

Leon Dam and Leon Reservoir

OWNER

Eastland County Water Supply District. Water for Ranger, Olden, and Eastland.

ENGINEER (Design)

Freese, Nichols and Endress.

LOCATION

On the Leon River in Eastland County, 7 miles south of Ranger.

DRAINAGE AREA

252 square miles.

DAM

Type Earthfill
 Length 3,700 ft
 Maximum height 90 ft
 Top width 20 ft
 Top elevation 1,398.0 ft above msl

SPILLWAY (emergency)

Location Left of dam
 Type Natural ground
 Crest length 1,200 ft
 Crest elevation 1,382.0 ft above msl

SPILLWAY (service)

Location Near center of dam
 Type Drop inlet, 34.5 ft diameter
 Discharge conduit 11 ft diameter
 Crest elevation 1,375.0 ft above msl

OUTLET WORKS

Type Gated control tower
 Discharge 24-inch diameter concrete pipe
 Pump station location Below dam
 Treating plant location 4 miles north of dam

STATE AUTHORIZATION

Permit No. 1629 (Application No. 1753) July 8, 1952, authorized the construction of the dam and diversion of 12,000 acre-feet of water annually.

RESERVOIR DATA

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,398.0	—	—
Crest of emergency spillway	1,382.0	40,210	2,095
Crest of service spillway	1,375.0	27,290	1,590
Invert low flow outlet	1,335.0	870	104
Usable conservation storage space	—	26,420	—

GENERAL

Construction started January 13, 1953
 Impoundment of water began April 1954
 Dam completed June 1954
 General contractor McCorstin Construction Company
 Fort Worth, Texas
 Estimated cost of the dam \$384,600
 Total project cost \$585,800

