

City of Phoenix Various Well Sites

Project Name:	City of Phoenix Various Well Sites: <ul style="list-style-type: none">• Well No. 232• Well No. 233• Well No. 235• Well No. 250
Location:	City of Phoenix, Arizona
Owner:	City of Phoenix, Water Services Department
Project Construction Cost:	\$200,000 to \$1M

Various well sites were designed to incorporate the following equipment and systems:

Pumps to fill Reservoirs:

- These well pumps were equipped with waste and fill valves (automated) in order to fill reservoirs
- Well pump motors from 100HP to 350 HP on solid state soft starters
- Chlorination system was provided for chlorinating the discharge water into the reservoir(s)
- Flow, pressure, and level instruments were used for monitoring as well as controlling the well pumps
- SCADA system including PLCs and radios were designed for remote monitoring and control of the site

Pumps to Pressurized Systems:

- These well pumps were equipped to pump directly into the water system
- Well pump motors from 100HP to 350 HP on variable frequency drives
- Chlorination system was provided for chlorinating the discharge water into the system
- Flow, pressure, and level instruments were used for monitoring as well as controlling the well pumps
- SCADA system including PLCs and radios were designed for remote monitoring and control of the site
- These sites were equipped with hydro-pneumatic systems with compressors and level and pressure controls

