Palo Pinto Creek Dam and Lake Palo Pinto

OWNER

Palo Pinto County Municipal Water District No. 1. Operated by city of Mineral Wells.

ENGINEER (Design)

Freese, Nichols and Endress for the original dam.

LOCATION

On Palo Pinto Creek in Palo Pinto County, 15 miles southwest of Mineral Wells.

DRAINAGE AREA

471 square miles.

DAM

Type	Earthfill
Length	1,255 ft
Height	96 ft
Top width	22 ft
Top elevation	898.0 ft above msl

SPILLWAY

Location	Right end of the dam
Type	Concrete ogee
Length	550 ft
Crest elevation	867.0 ft above msl

OUTLET WORKS

Type	30-inch diameter concrete pipe
Invert elevation	835.0 ft above msl
Control	Motor-operated valves

Water flows in the creek to diversion lake 12 miles downstream.

STATE AUTHORIZATION

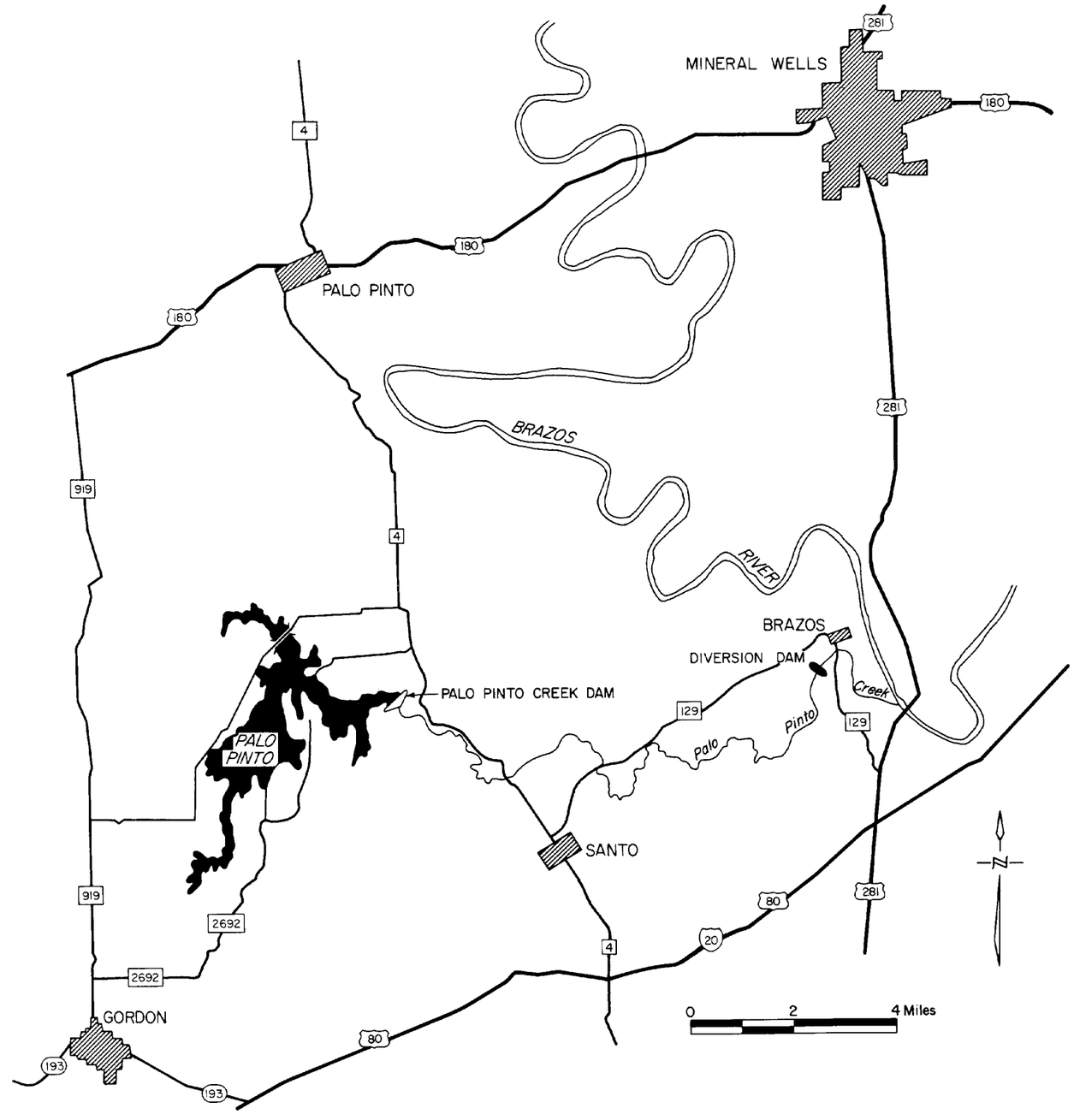
Permit No. 2031 (Application No. 2231) October 1, 1962, allows construction of a dam to impound 34,250 acre-feet of water and annual diversion of 10,000 acre-feet for municipal use and 6,000 acre-feet for industrial purposes.
Permit No. 2031A (Application No. 2231A) December 3, 1964, authorized raising spillway, increasing capacity to 44,100 acre-feet and changing municipal diversion from 10,000 to 12,500 acre-feet.

RESERVOIR DATA (Based on tables prepared by Freese, Nichols and Endress dated May 15, 1963)

Capacity at elevation 867.0 ft above msl	44,100 acre-feet
Area at elevation 867.0 ft above msl	2,661 acres
Capacity at invert elevation 835.0 ft above msl	1,900 acre-feet
Usable conservation storage space	42,200 acre-feet

GENERAL

Construction started	March 21, 1963
Deliberate impoundment began	April 16, 1964
Dam completed	April 20, 1964
Enlargement completed	November 13, 1965
Contractor (main dam)	Longview Construction Company
Cost of the dam	$707,200



Information courtesy of the Palo Pinto County Municipal Water District No. 1

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