



TECHNICAL
INFORMATION
SHEET

INJECTION WELL “SUPER CLEAN SERVICE”

Over time, pressure on Injection Wells and Disposal Wells continues to build as water is injected.

Normally the waters being injected are from a combination of different producing zones. Co-mingling of these waters will usually result in the precipitation of scales close to the well bore. As the scale continues to precipitate, the injection pressure continues to build.

Once the injection pressure reaches an unacceptable level, the well is usually acidized to dissolve the near well bore scale. This will normally reduce the injection pressure back to desired levels. The well is then placed back onto injection.

But over time, the scales that are dissolving close to the well bore are re-precipitating deeper into the reservoir. After several acid treatments the scale has formed an area too large for conventional acid treatments to remove.

Franklin Well Services Inc.'s “Super Clean Service” will remove most types of scale near the well bore and several feet within the injection zone. After the treatment the well will be placed back onto normal injection. Due to the presence of chlorine gas, the fluids should not be flow back to surface.

Since this service is highly reactive with scale and iron sulfite, the integrity of the tubing string must be very good to prevent tubing leaks during the treatment.

Generally 1,000 gallons of the cleaning chemical and 1,000 gallons of 15% HCL acid are sufficient to remove any damage.