

SYLWRAP Case Study



900mm Pipe Surface Restoration & Repair

An oil well in Argentina needed to repair and restore the surface profile of a badly corroded, ruptured 900mm steel pipe to keep the oil pumping



Initial repair attempted with two pipe clamps



Pitting and ruptures caused to the 900mm pipe



Superfast Copper plugged ruptures. It was then overwrapped with Wrap & Seal for reinforcement



Several SylWrap HD Bandages provided further protection for a large section of the pipe

Defect

The steel pipe pumped water into an oil well, filling the well and pushing oil to the top for extraction.

Corrosion to the pipe had caused heavy pitting and ruptures. For the well to work efficiently, the pipe needed its surface profile restored and the ruptures to be sealed.

An initial repair had been attempted with two pipe clamps. This was unsuccessful as the damaged area was located near a tee and welded joint. A more flexible repair method was required.

Solution

Superfast Copper Epoxy Putty plugged the holes and smoothed off pitting. Because the pipe was oily, it was decided to increase the chemical and pressure resistance of the repair by using **Wrap & Seal Pipe Burst Tape** to reinforce the putty.

Multiple **SylWrap HD Pipe Repair Bandages** were then applied to the repaired section of the pipe, providing a rock-hard, protective shell from future corrosion and chemical attack.

Result

Unlike the initial repair attempt made with bulky pipe clamps, the SylWrap repair fitted around the problematic tee and welded joints.

Within two hours, the pipe was put back into operation and water began filling the well. Oil extraction resumed at a fraction of the cost of replacing the corroded pipe and without any downtime waiting for new parts to be fabricated and fitted.