

Zerust® Pipeline Layup Preservation



Zerust® OIL & GAS
WORLDWIDE CORROSION SOLUTIONS

Results and Recommendations:

- The application of corrosion inhibitor slurry was a complete success and within a timely matter. All crews worked well together to make this pigging run a success.
- It was communicated that the client required no more than 8,300-liters of slurry be removed from the pipeline. The retracted volume of fluid was well within this requirement.
- Using a vacuum truck prevented any possibility of spills and ensured that the crews would face minimal exposure to the corrosion inhibitor slurry.

CLIENT APPLICATION *Pipeline Preservation | December 2017*

Project Summary:

- Zerust in collaboration with partner contractors, was awarded a project, encompassing the application of a corrosion inhibiting solution within one (1) pipeline section.
- Zerust Zerion® FVS corrosion inhibitor in a water slurry, was injected between two PIGs, within one of the client's pipeline sections. Compressed air was used to force the two PIGs and the slurry along the entire length of the pipeline section leaving a corrosion inhibitor residue on the pipeline's internal surface area.

Goals and Objectives:

- Consultation services during the mixing of the corrosion inhibitor slurry
- Consultation services during the injection of the corrosion inhibitor slurry, including during the pigging runs for application of the corrosion inhibitor throughout the pipeline section
- Consultation services during the collection of remaining corrosion inhibitor slurry at the end of the pipeline section

Product(s) Used:

- Zerion® FVS-B15, Bulk Powder



Vacuuming Water and Propylene Glycol from totes and Zerion FVS Powder from bin into vacuum truck.



This pipe is where the back pig is within the pipe. The valves on top of the pipe are used to add backpressure to pressure up battering ram from within.



The Zerion FVS slurry mixture is pumped out of the vacuum truck through suction hoses into the pipeline to fill the pipe in the trench with slurry.



Air compressors are used to force air through hoses into the pipeline to push the pigs throughout the length of the pipeline.



A frac tank was used to hold the mass amount of excess Zerion FVS slurry from the end of the pipe after the pigs traveled through was then suctioned into the initial vacuum tank truck.