Single-Well Diagnostics and Increased Oil Recovery by Oil Injection and Sequential Waterflooding

Description of Technology

Single-Well Diagnostics and Increased Oil Recovery by Oil Injection and Sequential Waterflooding is a method for recovering immobile residual oil from a reservoir. This is achieved by charging a portion of the region of the reservoir in the vicinity of a well with oil and producing the well to recover both the injected and immobile oil in the reservoir.

Applications

This technology can be used to enhance and increase oil recovery from underground and previously waterflooded reservoirs, as well as oil reservoirs that contain immobile oil.

Features & Benefits

This method of oil recovery is cost effective. In addition, this method is the simplest enhanced recovery process proposed. This method has potential applications in watered-out oil reservoirs worldwide.

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