

RoscoeMossDISPATCH

Field stories and the tools that fuel them.



Latin America Spotlight : Part 1

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A Well is an Asset

Not an Expense

Roscoe Moss Company (RMC) has enjoyed the privilege of working with water well drilling contractors, consultants, and owners around the world for over seven decades. The country of Mexico with which RMC has a 50-year track record represents the largest international market for the company. Within that country, RMC has manufactured well casing and screen for a variety of water well projects in the mining, agriculture, and municipal markets, some of which utilized highly corrosion-resistant material for seawater extraction and desalination plants with others having used High-Strength Low-Alloy (HSLA) steel for deep mining dewatering wells. In these deep wells, HSLA steel carries the maximum collapse strength rating in the market, with successfully installed depths of 1,100 meters (3,608ft).

Pump House and Completed Well Head

► Queretaro, Mexico

In 2022, a large Multinational food-products corporation completed a well for their beverage production/bottling plant in Queretaro, Mexico. Sophisticated well owners understand a well is an operating asset, and should not be viewed solely as an expense. Based on the depth and water quality, combined with the desired operational life of the well asset, their engineers agreed the most appropriate material of choice to be Stainless Steel 304L Well Casing and Ful Flo Louvered Screen.

This team collaboration between Mexican hydrogeologists, a Mexican based drilling contractor and Roscoe Moss Company all contributed to deliver a well that exceeded the average pumping rate of the area by approximately two-fold. Furthermore, the water production was completely sand free and the dynamic water levels allowed a well efficiency above 90%. The Ful Flo Louvered Screen pattern, with its downward facing slot geometric angle, allowed for aggressive and intense well development which restored the proper hydraulic conductivity between the aquifer and the well, thus contributing to the high well efficiency values. In dollar terms, this meant pumping more water at a lesser energy cost.

Most importantly, the decision of using corrosion resistant Stainless Steel 304L Casing and Screen guaranteed the well owner that this well will last the intended lifetime.

The results obtained by this well have redefined the owner's business projection for this plant and will allow a greater ROI for the company as a whole.



Drill Site