



## **Bond Del Rio Ranch** *Engineering*

For three years, Fann Environmental was a part of the development team of The Bond Ranch. This project, located in the Town of Chino Valley, was a planned area development with on 3500 acres of land. The development is to include a resort, two golf courses, a commercial “Town Center”, multi-family and single family residences, parks, lakes, and other amenities.

Our work began with the review of the water and sewer master plan developed by Shephard Wesnitzer, Inc. Fann Environmental performed field studies on the viability of the conversion of the existing irrigation wells on the property to potable water wells. Fann Environmental performed water quality analysis from several wells and completed an extensive study on arsenic concentrations in groundwater.

Fann Environmental provided cost modeling of water and wastewater systems design and construction for the entire project. Fann Environmental aided in the preliminary plat development of the Del Rio East Alpha, which will include 1800 to 2000 single-family residences. Fann Environmental has begun the design of the water production, storage and treatment facility for this phase of development. Fann Environmental also completed the preliminary design of a regional lift station and 23,000 linear feet of sewer force main that will serve the entire north side of the Town of Chino Valley. Fann Environmental was instrumental in negotiations with Town staff in the development of the water and wastewater infrastructure requirements. Fann Environmental worked with the project team members to develop a private water company for the development. This work included work with both the Arizona Corporation Commission and the Department of Water Resources.

**Owner:** Bond Ranch @ Del Rio Springs, LLC

**Project Completion Date:** December 2008\*

\*Project stopped due to economic downturn.

**Final Construction Cost:** \$185,773

**Engineer:** Fann Environmental

**Fann Environmental Key Personnel:**

Jeff Sawyer - Project Manager

**References:**

Kevin Nagai, Base Capital, 425-646-3030

