



How Fiber Optic Works

Voiceover

At Chevron, we're using fiber-optic technology to accelerate growth and increase value of Chevron's project portfolio.

How it works: Fiber optic and wire rope cables are run through sheaves and pulleys at the top of the derrick. On the rig floor, crews install the fiber-optic cable on the casing, securing it with centralizers, single-band and orientation clamps, running it into the well. The cable is then cemented into the well and begins recording data immediately.

Our teams collect the real-time surveillance data to help better understand well completion efficiency and long-term production performance of a well, thereby improving our drilling, completion and production operation decisions and future well designs. Chevron has successfully deployed this technology in 2015 in two horizontal wells in shale plays in North America, and we are leveraging its success in other areas.