

## **ITT Pumps Used in Arizona Copper Mine**

Over 200 million pounds of copper are now extracted from huge piles of low grade ore, that used to just pile up, with the help of 90 all stainless steel 9100 series split case pumps from ITT. Split case pumps from ITT A-C pump are integral to this low cost solution. The first recorded mineral discoveries in the Arizona Clifton-Morenci district were made in about 1865 by volunteer Union soldiers from California who passed through the area.

The development of the Morenci open pit began in 1937. Since that time, more than 2.6 billion tons of ore and other rock material have been removed from the giant mine. The solvent extraction/electrowinning (SX/EW) plant at Morenci uses a relatively simple process to produce practically pure copper from slightly acidic water that has been percolated through huge stockpiles of copper-bearing rock. ITT A-C Pump recently delivered nine additional, all stainless steel 9100 series horizontally split case pumps to Phelps Dodge Morenci to assist in the SX/EW process. These pumps handle an acid bearing leaching solution used to recover copper from the low grade ore. With this sale, ITT A-C Pump now has 90 of these pumps at Phelps Dodge Morenci, and over 140 worldwide.