

**North Fork Buffalo Creek Dam and North Fork Buffalo Creek Reservoir**

**OWNER**

Wichita County Water Control and Improvement District No. 3.

**ENGINEER (Design)**

E. L. Andrews.

**LOCATION**

On North Fork Buffalo Creek in Wichita County, 5 miles northwest of Iowa Park.

**DRAINAGE AREA**

33 square miles.

**DAM**

Type Earthfill  
 Length 4,645 ft  
 Maximum height 47 ft  
 Top width 14 ft  
 Top elevation 1,058.0 ft above msl

**SPILLWAY (emergency)**

Location Near left end of the dam  
 Type Excavation between levees  
 Control None  
 Crest length 600 ft  
 Crest elevation 1,050.0 ft above msl

**SPILLWAY (service)**

Type Rectangular drop inlet  
 Control None  
 Crest elevation 1,048.0 ft above msl  
 Outlet Box culvert, 5 by 5 ft

**OUTLET WORKS**

Type Vertical shaft, 5 by 5 ft  
 Top elevation 1,053.0 ft above msl  
 Control Gate valves on 4 openings  
 Outlet One cast iron pipe 24 inches in diameter with two 12-inch valve controlled outlets on downstream end for low flow and connection to pumping plant.

**STATE AUTHORIZATION**

Permit No. 2036 (Application No. 2239), December 7, 1962, authorizes the construction of a dam to impound 20,200 acre-feet of water.  
 Permit No. 2036A (Application No. 2239A), May 14, 1964, reduces the capacity to 15,400 acre-feet and authorizes the diversion of 1,120 acre-feet of water per year for municipal use.

**RESERVOIR DATA**

Capacity 15,400 acre-feet at elevation 1,048.0 ft above msl  
 Area 1,500 acres at elevation 1,048.0 ft above msl  
 Capacity 19,000 acre-feet at elevation 1,050.0 ft above msl  
 Area 1,730 acres at elevation 1,050.0 ft above msl

**GENERAL**

Construction started May 14, 1964  
 Dam completed November 10, 1964  
 Deliberate impoundment began November 10, 1964  
 General contractor Brown and Blakney, Inc.  
 Estimated cost of the dam \$542,880

