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

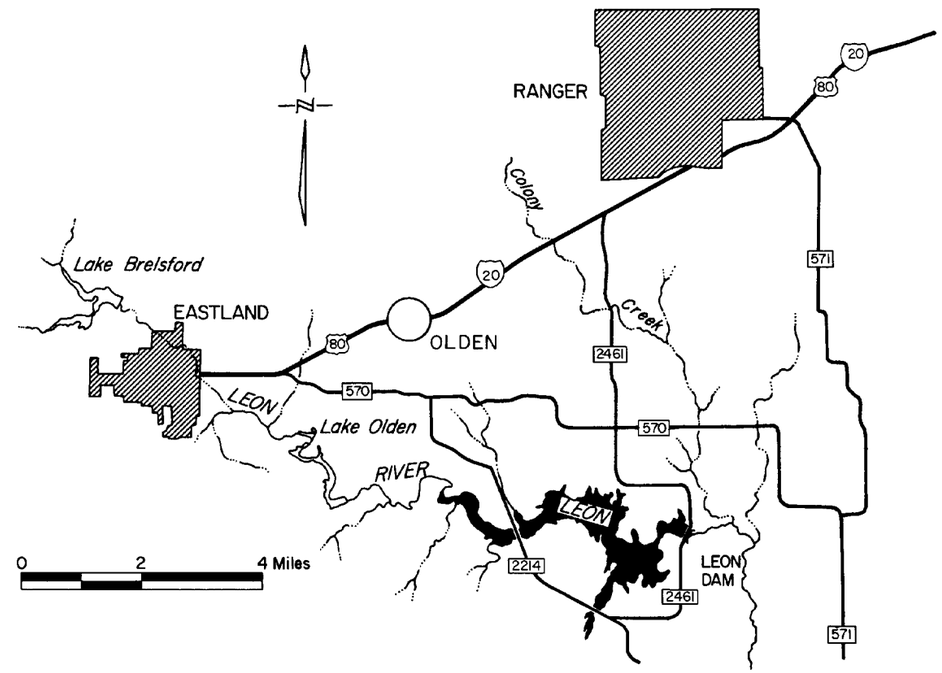
Permit No. 1629 (Application No. 1753) July 8, 1952, authorized the construction of the dam and diversion of 12,000 acre-feet of water annually.

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



Information courtesy of the Eastland County Water Supply District