

# **LAS ANIMAS CONSOLIDATED CANAL COMPANY LAS ANIMAS CONSOLIDATED CANAL DIVERSION DAM PROJECT**



## **Project Description**

The Company provides irrigation water to approximately 5,600 acres near Las Animas, Colorado. The diversion dam is located on the Arkansas River about 7 miles west of Las Animas. The dam was constructed in the late 1800s and appears to have been modified numerous times to address deterioration of the structure and was at the end of its useful life. The dam was a 200-foot-wide sheet pile/concrete wall across the River to divert water into the canal system. The dam is connected to a reinforced concrete gate structure at the right bank of the river controls flows to the canal system and another gate to flushes sediments back to the river. The repair work included removal of the existing dam and replacing it with a roller compacted concrete dam. Additional project funding was provided by Consolidated Extension Canal Company and Xcel Energy (a large shareholder in both companies). The project was completed in March, 2011.

## **Project Data**

**Sponsor:** Las Animas Consolidated Canal Co.    **County:** Bent

**Water Source:** Arkansas River

**Terms of Loan:** \$77,265 for 30 years @ 2.75%

**Substantial Completion:** June 1, 2011

**Design Engineer:** W. W. Wheeler and Associates, Inc., Englewood, CO

**Contractor:** Gears, Inc., Crested Butte, CO

**Project Elements:** Construction of 20 ft high, 250 ft long, 4,000 cubic yard roller compacted concrete dam.