

APPLICATION FOR A PERMIT

To appropriate the Underground Waters of the State of Oregon

I, Harney Branch Experiment Station (Name of applicant)

of Burns (Postoffice), county of Harney,

state of Oregon, do hereby make application for a permit to appropriate the following described underground waters of the state of Oregon, subject to existing rights:

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

State Experiment Station established 1911.

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

tributary of

2. The amount of water which the applicant intends to apply to beneficial use is 1 1/2 acre feet cubic feet per second, for the irrigation of 182.67 acres.

3. The place where the water is to be pumped or developed is located Small well, SW SE approximately 2200 ft. E. & 804 ft. N. of SW sec. corner. Large well is approx. 1250 ft. E. & 1808 ft. North of SW sec. corner. (Give distance and bearing from section corner)

being within the NW 1/4 SW 1/4 & SW 1/4 SE 1/4 of Sec. 7, Twp. 23 S, R. 32 EWM, W. M., in the county of Harney

4. The (Canal or pipe line) to be miles in length, terminating in the NE 1/4 SW 1/4; SW 1/4 SW 1/4; SE 1/4 SE 1/4 of Sec. Twp. R. W. M., the proposed location being shown throughout on the accompanying map. (Smallest legal subdivision)

5. The name of the well or other works is The 8 inch well is designated "Small well" and the 18 inch well as the "Large well"

DESCRIPTION OF WORKS

6. 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.

7. The development will consist of two wells (Give number of wells, tunnels, etc.) having a diameter of 8 & 18 inches and an estimated depth of 170 & 87 feet.

8. A description of the pipe lines, canals or other distributing works is as follows: Diameter of pipe _____, length _____, kind _____ (Wood, cast iron, wrought, concrete) Difference in elevation between ground surface at well and discharge end of pipe, _____ feet. If canal used in addition to pipe, give description. Width on top (at water line) _____ feet; width on bottom _____ feet; depth of water _____ feet; grade _____ feet fall per 1,000 feet.

9. If pumps are to be used, give size and type No. 7 Kimball Direct Flow Turbine (9 Sec.) Fairbanks, Morse Price Turbine, 2 stage, 50 ft. column.

Give capacity and type of motor or engine to be used 15 H.P. Fairbanks, Morse Oil Engine, Type Y 15 H.P. Vertical direct connected motor, 3 phase, 60 cycle, 1800 R.P.M. F.M. & Co. Motor

10. 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 B. M. at small well 4138.70 B. M. at Large well 4135.44

11. The land to be irrigated has a total area of 182.67 acres, located in each smallest legal subdivision, as follows: NW 1/4 SW 1/4 31.22 SW 1/4 SW 1/4 31.45; NE 1/4 SW 1/4 40; SE 1/4 SW 1/4 40; SW 1/4 SE 1/4 40, Sec. 7, Twp. 23 S., Range 32 E. W. M.

12. Estimated cost of proposed works, \$ 6500.00

13. Development work will begin on or before 1911 & 1927

14. Development work will be completed on or before 1933

15. The water will be completely applied to the proposed use on or before 1933

Duplicate maps of the proposed system, prepared in accordance with the rules of the State Engineer, accompany this application.

HARNEY BRANCH EXPERIMENT STATION (Name of applicant)

By Obil Shattuck, Superintendent.

Signed in the presence of us as witnesses:

(1) C. A. Byrd, Burns, Oregon (Name) (Address of witness) (2) Julian Byrd, Burns, Oregon (Name) (Address of witness)

Remarks: The above water is to be used for growing experimental and demonstration crops and crops on fertilizer experiments, rotations, duty of water, varietal, cost of production and numerous other experiments that the management may see fit to conduct from time to time. This water will be used economically and efficiently at all times.

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 correction or completion, as follows:

Completion and correction

In order to retain its priority, this application must be returned to the State Engineer, with corrections, on or before August 28, 1931, 192.....

WITNESS my hand this 28th day of July, 1931, 192.....

CHAS. E. STRICKLIN

EL

STATE ENGINEER.

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: This appropriation shall be limited to one-eightieth of one cubic foot per second, or its equivalent, for each acre irrigated, and shall be subject to such reasonable rotation system as may be ordered by the proper State officer. The right herein granted is limited to the appropriation of 2.28 second-feet of water from two wells located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ & SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7, Twp. 23 S., R. 32 E., W. M. for irrigation of 182.67 acres

The amount of water appropriated shall be limited to the amount which can be applied to beneficial use and not to exceed 2.28 cubic feet per second, or its equivalent in case of rotation. The priority date of this permit is July 27, 1931.

Actual construction work shall begin on or before September 25, 1932 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1933

Complete application of the water to the proposed use shall be made on or before October 1, 1934

Witness my hand this 25th day of September, 1931

CHAS. E. STRICKLIN

STATE ENGINEER.

Permits for power development are subject to the limitation of franchise as provided in Section 5728, Oregon Laws, and the payment of annual fees as provided in Section 5803, Oregon Laws.

Application No. U-62

Permit No. U-58

PERMIT

TO APPROPRIATE THE UNDER-
GROUND WATERS OF THE
STATE OF OREGON

Division No. District No.

*This instrument was first received in the
office of the State Engineer at Salem, Oregon,
on the 27th day of July,
1931, at 8:00 o'clock AM.*

Returned to applicant for correction:

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Corrected application received:

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Approved:

September 25, 1931

Recorded in Book No. 1 of

Permit, on page 58

CHAS. E. STRICKLIN
STATE ENGINEER.

Fees Paid \$5.00