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\* Reservoir Permit No. R 5831

STATE ENGINEER  
SALEM, OREGON

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

CERTIFICATE NO. 48092

I, Melvin B. Howell  
(Name of Applicant)

of Star Route, Box 300, Forest Grove, Oregon 97116  
(Mailing Address)

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

1. The name of the proposed reservoir is Howell Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is an unnamed stream tributary to Little Beaver Creek.

tributary of Gales Creek

3. The amount of water to be stored is 2.73 ac-ft. natural capacity  
7.0 ac-ft. w/borrow removed 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. West 1/2 of SE 1/4 Section 24  
(Give sections or townships to be submerged)

Tp. 2N, R. 5W, W.M., in the county of Washington

(a) State whether situated in channel of running stream and give character of material at outlet  
situated in channel of running stream. Character of material of outlet is  
clay with organic material

(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 NW 1/4 of the SE 1/4, Sec. 24  
(Smallest legal subdivision)

Tp. 2N, R. 5W, W.M. The maximum height will be 14 feet above stream bed or ground

surface on center line of dam. The length on top will be 415 feet; length on

bottom 415 feet; width on top 10 feet; slope on front

or water side 1 to 4; slope on back 1 to 3; height of dam above water line  
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

when full 4 feet.

\* 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 97310.

B 2834

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: The dam to be a homogeneous earth fill with compacted clay cut-off trench. Earth to be borrowed from spillway and from upstream portion of reservoir area. Embankment above water line to be seeded with grass for wave protection.

8. The location of wasteway with dimensions are as follows: wasteway to be constructed (State whether over or around the dam) of earth around the West side of the dam. Wasteway to be 43 feet in width with an exit slope of 0.067 ft/ft.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: outlet conduit to be a 12 inch corrugated metal pipe - asbestos bonded. (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)

10. The area submerged by the proposed reservoir, when full, will be 1.04 acres, with a maximum depth of water of 8 feet; and approximate mean depth of water 7 ac-ft = 6.7 1.04 ac feet.

11. The estimated cost of the proposed work is \$5,000

12. Construction work will begin on or before August 1972

13. Construction work will be completed on or before October 1972.

x Melvin E. Howell (Signature of applicant)

STATE OF OREGON, } ss. County of Marion,

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before, 19.....

WITNESS my hand this ..... day of ....., 19.....

STATE ENGINEER

By H 2834

ASSISTANT



Application No. R-49516  
Reservoir Permit No. **R 5831**

**PERMIT**

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

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 26 day of July, 1977 at 1:00 o'clock P.M.

Returned to applicant:

Approved:

September 8, 1972

Recorded in Book No. \_\_\_\_\_ of Reservoirs, on Page **R 5831**

**CHRIS L. WHEELER**  
State Engineer

Drainage Basin No. 2 page 528A

Fees 30.00