

Application No. G-9143

Permit No. G 8624

RECEIVED
MAY 18 1979

STATE OF OREGON WATER RESOURCES DEPARTMENT
Application for a Permit to Appropriate Ground Water
WATER RESOURCES DEPT.
SALEM, OREGON

I, Department of Agriculture, U.S. Forest Service, Rogue River National Forest
(Name of Applicant)

of P. O. Box 520 (Mailing Address), Medford (City)

State of Oregon, 97501 (Zip Code) Phone No. 779-2351, ext 502-503 do hereby

make application for a permit to appropriate the following described ground waters of the State of Oregon:

- The development will consist of sub surface drainage
(Give number of wells, tile lines, infiltration galleries, etc.)
having a diameter of 4 inches and an estimated depth of 4 feet.
sump pump structure
- The well or other source is to be located 2155 ft. S and 1075 ft. E
(N. or S.) (E. or W.)
from the NW corner of Section 15
(Public Land Survey Corner)
N/A
(If there is more than one well, each must be described)

being within the ¼ of the ¼ of
Sec. Tp. R. , W. M., in the county of Jackson

3. Location of area to be irrigated, or place of use if use other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
37S	2W	16	SE¼ SE¼	31.77
37S	2W	16	NE¼ SE¼	40.59
37S	2W	16	NW¼ SE¼	16.74
37S	2W	16	SE¼ NE¼	20.30
37S	2W	16	SW¼ NE¼	22.03
37S	2W	16	NE¼ SW¼	4.43
37S	2W	16	SE¼ NW¼	3.92
37S	2W	15	SW¼ NW¼	30.28
37S	2W	15	NW¼ SW¼	40.59
37S	2W	15	SW¼ SW¼	33.03

continued on attached page.

4. It is estimated that N/A feet of the well will require casing.
(Kind)

5. Depth to water table is estimated N/A Well drilled by
(Feet)

6. The amount of water which the applicant intends to apply to beneficial use is 3.19 cubic feet per second or 1,428 gallons per minute. (SEE ITEM 10)

7. The use to which the water is to be applied is supplemental irrigation and frost control for forest tree seedlings.

8. If the flow to be utilized is artesian, the works to be used for the control and conservation of the supply when not in use must be described.

Water from the subsurface drainage system will be re-cycled into the Nursery's 104 acre feet reservoir. The subsurface water that is not utilized will be discharged into Jackson Creek.

9. If the location of the well, or other development work is less than one-fourth mile from a natural stream channel, give the distance to the channel and the difference in elevation between the stream bed and the ground surface at the source of development.

The top of the sump development for the subsurface drainage system is located 200 feet west of Jackson Creek and is 10 feet higher in elevation than the bottom of the stream.

10. DESCRIPTION OF WORKS

Include length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

The development will consist of 30 miles of subsurface drainage pipe having a diameter of 4-15 inches and an estimated depth of 4 feet. Water will flow from the subsurface drainage system to the sump pump structure where 3 submersible, centrifugal pumps, (2 electric 20 hp pumps at 1100 gpm and 1-5 hp pump at 500 gpm) will pump water through 1060 feet of 8 inch pipe into the Nursery reservoir.

Water from subsurface drainage system will be used as follows:

Irrigation - 3.19 cu. ft./sec. April 1 - October 1

Frost Control - 4.9 cu. ft./sec. Oct. 1 - Dec. 15 and Mar. 1 - Apr. 1

11. Construction work will begin on or before Sump pump structure November 1978.

12. Construction work will be completed on or before October 1, 1980

13. The water will be completely applied to the proposed use on or before October 1, 1981

14. If the ground water supply is supplemental to an existing supply, identify the supply and existing water right. Reservoir R6727, Irrigation 42461, Temperature Control 42460.

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Attachment to Application No. G-9143

Continuation of Item 3

Township	Range	Section	$\frac{1}{4}$ $\frac{1}{4}$ of Section	Acres to be irrigated
37	2W	15	SE $\frac{1}{4}$ NW $\frac{1}{4}$	0.83
37	2W	15	NE $\frac{1}{4}$ SW $\frac{1}{4}$	2.07
37	2W	15	SE $\frac{1}{4}$ SW $\frac{1}{4}$	2.07
37	2W	15	NW $\frac{1}{4}$ NW $\frac{1}{4}$	0.03
37	2W	16	SW $\frac{1}{4}$ SE $\frac{1}{4}$	3.99
37	2W	21	NE $\frac{1}{4}$ NE $\frac{1}{4}$	1.24
37	2W	21	NW $\frac{1}{4}$ NE $\frac{1}{4}$	0.31
37	2W	22	NW $\frac{1}{4}$ NW $\frac{1}{4}$	0.74

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Remarks: The subsurface drainage system was installed in 185 acres of the tree seedling growing area during late 1977 and early 1978. All perforated drainage pipe installed in the growing area is 4 inches in diameter and is buried at a depth of 4 feet. Ten-to fifteen-inch solid pipe delivers the subsurface drainage water to the sump pump structure.

The subsurface drainage water will be re-cycled through the 104 acre foot reservoir back to the forest tree seedling growing area. Subsurface drainage is in 185 acres that lies between Jackson Creek and Upper Horn Creek. See shaded area on attached plat.

Signature of Applicant
Donald E. Mosby

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

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before ~~June 18~~ July 23, 1979.

WITNESS my hand this 22nd day of May, 1979.
James E. Sexson Water Resources Director

By *Ralph H. Jackson*
Ralph H. Jackson

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This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 23rd day of FEBRUARY, 1979, at 8:00 o'clock A.M.

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Permit to Appropriate the Public Waters of the State of Oregon

G 8624

This is to certify that I have examined the foregoing application and do hereby grant the same, **SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING MINIMUM FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD** and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed **4.9** cubic feet per second measured at the point of diversion from the well or source of appropriation, or its equivalent in case of rotation with other water users, from **subsurface drainage**.

The use to which this water is to be applied is **supplemental irrigation and frost control**; being **2.81 c.f.s.** for supplemental irrigation, and **4.9 c.f.s.** for frost control.

If for irrigation, this appropriation shall be limited to **1/80th** of one cubic foot per second or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed **2 1/2** acre feet per acre for each acre irrigated during the irrigation season of each year; provided further that the right allowed herein shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein.

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

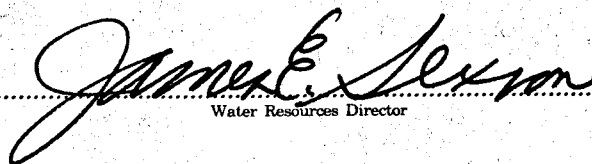
The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The priority date of this permit is **February 23, 1979**

Actual construction work shall begin on or before **August 31, 1980** and shall thereafter be prosecuted with reasonable diligence and be completed on or before **October 1, 1980**

Complete application of the water to the proposed use shall be made on or before **October 1, 1981**

WITNESS my hand this **31st** day of **August**, 19**79**


Water Resources Director

[Handwritten initials]