

Pexgol's Solution in Secondary Recovery for EMESA



EMESA Optimizes Formation Water Transportation in Mendoza.



EMESA Argentina | 2023

• Working Conditions

Temperature: 40° / 104°F
Flow: 100 m³/d
Pressure: 30 kg/cm²
Fluid components: Formation water

• Pexgol Pipe

Pexgol 90 mm class 15; 90 mm class 24 & 110 mm class 30

• Application

Secondary Recovery

• Length

700 m / 2296.59 ft

The Challenge

EMESA, an energy company in the province of Mendoza (Argentina) that participates in some hydrocarbon projects in the province in collaboration with private operators, faced the need to establish a new line for secondary recovery. The project involved transporting formation water from a well with mechanical pumping (AIB) to a tank, operating at a temperature of 40°C, a flow rate of 100 m³/h, and a pressure of 30 kg/cm².

The Solution

To meet the operational requirements of the project, EMESA decided to implement 90 mm class 15, 90 mm class 24, and 110 mm class 30 Pexgol pipes, covering a total length of 700 meters. Pexgol pipes were selected due to their quick installation, material flexibility, lightness, and ease of handling, as well as their ability to supply long sections that simplify the installation process.

The installation of the Pexgol pipes was efficiently carried out in a single day by unrolling the pipes and using double mechanical connectors and flanged couplings. This process was not only fast but also notable for the minimal time required for the installation of mechanical fittings. Pexgol's ability to handle high pressures and temperatures, along with its corrosion resistance, ensured reliable and long-lasting operation.

EMESA's positive experience with Pexgol underscores the importance of choosing high-quality and resistant materials for critical applications in the energy sector.



The Advantages of Pexgol Pipe Systems



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.



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.



Excellent chemical and corrosion resistance

Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.



Long pipe sections

Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.



High temperature resistance

Working temperatures can range from -50°C / -58°F up to 110°C / 230°F .



Creep and impact resistance

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.

For more information please visit:
pexgol.com

