

# Oakdale Well Exceeds Design Capacity

The City of Oakdale comprehensive water plan recommended the installation of a new 1,000 gpm well to meet the needs of a growing community. The City decided to locate the new well and wellhouse west of the City Hall in Walton Park and to include a warming house as part of the wellhouse project.



The park setting required that the building architecture blend with the other park structures. Considerable interaction was necessary with the City staff to accomplish this.

The Jordan well was originally designed for 1,000 gpm capacity. The 1,500 gpm well is approximately 494 feet deep. After the construction of the well was completed, the well was test pumped and was sand free at 2,200 gpm. The well yields were much better than anticipated the City decided to increase the design capacity of the well to 1,500 gpm.

The City negotiated a change order with the contractor to increase the pump capacity, the size of the motor, and the piping. The change order was less than \$65,000 to upsize the well capacity to 1,500 gpm.

A 250 HP motor operates a vertical turbine pump to produce 1,500 gpm flow into the distribution system under full load conditions. The wellhouse also includes the chlorination and fluoridation feed equipment.



**Client: City of Oakdale**  
**Client Contact: Brian Bachmeier, City Engineer**  
**Year Completed: 2000**  
**Bid: \$633,224**  
**Final Construction Cost : \$713,265**  
**Change Order: 12.64%**



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