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\* Reservoir Permit No. R-1083

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

I, MARVIN E. YOUNG (Name of Applicant)

of Venator (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 no

1. The name of the proposed reservoir is South Fork Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is South Fork of Malheur River

tributary of Malheur River

3. The amount of water to be stored is 161.0 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. 7  
(Give sections or townships to be submerged)

Tp. 27 S, R. 36 E, W. M., in the county of Harney

(a) State whether situated in channel of running stream and give character of material at outlet

Situated in channel of running stream. Material at outlet

rock and heavy clay

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions In addition to the natural flow, water from melting snow

will also be stored

6. The dam will be located in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, Sec. 7  
(Smallest legal subdivision)

Tp. 27 S, R. 36 E, W. M. The maximum height will be 27.5 feet above stream bed or ground

surface on center line of dam. The length on top will be 648 feet; length on

bottom 697 feet; width on top 14 feet; slope of front

or water side 3:1; slope on back 2:1; height of dam above water line  
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

when full 5.0 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.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: This is an earthfill type dam to be increased in heighth- 7.5 feet. Material available adjacent to site , consisting of clay and rock is to be used for this work. Protection from wave action will be placing of riprap along upstream slope at high water line

8. The location of wasteway with dimensions are as follows: Wasteway will be around end of dam, Bottom width- 58 feet with side slopes of 3:1 and 2:1

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Outlet pipe, concrete, 12" bell and spigot, will extend through dam, Gate and sloping stem to be installed with control placed on top of dam. Existing tower and walkway to be dismantled.

10. The area submerged by the proposed reservoir, when full, will be 22.4 acres, with a maximum depth of water of 20.5 feet; and approximate mean depth of water 8.1 feet.

11. The estimated cost of the proposed work is \$ 6000.00

12. Construction work will begin on or before when approved

13. Construction work will be completed on or before January 1, 1951

(Sgd) Marvin E Young (Name 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 correction or completion as follows:

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

Remarks: South Fork Dam was constructed in 1948. The Applicant now proposes to increase the height from elevation 100.00 to elevation 107.50.

The present upstream slope of 3:1 will not be disturbed, however it is proposed to place some riprap at such points where wave action has eroded the earth slope. The rock blanket on the existing downstream slope is to be removed to a point below the toe of the downstream slope and to be again used for a rock blanket on the new slope to be developed through the increased height. All new fill material will be placed on the downstream side of the existing fill after the existing fill has been excavated to the lines shown on the accompanying plans. To increase the height will also increase the length a distance of 354.0 feet.

STATE OF OREGON, }  
County of Marion, } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: The right herein granted is limited to the construction of South Fork Reservoir and the storage of water from South Fork of Malheur River, to be appropriated under Application No. 25413, Permit No. 19897 for supplemental irrigation.

The right hereunder shall be limited to the storage of ~~10000~~ 49.2 acre feet.

The priority date of this permit is November 2, 1950

Actual construction work shall begin on or before January 31, 1952

and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1952

WITNESS my hand this 31st day of January, 19 51

CHAS. E. STRICKLIN  
STATE ENGINEER

O P  
F. S

Application No. R-25112

Reservoir Permit No. R-1083

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**PERMIT**

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

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This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 2nd day of November, 1950, at 8:00 o'clock A. M.

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Approved:

January 31, 1951

Recorded in Book No. 4 of Reservoirs, on Page R-1083

CHAS. E. STRICKLIN

STATE ENGINEER

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STATE PRINTING DEPT.

Drainage Basin No. 10 page 20

Fees Paid \_\_\_\_\_

Fees paid \$15.61