placed across and effectively isolate salt zones.

IntegraBond HEAL
When the stress limits for the cement are exceeded, cracking and debonding can occur, resulting in hydrocarbon or water influx into the wellbore. Ideal of for high-risk operations or to minimize remediation costs, these resilient cements will chemically react if exposed to hydrocarbons and effectively reseal minor cement defects.

IntegraBond PERM
In areas of North America like South Texas where CO₂ and H₂S are present, these chemicals can permeate and breakdown the cement bond, potentially causing casing corrosion. These highly-effective, low permeability, corrosion resistant cement systems withstand the chemical attack, maintaining the cement bond and protecting the casing.

IntegraBond ICE
In Canada and the Northeastern US, zero and subzero temperatures and permafrost can cause extremely bottomhole low circulating temperatures, affecting cement slurry set times. This unique cement slurry is specifically designed for extremely low temperature applications such as those experienced while drilling through permafrost. This solution allows for control of slurry set time and enhances rapid compressive strength development.

IntegraBond XTREME
Typically occurring in deep wells, high pressure and high temperature (HPHT) can cause cement slurry properties to change, losing control of cement set times and fluid loss. These cementing systems are specifically engineered to provide zonal isolation in environments up to 600°F (330°C) with slurry densities up to 22ppg. It resists degradation and does not lose its compressive strength.