ENHANCED OIL RECOVERY (EOR) - WATERFLOOD

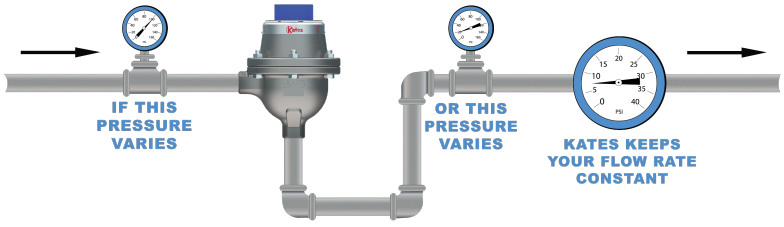
APPLICATION SHEET

APPLICATION OVERVIEW

There are two stages to oil recovery from a natural well; primary production and enhanced oil recovery (EOR). Enhanced oil recovery is the second phase of oil recovery. Injection wells are drilled into the reservoir. Water or CO2 is then injected to help increase depleted pressure as well as displace the oil, driving it to the surface. A waterflood can recover 5% – 50% of the remaining oil in the reservoir. Applying too much water to a well proves to be expensive; too little flow and the well will not be adequately flooded.

KATES SOLUTION

The Kates Flow Controller will maintain an accuracy of 1.5% of its flow rate set point, regardless of changes to the differential pressure. The Kates working principles can be scaled up to any size, giving it the ability to control large flow rates. Quite frequently, multiple Kates are installed on a header system for enhanced oil recovery. This system can accommodate different injection patterns, using one header system installed with Kates. Use the Kates Flow Controller to maximize oil recovery.



31651 Research Park Drive; Madison Heights, MI 48071
Ph. 248-597-8999 Fx. 248-597-8998 info@customvalveconcepts.com www.customvalveconcepts.com