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WATER RESOURCES DEPT
SALEM, OREGON

G 7176

Permit No. G-.....

APPLICATION FOR A PERMIT

CERTIFICATE NO. 48113

To appropriate the Ground Waters of the State of Oregon

658-3952

I, Clyde H. Rice and Virginia L. Rice
(Name of applicant)
of 17180 S.E. Eilers Cir., Clackamas
(Postoffice Address), county of Clackamas
state of Oregon 97005, do hereby make application for a permit to appropriate the following described ground waters of the state of Oregon, SUBJECT TO EXISTING RIGHTS:

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

1. Give name of nearest stream to which the well, tunnel or other source of water development is situated Clackamas River
(Name of stream)

tributary of Willamette River

2. The amount of water which the applicant intends to apply to beneficial use is _____ cubic feet per second or 9 gallons per minute for one hour every other day.

3. The use to which the water is to be applied is irrigation of orchard and vineyard and vegetable garden

4. The well or other source is located 489'4" S. and 64 W. ft. from the SE corner of stone set for the center of Section 18, Township 2 South, Range 3 East of the Willamette Meridian
(N. or S.) (E. or W.)
(Section or subdivision)
(If preferable, give distance and bearing to section corner)

(If there is more than one well, each must be described. Use separate sheet if necessary)
being within the State of Oregon SESW of Sec. 18, Twp. 2 S., R. 3 E., W. M., in the county of Clackamas

5. The pipe line to be 400 ft miles in length, terminating in the N.E. quarter of S.W. quarter of Sec. 18, Twp. 2 S., R. 3 E., W. M., the proposed location being shown throughout on the accompanying map.
(Canal or pipe line) (Smallest legal subdivision)

6. The name of the well or other works is Bittern Well

DESCRIPTION OF WORKS

7. 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.

8. The development will consist of one shallow well having a diameter of 5 ft inches and an estimated depth of 12 feet. It is estimated that three tank casings will be required. 4 feet of the well will require foot septic casing. Depth to water table is estimated 4 ft.
(Kind) (Feet)

CANAL SYSTEM OR PIPE LINE—

9. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(b) At miles from headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(c) Length of pipe, 400 ft.; size at intake 1-1/2 in.; in size at 10 ft. from intake 3/4 in.; size at place of use 1/2 in.; difference in elevation between intake and place of use, 10 ft. Is grade uniform? Yes Estimated capacity, 550 gal. per hour.

10. If pumps are to be used, give size and type Electric driven high pressure pump of 1/2 h.p. motor.

Give horsepower and type of motor or engine to be used 1/2 h.p. 115 volts Capacitator Start 3,450 RPM

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

600 ft from the Clackamas River. The bottom of the well will be 5 ft higher than the streambed.

12. Location of area to be irrigated, or place of use

Table with 5 columns: Township N. or S., Range E. or W. of Willamette Meridian, Section, Forty-acre Tract, Number Acres To Be Irrigated. Row 1: 2 S, R 3 E, 18, N.E. quarter of the S.W. quarter of Sec. 18, 1 acre.

(If more space required, attach separate sheet)

Character of soil Sandy loam

Kind of crops raised Vegetable garden, vineyard and orchard

MUNICIPAL SUPPLY—

13. To supply the city of
in county, having a present population of
and an estimated population of in 19.....

ANSWER QUESTIONS 14, 15, 16, 17 AND 18 IN ALL CASES.

- 14. Estimated cost of proposed works, \$ 1,000
- 15. Construction work will begin on or before May 1977
- 16. Construction work will be completed on or before July 1977
- 17. The water will be completely applied to the proposed use on or before July 30, 1977

18. If the ground water supply is supplemental to an existing water supply, identify any application for permit, permit, certificate or adjudicated right to appropriate water, made or held by the applicant. Considered below in remarks. (As we're unable to locate the copy of permit of existing well we enclose the copy of Water Well Report -kindly return with reply.)

Clark W. Rice Virginia L. Rice
(Signature of applicant)

Remarks: The proposed well is on Clackamas River bottomland composed of coarse gravel overlaid with sand and topsoil. We will intermittently draw the water that percolates from the river through the gravel underlay. Among the many people on the river in summer boating, rafting and etc., are the vandals. Our stretch of the river has a beach where they land - picnic tables are broken up and even concrete firepits destroyed. An intake and pump could not be concealed here and would be smashed with boulders in a week and what copper there was removed. Thus it would not be feasible to put a pump on the river as I would like to do. Instead I hope to make a much smaller operation in a swale in the middle of our field, which will be similar to collecting water in a cistern, for the flow is not great. Every third day in summer we will water the 60 trees and 120 grapevines through a drip irrigation system conveyed by a total length of 3,000 ft of 1/2" tubes at 10 lb pressure, which lie on top of the ground along the rows with an orifice for each tree and vine. It is very economical with water. Our garden, however, is watered with hose and sprinklers. Our other well is in a water-bearing strata that supports many wells and in late summer produces very little water for us. By using this proposed setup we will relieve our use of this so vital to the community water source. We expect to have the bottom of the well below the level of the river surface but above the level of the river's bottom.

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

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.....

1977

STATE ENGINEER

By ASSISTANT

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

PERMIT

G 7176

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS 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 0.01 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 a well

The use to which this water is to be applied is irrigation

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;

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

The well shall be cased as necessary in accordance with good practice and if the flow is artesian the works shall include proper capping and control valve to prevent the waste of ground water.

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 17, 1977

Actual construction work shall begin on or before April 4, 1978 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1978

Complete application of the water to the proposed use shall be made on or before October 1, 1979

WITNESS my hand this 4th day of April, 1977

James E. Larson
WATER RESOURCES DIRECTOR

Application No. G-7747
Permit No. G-7176

PERMIT

TO APPROPRIATE THE GROUND
WATERS OF THE STATE
OF OREGON

This instrument was first received in the
office of the State Engineer at Salem, Oregon,
on the 17 day of February,
1977, at 8 o'clock A. M.

Returned to applicant:

Approved:

Recorded in book No. G 7176
of Ground Water Permits on page

STATE ENGINEER

Drainage Basin No. 2 page 152

3059

Revised 11.00

PC