

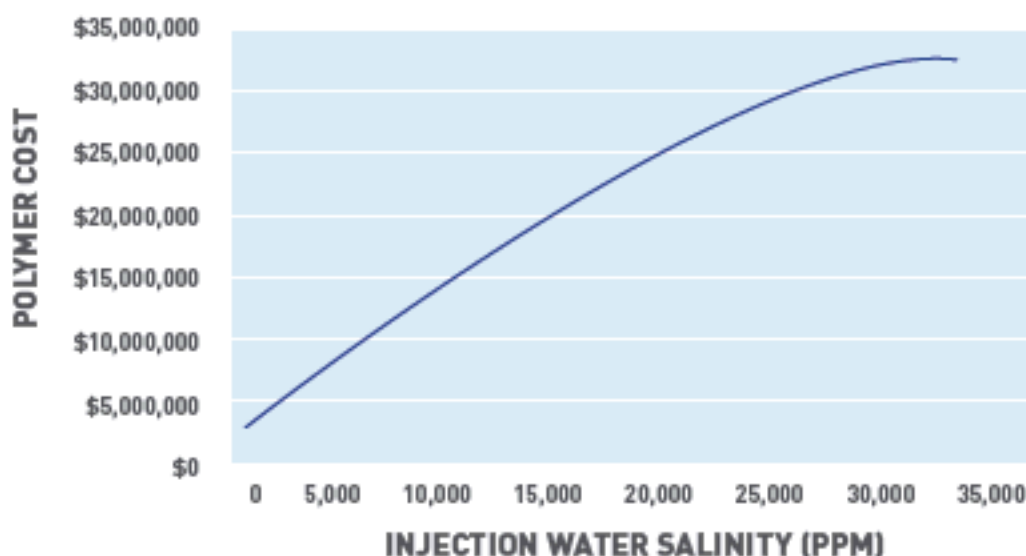
CHEMICAL ENHANCED OIL RECOVERY (CEOR)

Using a proven flexible and innovative water treatment technology to improve recovery in CEOR

Salinity directly correlates to the cost and effectiveness of polymer floods used in CEOR programs. For CEOR processes using alkalinity such as ASP, the injection water must be softened or desalinated to remove any calcium or magnesium content to prevent precipitation of these constituents. In surfactant flooding, an optimum salinity must be achieved in order to maximize the surfactant effectiveness.

THE WATER STANDARD SOLUTION SUPPORTS:

- Customized and consistent injection water quality to maximize oil recovery and minimize formation of tight emulsions in produced water
- Modification of the CEOR process while in the field to customize water quality and salinity based on reservoir response
- The ability to redeploy to another field after completion of any short-term CEOR program
- Precise CEOR chemical mixing and storage without need for comprehensive platform retrofits
- Treating produced water for reuse in EOR reinjection



Reducing salinity will lower chemical required and save on operating costs over the life of a project.