Boart Longyear offers a full range of mine and other water drilling services, including production, dewatering, re-injection, monitoring, geothermal, and municipal wells. Our extensive experience in water well development includes casing and gravel selection and placement and both mechanical and pump well development.

Count on Boart Longyear for:

• Properly developed, efficient wells for long-term use
• Dedicated solids removal system for drilling fluids
• Depths up to 5,000’ to reach existing groundwater
• Straighter wells for cleaner and more efficient water production, reducing power costs
• Assistance with regulations, licensing, and permitting
• Unique process capable of drilling large diameter holes in a single pass
• Better overall well efficiency and production

DEWATERING

Our diverse fleet of dewatering rigs include various sizes with capabilities to drill wells up to 60 inches (152.4 centimeters) in diameter and depths over 8,000 feet (2,438 meters).

POTABLE WELLS

Boart Longyear capabilities include potable wells which are larger drilled wells to completion between 12-18 inches (30.5-45.7 centimeters) and depths over 3,000 feet (914 meters).

INJECTION WELLS

Our capabilities for injection wells include large or small diameter, with depths of up to 8,000 feet (2,438 meters).

ANGLE WELLS

Using a unique bottom hole assembly to drill angle water wells in order to achieve the desired target, Boart Longyear is also capable of drilling through multiple vertical water-bearing fractures.

DEPRESSURIZING

Our dedicated horizontal drill rigs effectively relieve high-wall pressure with holes drilled at a 5 degree angle, creating an outlet for water to drain. Our horizontal drilling rigs are highly engineered and certified FOB rated.

DUAL TUBE FLOODED REVERSE

This unique and proprietary drilling process uses dual wall drill pipe and drilling fluid along with the injection of air in order to drill large diameter holes. In the drill string, perforations allow the air to return up the center, following the path of least resistance. The air traveling back up the inner tube creates a vacuum, which in turn sucks up the cuttings from the bottom of the hole at the face of the bit. Using Dual Tube Flooded Reverse (DTFR), fluids always circulate inside the dual tube pipe and cannot escape into the formation. Instead of maintaining fluids at the surface and circulating throughout the wellbore, DTFR generally drills with the borehole fluids at their naturally occurring level.

Self-contained drilling fluids tanks ensure proper mixture and maintenance of drilling fluids and saves money by eliminating the need for a pit which can also reduce the drill pad size, require fewer disturbance permits, and eliminate the need to back fill it.

To learn more, contact one of our water services experts today at info@boartlongyear.com or visit www.BoartLongyear.com/Drilling-Services/Water-Services