



Repair of West Reservoir No. 1 Outlet Works

West Reservoir and Ditch Company

Substantially Complete July 1, 2017



Project Description

The West Reservoir and Ditch Company operates West Reservoir No. 1, providing water seven miles eastward via Wakefield Ditch to Wakefield Mesa. The water is available for livestock as it traverses east Oak Mesa, and irrigates approximately 600 acres of hay and pasture. The current landowners use the Oak Mesa Reservoir and Ditch water for spring irrigation, and, when those flows are exhausted, use the West Reservoir flows for mid-summer to fall irrigation. The West Reservoir was improved in the early 1950s, but came to be under a storage restriction order from the Office of the State Engineer due to deterioration of the outlet pipe. The reconstruction of the dam project included a low-level outlet sized to meet SEO release requirements, an outlet stilling basin structure downstream of the dam for energy dissipation, an intake structure for a manually-operated slide gate and trash racks, and new riprap armoring on the upstream face of the dam.

| P R O J E C T D A T A | | |
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| <i>Sponsor:</i> West Reservoir and Ditch Company | <i>County:</i> Delta | <i>Water Source:</i> Jay Creek |
| <i>Type of Loan:</i> Reservoir Rehabilitation | <i>Board Approval Date:</i> November 2014 | |
| <i>Terms of Loan:</i> \$248,378.00 (Original) \$313,018.19 (Final) at 2.0% for 30 years | | |
| <i>Design Engineer:</i> RJH Engineers | | |
| <i>Contractor:</i> Rundle Construction | | |