

CRONOX CRO9141F and CRO9961A corrosion inhibitor eliminated high sour production pipeline failures for over two years

CHALLENGES

- Wet gas condensate field with extremely high corrosion rates (270 mpy) and pitting
- H₂S (7%) and CO₂ (4%) gas concentration measured in gas production, along with elemental sulphur deposits
- Incumbent program unable to control corrosion – three pipeline failures in 18 months
- Poor integrity management limiting field and drilling program expansion

SOLUTION

[CRONOX™ CRO9141F and CRO9961A continuous and batch corrosion inhibitor](#)

was utilized for their ability to:

- Improve corrosion inhibitor film
- Minimize wall loss and pitting
- Provide consistent OPEX and reduce surprise CAPEX costs

RESULTS

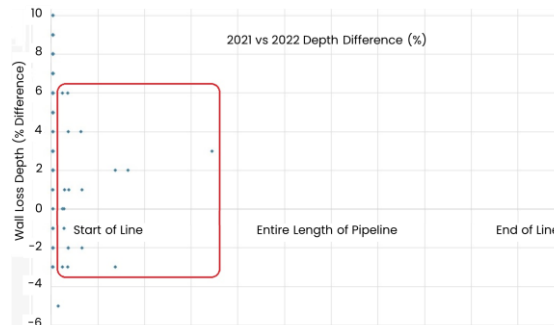
0 Pipeline failures in > 2 years

100% Reduction in pipeline repair costs

0% Production downtime due to corrosion



Copper Ion displacement testing in spool with incumbent corrosion program (left) and Baker Hughes corrosion program (right)



Inline inspection results after two years of CRO9141F and CRO9961A use. Wall loss depth difference as percent (any values <10% are reported as zero loss).