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STATE ENGINEER
SALEM OREGON

CERTIFICATE NO. 42743

Permit No. G-4835

APPLICATION FOR A PERMIT

To appropriate the Ground Waters of the State of Oregon

We, Carson P. and Elizabeth M. Merkley
(Name of applicant)
of P. O. Box 63, Bly (97622), county of Klamath
(Postoffice Address), state of Oregon, 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 Sprague River
(Name of stream)

tributary of Williamson River

2. The amount of water which the applicant intends to apply to beneficial use is 6.23 cubic feet per second or gallons per minute.

3. The use to which the water is to be applied is Irrigation and Supplemental Irrigation

4. The well or other source is located ft. and ft. from the corner of N 55° 53' W - 1325.3 feet from the Southeast Corner of Section 29, T.36 S., R.14 E., W.M.
(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 SE $\frac{1}{4}$ -SE $\frac{1}{4}$ of Sec. 29, Twp. 36 S., R. 14 E., W. M., in the county of Klamath

5. The Main Ditch to be 1.9 miles in length, terminating in the SE $\frac{1}{4}$ -SW $\frac{1}{4}$ of Sec. 29, Twp. 36 S., R. 14 E., W. M., the proposed location being shown throughout on the accompanying map.
(Canal or pipe line) NW $\frac{1}{4}$ -NW $\frac{1}{4}$
(Smallest legal subdivision)

6. The name of the well or other works is Well No. 2

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 1 Well having a diameter of 18 inches and an estimated depth of 485 feet. It is estimated that 24 feet of the well will require 18" x $\frac{1}{4}$ " Steel casing. Depth to water table is estimated 42'-6"
(Kind) (Feet)

CANAL SYSTEM OR PIPE LINE—

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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) 5.0 feet; width on bottom 2.0 feet; depth of water 1.5 feet; grade 0.3 feet fall per one thousand feet.

Easterly from Pump
(b) At 0.4 miles from headgate: width on top (at water line) 2.5 feet; width on bottom 0.5 feet; depth of water 1.0 feet; grade 0.3 feet fall per one thousand feet.

(c) Length of pipe, 14 ft.; size at intake 12 in.; in size at same ft. from intake in.; size at place of use same in.; difference in elevation between intake and place of use, -- ft. Is grade uniform? Yes Estimated capacity, 6.5 sec. ft. (Pump Discharge to Ditch Only)

10. If pumps are to be used, give size and type Deep Well Turbine with 14" Bowls and 10" Column.

Give horsepower and type of motor or engine to be used 100 H.P., V.H.S., Direct

Question No. 12 - Location of area to be irrigated:

Township & Range	Section	40-Acre Tract	Area to be irrigated			
			Primary	Supplemental		
T.36 S., R.14 E., W.M.	28	SW $\frac{1}{4}$ -NE $\frac{1}{4}$		33.1 Acres		
		SE $\frac{1}{4}$ -NE $\frac{1}{4}$		13.7		
		NE $\frac{1}{4}$ -NW $\frac{1}{4}$		12.7		
		NW $\frac{1}{4}$ -NW $\frac{1}{4}$		34.5		
		SW $\frac{1}{4}$ -NW $\frac{1}{4}$		39.8		
		SE $\frac{1}{4}$ -NW $\frac{1}{4}$	20.0 Acres	20.0		
		NE $\frac{1}{4}$ -SW $\frac{1}{4}$	24.5			
		NW $\frac{1}{4}$ -SW $\frac{1}{4}$	8.0			
		SW $\frac{1}{4}$ -SW $\frac{1}{4}$	9.2			
		SE $\frac{1}{4}$ -SW $\frac{1}{4}$	11.0			
		NE $\frac{1}{4}$ -SE $\frac{1}{4}$		40.0		
		NW $\frac{1}{4}$ -SE $\frac{1}{4}$	20	35.6 370		
		SW $\frac{1}{4}$ -SE $\frac{1}{4}$	20.0			
		SE $\frac{1}{4}$ -SE $\frac{1}{4}$	122	26.2 140		
		29		SW $\frac{1}{4}$ -NE $\frac{1}{4}$	5.4	
				NW $\frac{1}{4}$ -NW $\frac{1}{4}$	1.8	
				SW $\frac{1}{4}$ -NW $\frac{1}{4}$	6.2	
				SE $\frac{1}{4}$ -NW $\frac{1}{4}$	10.2	
				NE $\frac{1}{4}$ -SW $\frac{1}{4}$	15.3	
				NE $\frac{1}{4}$ -SE $\frac{1}{4}$	26.3	
NW $\frac{1}{4}$ -SE $\frac{1}{4}$	39.7					
SW $\frac{1}{4}$ -SE $\frac{1}{4}$	18.6					
SE $\frac{1}{4}$ -SE $\frac{1}{4}$	18.8					
			264.6 Acres	229.4 Acres		
			2492	2448		
			494.0			

Character of soil Sandy Clay Loam

Kind of crops raised Cereals, Legumes, Row Crops, and Pasture Grasses.

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, \$ 45,000
- 15. Construction work will begin on or before Well already drilled
- 16. Construction work will be completed on or before October 1, 1972
- 17. The water will be completely applied to the proposed use on or before October 1, 1973

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. This application is, in part, supplemental to adjudicated rights from Sprague River.

Remarks:
x Carson Mubley
(Signature of applicant)
Elizabeth Mubley

In filing this application the applicants do not waive or abandon any vested rights appurtenant to said land.

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 revision

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before February 16th, 1971

WITNESS my hand this 16th day of December, 1970

RECEIVED
JAN 4 1970
STATE ENGINEER
SALEM, OREGON

CHRIS L. WHEELER
STATE ENGINEER
By Larry W. Jebousek
ASSISTANT

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

PERMIT

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 6.2 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 one well.....

The use to which this water is to be applied is ..irrigation and supplemental irrigation.....

If for irrigation, this appropriation shall be limited to 1/80 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 ... 3 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 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 September 4, 1970.....

Actual construction work shall begin on or before April 26, 1972..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1972.....
Extended to Oct. 1 1973

Complete application of the water to the proposed use shall be made on or before October 1, 1973.

WITNESS my hand this 26th day of April, 1971

STATE ENGINEER

Application No. G-5309
Permit No. G-4835

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 4th day of September, 1971, at 8:00 o'clock A.M.

Returned to applicant:

Approved:

April 26, 1971

Recorded in book No. of

Ground Water Permits on page 4835

CHRIS L. WHEELER
STATE ENGINEER

Drainage Basin No. 1A page 38

1005 30 20