



Substitution of a steel spool for PE-X coated for pumping formation water.

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Enap Sipetrol
Ecuador | 2021
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Working Conditions:

Pressure: 10 PSI
Temperature: 71°C / 160°F

Pexgol Pipe:

6"x4" steel eccentric reducer
coated in Pexgol

Application:

Formation water pumping

Longitud:

n/a

The Challenge

Enap Sipetrol Ecuador, is a branch of the Chilean state oil company Enap, is the operator and owner of 42% of Block 28 in the southeastern area of Ecuador.

In their process plant where it was necessary to transport formation water, they had a steel spool coated internally with epoxy paint and it corroded easily due to the aggressiveness of the fluid.

Pexgol Solution

The client decided to replace the steel spool with Pexgol. It was installed in October 2021 and inspected in March 2022 and no type of corrosion or adhesion of solids was observed.





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Advantages

- **High resistance to wear:**
Pexgol is the preferred solution for abrasive materials transportation. Typically resists three times more than HDPE and twice more than steel.
- **Excellent chemical and corrosion resistance:**
Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.
- **High temperature resistance:**
Working temperatures can range from -50°C/-58°F up to 110°C/230°F.
- **Superb internal and external corrosion resistance:**
Our pipes are proven to withstand decades of exposure to corrosive environments, with nonstop performance in some of the world's harshest environments.
- **Long pipe sections:**
Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.
- **Creep and impact resistance:**
Crosslinked Pexgol pipes can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Furthermore, Pexgol pipes are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

