

CARLSBAD IRRIGATION DISTRICT,  
AVALON DAM  
on the Pecos River 4 miles north of Carlsbad  
Carlsbad Vicinity  
Eddy County  
New Mexico

HAER No. NM-4-B

HAER  
NM  
8-CARL.V,  
1B-

PHOTOGRAPHS

MEASURED DRAWINGS

HISTORIC AMERICAN ENGINEERING RECORD  
National Park Service  
Rocky Mountain Regional Office  
Department of the Interior  
P.O. Box 25287  
Denver, Colorado 80225

HISTORIC AMERICAN ENGINEERING RECORD  
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Carlsbad Irrigation District,  
Avalon Dam  
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Documentation: 49 contemporary photographs (1990) (4x5 negatives and prints)  
28 photographic copies of historic photographs (4x5 negatives and prints)  
22 photographic copies of construction drawings (8x10 negatives and prints)  
2 measured drawings (1991)

Lon Johnson, photographer, February 1990: NM-4-B-2, 13, 22, 29

Fred Quivik, photographer, February 1990: NM-4-B-1, 3-12, 14-21, 23-28, 30-49

- NM-4-B-1 AVALON DAM - GENERAL VIEW OF RESERVOIR SHOWING PROXIMITY OF OUTLET WORKS, SUSPENSION BRIDGE, AND GATEKEEPER'S COMPLEX. VIEW TO NORTH
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- NM-4-B-44 AVALON DAM - TURBINE DRIVE SHAFT FOR NORTH CYLINDER GATE. VIEW TO NORTH-NORTHEAST
- NM-4-B-45 AVALON DAM - NORTH HOIST TOWER OF NORTH CYLINDER GATE. VIEW TO NORTHEAST
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- NM-4-B-49 AVALON DAM - INTERIOR VIEW OF GATEHOUSE. VIEW TO SOUTHEAST
- NM-4-B-50 AVALON DAM - Photographic copy of historic photo, c1889 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico) photographer unknown  
"ROCK CUT AND DAM AT HEAD OF DITCH ABOVE EDDY, N.M"
- NM-4-B-51 AVALON DAM - Photographic copy of historic photo, c1889 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico) photographer unknown  
VIEW OF EXCAVATION OF HEADGATE CHANNEL. ALSO SHOWS A PORTION OF DAM
- NM-4-B-52 AVALON DAM - Photographic copy of historic photo, c1890 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico) photographer unknown  
VIEW OF SCOURWAY THROUGH AVALON DAM DISCHARGING WATER
- NM-4-B-53 AVALON DAM - Photographic copy of historic photo, August 9, 1893 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico) photographer unknown  
"EDDY DAM. LOOKING EAST." VIEW OF COLLAPSED DAM

- NM-4-B-54 AVALON DAM - (Photographic copy of photo in Reservoirs for Irrigation, Water-Power, and Domestic Water Supply. New York: John Wiley & Sons, 1902.)  
"ROCK-FILL IN PROCESS OF CONSTRUCTION"
- NM-4-B-55 AVALON DAM - (Photographic copy of photo in Reservoirs for Irrigation, Water-Power, and Domestic Water Supply. New York: John Wiley & Sons, 1902.)  
"CANAL HEADGATES, LAKE AVALON DAM"
- NM-4-B-56 AVALON DAM - Photographic copy of historic photo, December 18, 1905 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
"REMAINING PORTIONS OF WASHED OUT TEMPORARY DAM"
- NM-4-B-57 AVALON DAM - Photographic copy of historic photo, July 18, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"SPILLWAY AND HEADGATES AT LAKE AVALON"
- NM-4-B-58 AVALON DAM - Photographic copy of historic photo, July, 18, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"BUILDINGS AT LAKE AVALON DAM SITE"
- NM-4-B-59 AVALON DAM - Photographic copy of historic photo, October 29, 1906 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
"OLD HEADGATES AT SPILLWAY NO. 1 SHOWING STOCKPILES FOR PAVING"
- NM-4-B-60 AVALON DAM - Photographic copy of historic photo, January 28, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"REINFORCED CONCRETE DIAPHRAGM, LOOKING WEST FROM EAST SIDE OF AVALON DAM"

- NM-4-B-61 AVALON DAM - Photographic copy of historic photo, 1907  
(original print located at the Carlsbad Irrigation  
District offices, Carlsbad, New Mexico)  
photographer unknown  
VIEW OF AVALON DAM RECONSTRUCTION
- NM-4-B-62 AVALON DAM - Photographic copy of historic photo, 1907  
(original print located at the Carlsbad Irrigation  
District offices, Carlsbad, New Mexico)  
photographer unknown  
VIEW SHOWING CONCRETE DIAPHRAGM AND WORKERS
- NM-4-B-63 AVALON DAM - Photographic copy of historic photo, c1908  
(original print filed in Record Group 115, National  
Archives, Washington, D.C.)  
F.G.H., photographer  
"GENERAL VIEW OF LAKE AVALON DAM"
- NM-4-B-64 AVALON DAM - Photographic copy of historic photo, May  
22, 1908 (original print filed in Record Group 115,  
National Archives, Washington, D.C.)  
W.J.L[ubken]., photographer  
"LAKE AVALON DAM, LOOKING TOWARDS U.S.R.S.  
HEADQUARTERS"
- NM-4-B-65 AVALON DAM - Photographic copy of historic photo, c1910  
(original print located at the Carlsbad Irrigation  
District offices, Carlsbad, New Mexico)  
photographer unknown  
VIEW OF U.S.R.S. ADMINISTRATIVE BUILDING (GATE KEEPER'S  
HOUSE)
- NM-4-B-66 AVALON DAM - Photographic copy of historic photo, May  
22, 1908 (original print filed in Record Group 115,  
National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"VIEW LOOKING EAST FROM WEST END OF AVALON DAM, SHOWING  
DOWNSTREAM FACE OF DAM"
- NM-4-B-67 AVALON DAM - Photographic copy of historic photo, May  
22, 1908 (original print filed in Record Group 115,  
National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"MAIN HEADGATES AT AVALON DAM"

- NM-4-B-68 AVALON DAM - Photographic copy of historic photo, May 22, 1908 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"LOOKING UPSTREAM FROM MAIN HEADGATES AT AVALON DAM, SHOWING SPILLWAY GATES AND GLIMPSE OF LAKE AVALON RESERVOIR"
- NM-4-B-69 AVALON DAM - Photographic copy of historic photo, May 22, 1908 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
W.J.L[ubken], photographer  
"LOOKING DOWN MAIN AVALON CANAL FROM HEADGATES OF AVALON DAM"
- NM-4-B-70 AVALON DAM - Photographic copy of historic photo, August 5, 1911 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
AUTOMATIC GATES AT SPILLWAY NO. 1
- NM-4-B-71 AVALON DAM - Photographic copy of historic photo, 1911 (original print located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
"VIEW SHOWING CONSTRUCTION OF THE CYLINDER GATES"
- NM-4-B-72 AVALON DAM - Photographic copy of historic photo, June 16, 1916 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
H.T.C., photographer  
"AVALON DAM CYLINDER GATES"
- NM-4-B-73 AVALON DAM - Photographic copy of historic photo, c1912 (original print located at the Carlsbad Irrigation District office, Carlsbad, New Mexico)  
photographer unknown  
VIEW OF SPILLWAY NO. 2
- NM-4-B-74 AVALON DAM - Photographic copy of historic photo, February 11, 1936 (original print filed in Record Group 115, National Archives, Washington, D.C.)  
Quinn, photographer  
"LAKE AVALON, SHOWING DAM AND SPILLWAYS"



- NM-4-B-75 AVALON DAM - Photographic copy of historic photo, April 10, 1938 (original print in "1938 Annual Report of the Carlsbad Project," located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
"AVALON DAM - CCC ROCK WORK AT SPILLWAY NO. 2"
- NM-4-B-76 AVALON DAM - Photographic copy of historic photo, 1939 (original print in "1939 Annual Report of the Carlsbad Project," located at the Carlsbad Irrigation District offices, Carlsbad, New Mexico)  
photographer unknown  
VIEW OF CCC WORKERS COMPLETING CONSTRUCTION OF  
SUSPENSION BRIDGE
- NM-4-B-77 AVALON DAM - Photographic copy of map dated 1895 (from Record Group 49, Division F, National Archives, Washington, D.C.)  
PLAT OF RESERVOIR NO. 2 BEING THE DISTRIBUTING  
RESERVOIR OF THE PECOS IRRIGATION AND IMPROVEMENT CO'S  
SOUTHERN CANAL SYSTEM [INCLUDES PLAN AND CROSS SECTION  
OF DAM]
- NM-4-B-78 AVALON DAM - Photographic copy of construction drawing dated August 1906 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
AVALON DAM - PLAN AND TYPICAL CROSS SECTION
- NM-4-B-79 AVALON DAM - Photographic copy of construction drawing dated February 1907 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
AVALON HEADGATES
- NM-4-B-80 AVALON DAM - Photographic copy of construction drawing c1908 (from aperture card located at Bureau of Reclamation, Salt Lake City).  
UNTITLED DRAWING OF AUTOMATIC FLOOD GATES. PARTIAL  
PLAN AND ELEVATION
- NM-4-B-81 AVALON DAM - Photographic copy of construction drawing c1908 (from aperture card located at Bureau of Reclamation, Salt Lake City)  
UNTITLED DRAWING OF AUTOMATIC FLOOD GATES. GATE  
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AVALON RESERVOIR - EAST END CIRCULAR SPILLWAY [SPILLWAY NO. 2]
- NM-4-B-83 AVALON DAM - Photographic copy of construction drawing dated December 13, 1911 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
AVALON RESERVOIR - WEST END CIRCULAR SPILLWAY [SPILLWAY NO. 2]
- NM-4-B-84 AVALON DAM - Photographic copy of construction drawing dated February 15, 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
LOCATION PLAN OF CYLINDER GATES
- NM-4-B-85 AVALON DAM - Photographic copy of construction drawing dated November 15, 1911 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
SECTIONS OF OUTLET CHANNEL WITH CYLINDER GATES
- NM-4-B-86 AVALON DAM - Photographic copy of construction drawing dated November 21, 1911 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
REINFORCEMENT OF CONCRETE LINING OF TUNNELS FOR CYLINDER GATE
- NM-4-B-87 AVALON DAM - Photographic copy of construction drawing dated January 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
21 FT. DIA. CYLINDER GATE [PARTIAL SECTIONS]
- NM-4-B-88 AVALON DAM - Photographic copy of construction drawing dated February 9, 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
METHOD OF CLOSING UP OLD GATE OPENINGS IN SPILLWAY AND ARRANGEMENT OF TURBINES, OPERATING CYLINDER GATES
- NM-4-B-89 AVALON DAM - Photographic copy of construction drawing dated February 15, 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
GUIDES, GIRDERS AND DUST GUARDS FOR 21 FT. DIA. GATES
- NM-4-B-90 AVALON DAM - Photographic copy of construction drawing dated January 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
DETAILS OF MECHANISM OF CYLINDER GATE

- NM-4-B-91 AVALON DAM - Photographic copy of construction drawing dated January 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
BRIDGES FOR CYLINDER GATES
- NM-4-B-92 AVALON DAM - Photographic copy of construction drawing dated January 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
DETAILS OF PLATFORM AND PIERS, CYLINDER GATES
- NM-4-B-93 AVALON DAM - Photographic copy of construction drawing dated June 25, 1914 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
TOP VIEW OF OPERATING PLATFORM FOR 21 FT. DIA. CYLINDER GATE
- NM-4-B-94 AVALON DAM - Photographic copy of construction drawing dated January 6, 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
GEAR STAND FOR 21 FT. DIA. CYLINDER GATE
- NM-4-B-95 AVALON DAM - Photographic copy of construction drawing dated January 19, 1911 [1912?] (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
BALANCING DEVICE FOR 21 FT. DIA. CYLINDER GATE
- NM-4-B-96 AVALON DAM - Photographic copy of construction drawing dated January 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
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- NM-4-B-97 AVALON DAM - Photographic copy of construction drawing dated February 26, 1912 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
ACCESSORIES OF TURBINE ARRANGEMENT CYLINDER GATES
- NM-4-B-98 AVALON DAM - Photographic copy of construction drawing dated July 23, 1938 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
HEADGATE CHANNEL BRIDGE. GENERAL PLAN AND CONCRETE DETAILS.
- NM-4-B-99 AVALON DAM - Photographic copy of construction drawing dated July 23, 1938 (from Record Group 115, Box 17, Denver Branch of the National Archives, Denver)  
HEADGATE CHANNEL BRIDGE. TIMBER DETAIL