

**Kirby Dam and Kirby Lake**

**OWNER**

City of Abilene.

**ENGINEER (Design)**

Nagel, Witt, Rollins & Gilchrist.  
W. A. Riney, city engineer.

**LOCATION**

On Cedar Creek in Taylor County, 5 miles south of Abilene.

**DRAINAGE AREA**

44 square miles.

**DAM**

Type Earthfill  
Length 4,200 ft  
Height 50 ft  
Top width 20 ft  
Top elevation 1,795± ft above msl

**SPILLWAY**

Type Masonry and earth (uncontrolled)  
Location Right end of dam  
Crest length 550± ft  
Crest elevation 1,786.0 ft above msl  
Control None

**OUTLET WORKS**

Low flow 2 pipes, each 24 inch diameter  
Invert inlet box 1,756.0 ft above msl  
Service outlet 1 pipe 18-inch diameter connects to the 24-inch pipes  
Invert elevation 1,771.75 ft above msl

**STATE AUTHORIZATION**

Permit No. 1051 (Application No. 1126) January 23, 1928, authorized a dam to impound 8,500 acre-feet of water with annual appropriation of 14,000 acre-feet for municipal supply and 284 acre-feet for irrigation use.

**RESERVOIR DATA (Based on 1941 U.S. Soil Conservation Service survey)**

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,795.0±	—	—
Top of spillway	1,786.0	7,620	740
Low flow outlet	1,756.0	0	0
Usable conservation storage space	—	7,620	—

Original capacity of 8,440 acre-feet has been reduced by silting to 7,620 acre-feet.

**GENERAL**

Construction started 1927  
Dam completed 1928  
Impoundment of water began 1928  
General contractor Wornack  
Cost of the dam \$180,000

