

PALO DURO CREEK DAM AND RESERVOIR (PROPOSED)

OWNER

Palo Duro River Authority

ENGINEER

Freese and Nichols

LOCATION

12 miles north of Spearman on Palo Duro Creek

DRAINAGE AREA

614 square miles contributing

DAM

Type	Earthfill
Length	Estimated 3300 ft.
Maximum Height	115 ft.
Top Width	24 ft.
Top Elevation	2943.5 ft. MSL

SPILLWAY - Emergency

Type	Uncontrolled earth
Control	None
Elevation	2915 ft. MSL
Length	1000 ft.

OUTLET WORKS

Type	Controlled
Control	2 sets 5 ft. x 11 ft. Slide Gates
Invert Elevation	2828 ft. MSL
Diameter	11 ft. 0 in.

RESERVOIR DATA

Feature	Elevation (Feet above MSL)	Capacity (Acre-Feet)	Area (Acres)
Top of Dam	2943.5		
Top of Flood Pool	2909	110,500	3501
Normal Water Elevation	2892	60,900	2407
Low Water Elevation	2830	475	95

Information from Application sheets held by Texas Water Rights Commission and prepared by Freese and Nichols, Consulting Engineers, Fort Worth, Texas, April, 1974.

