

Dam: Cuchillo Negro

Country: USA

River: Cuchillo Negro

33°13'7.97"N 107°18'59.48"W

33.21888 -107.316521

Owner/Client: City of Truth or Consequences

Designer/Engineer: USACE, Albuquerque

Contractor: PCL Civil Constructors, Tempe, AZ

Purpose (code): F

Site start: 17.10.1989

RCC start: 08.03.1990

RCC completion: 07.05.1991

Site completion: 31.07.1991

Height (m): 50

Length (m): 186

Volume of RCC ($\text{m}^3 \times 10^3$): 75

Total volume ($\text{m}^3 \times 10^3$): 82

Reservoir capacity ($\text{m}^3 \times 10^6$): Unknown

Upstream slope: V

Forming of upstream face (code): (7)

Downstream slope: 0.90

Forming of downstream face (code): (17)

Spillway slope: separate

Forming of spillway face (code): Unknown

Depth of layers (mm): 300

Depth of lifts (mm): 300

Cement content (kg/m^3): 77

Pozzolan content (kg/m^3): 59

Code for pozzolan: (F)

RCCDAM Unique Serial No.: RCCDAM0080

Under Construction



RCCDAM0080UC

Completed Dam



RCCDAM0080CD

Google Earth



RCCDAM0080GE

Guide to Abbreviations

Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
 - ' GEVR/GE-RCC
 - * Stepped face

Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines