



How Steamflooding Works

Voiceover

Steamflooding is a process used by Chevron to increase recovery from heavy oil reservoirs. In steamflooding, steam is injected near the base of a heavy oil reservoir through an injection well. The injected steam vapor rises toward the top of the reservoir due to buoyancy. Heavy oil is thick and has a very high viscosity, or resistance to flow, which can make it difficult to extract or produce.

As the injected steam comes into contact with the oil, it transfers heat to the cold heavy oil, reducing the viscosity of the oil and making it more mobile.