

# Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, Willow Valley Irrigation District (Name of Applicant)

of Lorella (Postoffice), County of Klamath

State of Oregon, do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation

Established by order of County Court Dec. 1, 1917

1. The name of the proposed reservoir is Willow Valley Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is East Branch of Lost River and Duncan Springs tributary of Lost River

3. The amount of water to be stored is 4527 acre feet.

4. The use to be made of the impounded water is Irrigation (Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec.s. 18 and 19, T. 41 S., R. 14 1/2 E. (Give sections or townships to be submerged) and secs. 13, 24 and 12 of T. 41 S., R. 14 E. W. M.

(a) State whether situated in channel of running stream and give character of material at outlet E. Branch Lost river has a flood flow in winter and early spring and flow from Duncan Springs from 1/4 to 2 sec. ft. rest of year. Material at out let solid rock bottom and rimrock sides except in old channel, which is clay and boulders.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions

6. The dam will be located in Lot 4 Section 18, Sec. (Smallest legal subdivision) Lot 1 Section 19 Tp. 41 S., R. 14 1/2 E., W. M. It will be 25 feet in height, (No. N. or S.) (No. E. or W.)

\* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon.

having a length on top of 750 feet; length on bottom 200 feet; width on top 10 feet slope of front or water side 3:1 below water surface (Feet horizontal to 1 vertical) 2:1 above slope on back 1 1/2 :1 and 1:1 ; height of dam above water line when full 5.0 feet.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Rock fill at back and earth fill on front side with log boom for wave protection. Earth is yellow adobe. Rock is hard basalt. Rock riprap on front above elevation 93

8. The location of wasteway with dimensions are as follows: Spillways each end of dam (State whether over or around the dam) 120 ft. long north side and 40 ft. long on south end at spillway lip but when water reaches an elevation of 101 the actual length of spillway at water line will be about 430 feet

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Outlet culvert will be 18 in. concrete pipe with iron slide headgate and gate stand. Culvert is through the dam, but protected by concrete foundation on bedrock and cutoff walls.

10. The area submerged by the proposed reservoir, when full, will be 428 acres, at normal water surface, 449.64 acres at flood with a maximum depth of water of 20 feet; and approximate mean depth of water 10.6 feet.

11. The estimated cost of the proposed work is \$ 10,106.80

12. Construction work will begin on or before as soon as possible

13. Construction work will be completed on or before

Duplicate maps of the proposed reservoir and storage works, prepared in accordance with the rules of the State Water Board, accompany this application.

Willow Valley Irrigation Dist. (Name of applicant)

Solomn Dewey, Pres.

R.C. Duncan, Secy.

Signed in the presence of us as witnesses:

(1) Alida Duncan, Lorella, Ore. (Name) (Address of witness)

(2) Sol Dewey, Jr., Lorella, Ore. (Name) (Address of witness)



Application No. R-7397

Reservoir Permit No. R-628

**PERMIT**

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

District No.....

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 6 day of July, 1920, at 1:30 o'clock P.M.

Returned to applicant for correction:

Corrected application received:

Approved:

February 10, 1930

Recorded in Book No. 3 of Reservoirs, on Page 628

R. H. E. A. L. U. P. E. R. State Engineer.