

Crude Oil Pipeline Pipe Casing Protection

Pipe Casing Injection

Zerust® Oil & Gas was awarded a project encompassing the injection of a corrosion inhibiting solution into the pipe casing of a crude oil pipeline.

Two pails of Zerion PGH-400 gel were added to one end of the pipe casings. Approximately 30-kg of gel was poured into the pipe, and compressed air was used to shoot the gel into the annular space.

This was completed a number of times until the two pails were added. The 1,250 gallons of remaining inhibitor/gel slurry were mixed in five totes. Five pails were added through the hopper. The entire volume of the totes was injected into the casing.

During the injection, there was a buildup of pressure. This caused approximately 20 gallons of fluid to be expelled into a barrel. It took about 30 minutes for the air pressure to be released. The casing ends were exposed, and no fluid had leaked.

This was a successful injection. All inhibitor and gel was injected into the casing. The following day, the contractor returned to install the ER probes and CP leads.

Corrosion Problem? Contact Zerust Oil & Gas.

