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STATE ENGINEER
SALEM

* Reservoir Permit No. **R 5413**

CERTIFICATE NO. **39887**

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

I, BUREAU OF LAND MANAGEMENT, DISTRICT OFFICE
(Name of Applicant)

of FEDERAL Bldg., U.S. Ct. HSE., 6th & Holly, P.O. Box 1047
(Mailing Address) MEDFORD, OREGON

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

FEDERAL GOVERNMENT

1. The name of the proposed reservoir is MERLIN SEED ORCHARD

2. The name of the stream from which the reservoir is to be filled and the appropriation made is UNNAMED STREAM, RUNOFF WATERS FROM SEC. 4 & 9, T. 35S., R. 6W.
tributary of JUMPOFF JOE CREEK

3. The amount of water to be stored is 16.22 - 4.72 = 11.50 acre feet.

4. The use to be made of the impounded water is SUPPLEMENTAL IRRIGATION
(Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 9
(Give sections or townships to be submerged)
Tp. 35S., R. 6W., W.M., in the county of JOSEPHINE

(a) State whether situated in channel of running stream and give character of material at outlet
UNNAMED INTERMITTANT STREAM - SEE PLANS & SPECS.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions
DRAINAGE - RUNOFF WATER FROM 540 ACRES, SECS. 4 & 9, T. 35S., R. 6W., Will. MER.

6. The dam will be located in E 1/2, S.E. 1/4, N.W. 1/4, Sec. 9
(Smallest legal subdivision)
Tp. 35S., R. 6W., W.M. The maximum height will be 16 feet above stream bed or ground surface on center line of dam. The length on top will be 556 feet; length on bottom 500 feet; width on top 16 feet; slope on front or water side 4:1; slope on back 3:1; height of dam above water line when full 5 feet.
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

* 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 97310.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: COMPACTED EARTH FILL, SEE ATTACHED PLAT
RIP RAP AT WATER LINE - SEEDED BANKS ON
WEST & EAST SIDES

8. The location of wasteway with dimensions are as follows: (State whether over or around the dam)
85 FEET WEST FROM CENTER OF DAM, CONCRETE
SPILLWAY STRUCTURE, 16 FEET LONG, 5 FEET HIGH,
ROCK STILLING BASIN.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 24 INCH C.M.P. ASBESTOS-BONDED & DOUBLE
(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)
BITUMINOUS COATED, CLOSED & DOUBLE RIVETED C.M.P.,
WITH COUPLERS (ARMO TYPE PL-5C-R4G)

10. The area submerged by the proposed reservoir, when full, will be 1.97 ^{2.87} acres,
with a maximum depth of water of 8.7 ^{15.0} feet; and approximate mean depth of water
2.4 ^{5.65} feet. ltr 3-4-69

11. The estimated cost of the proposed work is \$ 20,000⁰⁰

12. Construction work will begin on or before 11/30/67

13. Construction work will be completed on or before 11/30/68

Merlin Carter
(Signature of applicant)
MEDFORD DISTRICT ENGINEER
(B.L.M.)

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.....

STATE ENGINEER
By ASSISTANT

Remarks:

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 Merlin Seed Orchard Reservoir and storage of water from an unnamed stream to be appropriated under application No. 45708, permit No. 34095 for supplemental irrigation

The right hereunder shall be limited to the storage of 11.5 acre feet.

The priority date of this permit is January 15, 1969

Actual construction work shall begin on or before July 17, 1970 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1971

WITNESS my hand this 17th day of July, 1969

[Signature]
STATE ENGINEER

O.K.
for
11.5 ACF

Application No. R-45707
Reservoir Permit No. R 5413

PERMIT

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

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 15th day of JANUARY, 1969, at 8:00 o'clock A. M.

Returned to applicant:

Approved:

JULY 17, 1969

Recorded in Book No. _____ of _____

Reservoirs, on Page R 5413

CHRIS L. WHEELER
State Engineer

Drainage Basin No. 15 page 7826

Fee \$ 20.00