

Expro Excellence

Fluid and solid management during pipeline integrity inspection

Well Flow Management | Well Testing-Pipeline Integrity



Objectives and background

- An operator was using a Smart Pig and inline inspection tool, to detect corrosion and anomalies within their gas pipeline segment
- The segment of the gas pipeline contained significant volumes of water and condensate as well as solid debris that would be displaced during the pigging process
- To protect the customer's equipment from displaced liquids and solid contaminants in the pipeline, the entire flow needed to be processed to remove these contaminants
- A solution was needed to safely and efficiently remove the liquids and solids displaced during pigging operations, ensuring full compliance with environmental regulations and strict safety standards
- Coordinating advanced pig tracking and velocity control is essential for maintaining safe pigging operations with controlled pig and flow velocities
- Accurate internal pipeline data supports decisions on treatment, corrosion, and anomalies, ensuring efficient flow, asset protection, and long-term reliability

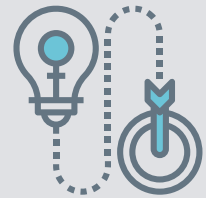
Expro Excellence

- Expro solution ensured contaminants were removed (water, condensate, and solid debris) from the full pipeline flow stream. This protected the customer's downstream equipment and facilities
- Pipeline pressure and velocity were controlled and regulated by Expro to maintain optimal flow conditions for a successful inline inspection pig run
- Expro safely managed nitrogen purging of atmospheric tank storage, creating a non-hazardous environment for condensate removal and temporary storage
- Constant communication with the ILI tool provider and the customer allowed real-time adjustments to flow rate and pressure, critical for successful inspections within the operational limits of all equipment involved

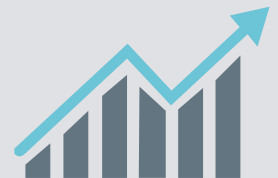
Value to the client

- Effective management of hydrocarbons and contaminants without any impact on the environment
- Reliable velocity and pressure control enabled a successful pig run, gathering essential data for evaluating pipeline integrity
- Operation has been performed with high efficiency and no ILI re-runs were needed

Innovative solution



Enhanced production



Lower carbon footprint

