

# TRUCORR 9807



## 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.

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### 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<sub>2</sub> 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<sub>2</sub> and H<sub>2</sub>S in production treating
- The chemistry has been applied in pipelines and transfer lines to reduce corrosion for several years