Mineral Wells Dam and Lake Mineral Wells

OWNER

City of Mineral Wells.

ENGINEER (Design)

McClendon Engineering Company for the original dam.
Joe Rady for the 1943 spillway and modification.

LOCATION

On Rock Creek in Parker County, 4 miles east of Mineral Wells.

DRAINAGE AREA

63 square miles.

DAM (1970 conditions)

Type	Earthfill
Length	1,650 ft
Height	73.9 ft
Elevation top of dam	873.9 ft above msl

SPILLWAY

Type	Concrete
Length	932 ft
Spillway crest elevation	863.4 ft above msl

OUTLET WORKS

Type	Concrete conduit 4 by 5 ft
Control	Sluice gate
Water supply diversion	Pumped from the lake

STATE AUTHORIZATION

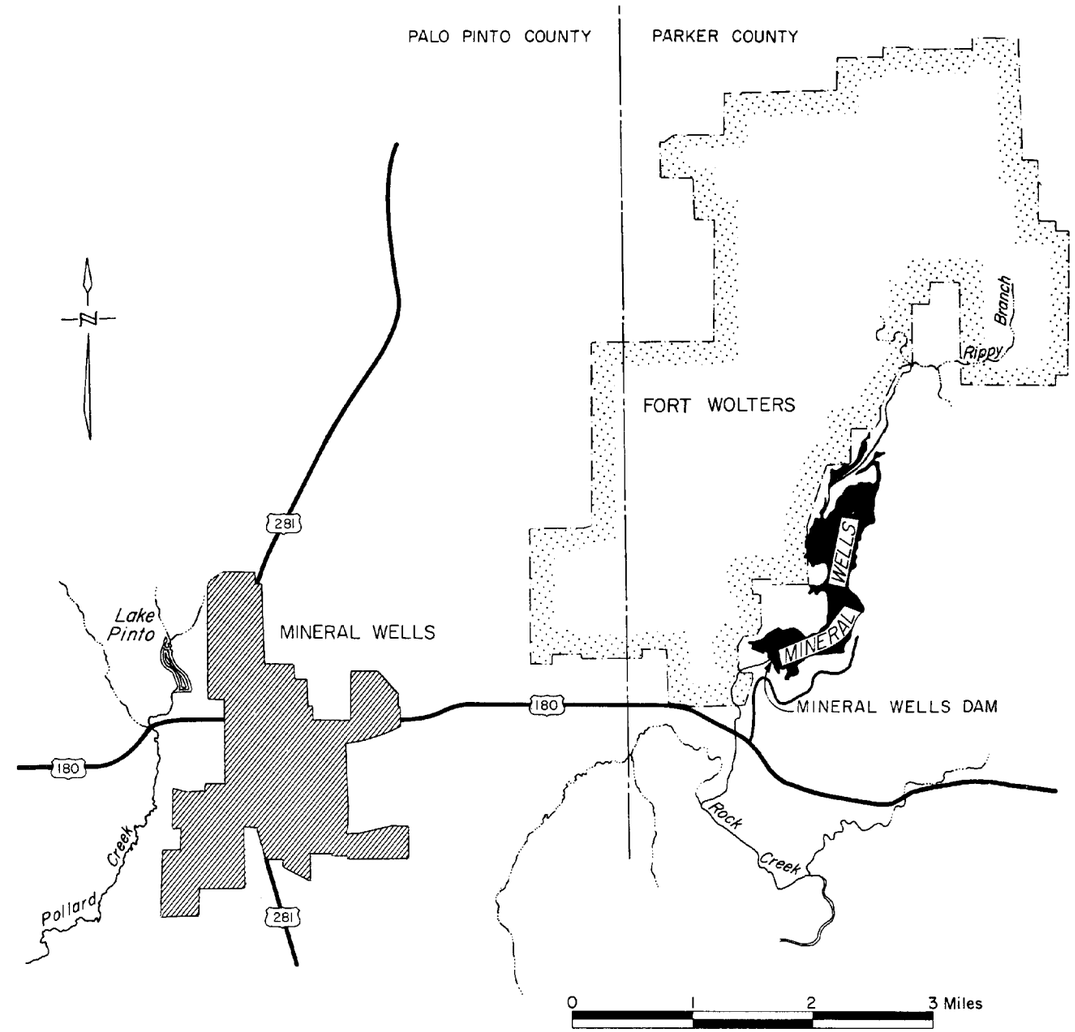
Permit No. 530A (Application No. 530) October 7, 1922, allows storage of 7,300 acre-feet and annual use of 1,680 acre-feet of water.
Permit No. 1352 (Application No. 1445) August 16, 1943, increases spillway height 2 feet, capacity to 8,140 acre-feet, and annual diversion to 2,520 acre-feet.
Permit No. 1663 (Application No. 1791) February 9, 1953, authorizes pumping water from the Brazos River. This diversion was abandoned in late 1950's.

RESERVOIR DATA (Based on Forrest and Cotton, Inc., August 1970 Report)

Capacity	6,760 acre-feet at elevation	863.0 ft above msl
Area	646 acres at elevation	863.0 ft above msl
Usable conservation storage space	6,760 acre-feet	

GENERAL

Original dam completed	September 1920
1943 enlargement began	August 18, 1943
Work completed	January 31, 1944
Diversion from Brazos River began	December 31, 1953



Information courtesy of the city of Mineral Wells

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