

Case Study: New Wells in Mexico Designed for Optimum Performance by Industry Leaders

Introduction

For decades, water wells in Mexico have been designed and constructed with casing and screen that limited their performance. Why? Because owners told the drilling contractors that they wanted a new well completed as quickly as possible at the lowest possible cost. The contractors complied and installed poor-quality materials such as PVC or thin-walled, low-carbon steel and inefficient well screen. The results were predictable. The owners saddled themselves with low-cost wells that had very low efficiency, low production, a high rate of corrosion, and high maintenance.

Recently, there has been a big change in the way some well-informed industrial and agricultural companies in Mexico have begun to think about new water wells. While cost is still a concern to them, their principal interests are to hire contractors to construct the best possible wells that are high producers, durable, and reliable. How do they get these results? It is simple:

1. They seek out reliable contractors who use internationally accepted methods of design, drilling and well construction.
2. They demand that contractors use high quality casing and well screen.

The following companies in Mexico have followed these two simple steps and have successfully installed new wells that meet their objectives.

- Proctor & Gamble
- Bonafont Danone
- Giante Verde (General Mills)
- Penasquito Mine
- La Platosa
- Con Agua (CNA)
- Cadbury (Kraft Foods)
- Megaterra

Summary

Roscoe Moss Company has worked closely with these firms and has demonstrated that without a doubt new water wells can be completed in Mexico to meet internationally accepted standards of performance if owners demand it. These companies listed above are perfect examples of that. They now operate wells that minimize their maintenance costs and maximize their production. Roscoe Moss Company is ready, willing and able to assist others to achieve similar results.

About the Author

Robert Turnbull is the Chief Hydrogeologist of Roscoe Moss Company. In this capacity he provides technical support, as needed, to consultants, municipalities, and water districts to plan and design water supply wells. He can be contacted for such information or to answer inquiries regarding this technical memorandum via email at rturnbull@roscoemoss.com. His website is www.blthydro.com. The corporate website for Roscoe Moss Company is www.roscoemoss.com.