



video transcript

# nuclear magnetic resonance technology

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human energy®

## **Voiceover**

Just like a doctor uses Magnetic Resonance Imaging, or MRI, technology to look inside a patient's body, Chevron uses MRI and Nuclear Magnetic Resonance technology, or NMR, to look inside reservoirs. Rock samples are extracted from the borehole for analysis in our state-of-the-art NMR lab. This allows scientists to analyze the amount and type of fluid present in the reservoir.

But it doesn't stop there. Solid-state NMR gives us a glimpse inside the rock material to better understand how its pore system might affect our ability to produce oil. We also use MRI technology to see in real-time exactly where fluids are trapped as they flow through the rock at actual reservoir conditions – high pressure and temperatures – to optimize our production techniques.