



TruCorr 9807 Chemistry effects vs. Corrosion

1) Production well treatment



SI A 1 week SI B 1 week 9807 52 weeks Untreated 35 weeks

Corrosion inhibition effects of TruCorr 9807 chemistry: the first two coupons were immersed in fresh tap water for 1 week while the last two were immersed in 180,000 ppm TDS brine for extended periods (note dose rate was 250 ppm). The corrosion rate on the TruCorr 9807 treated coupon was < 1.2 mpy.



2) Coiled tubing corrosion treatment



Coil pieces in 2% KCl untreated

Coil pieces with inhibitor

Fluids after test “un” and treated

- Test was run for 7 days at 500 ppm TruCorr 9807 dose rate
- Fully oxygenated conditions (water return jetting in 3” above surface), 3 GPM recirculation rate, temperature range from 90 – 120F
- 2% KCl solution
- Product has since been utilized for Coiled tubing operations for 5 years

3) Additional uses of TruCorr 9807 chemistry

- The corrosion inhibition effect of the TruCorr 9807 shown above has been applied to CaCl_2 and NaCl brine based drilling fluids without the use of Oxygen scavenger and still reduced corrosion rates dramatically.
- This chemistry has been successfully incorporated into formulations that contain traditional, proven effective corrosion inhibitors such as Imidazoline / Quat and Coco Quat to protect vs. the effects of CO_2 and H_2S in production treating
- The chemistry has been applied in pipelines and transfer lines to reduce corrosion for several years