

* Reservoir Permit No. R-959

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ASSIGNED See Misc. Rec. Vol. 4

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

We, Kern Brothers

(Name of applicant)

of Diamond, County of Harney

(Post office)

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

1. The name of the proposed reservoir is Kern Brothers Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is

Dry Krumbo Creek

tributary of Blitzen River

3. The amount of water to be stored is 1,220 acre feet.

4. The use to be made of the impounded water is Irrigation

(Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 32, 33, T. 30 S., R. 32 E. W. M.

(Give sections or townships to be submerged)

and Sec. 1, T. 31 S., R. 32 1/2 E. W. M.

(a) State whether situated in channel of running stream and give character of material at outlet

In channel of running stream, part of year, Character of outlet

very rocky, not subject to wash

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give

name and dimensions

6. The dam will be located in SE 1/4 SE 1/4, Sec. 32

(Smallest legal subdivision)

Tp. 30 S., R. 32 E., W. M. It will be 52 feet in height,

(No. N. or S.)

(No. E. or W.)

* 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.

having a length on top of 315 feet; length on bottom 80 feet; width on top 20 feet slope of front or water side 3:1 (Feet horizontal to 1 vertical)
 slope on back 2:1 (Feet horizontal to 1 vertical); height of dam above water line when full 5 feet.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Earth fill. Rip-raped on water side with rock

8. The location of wasteway with dimensions are as follows: End of southwest end of dam (State whether over or around the dam)
is at Sta. 3-00. The center of the spillway is at 4-50. The spillway is
100 feet wide, 400 feet long, grade 0.4 per 100 feet, will have solid rock
bottom throught its entire length.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet pipe will be asphalt impregnated steel pipe 18" in diameter. (State whether through or around the proposed dam)
Located at Sta 1-53. Headgated Hardisty sloping headgate, with control/buried stem
in face of dam.

10. The area submerged by the proposed reservoir, when full, will be 104 acres,
 with a maximum depth of water of 46 feet; and approximate mean depth of water 21.5 feet.

11. The estimated cost of the proposed work is \$ 16780

12. Construction work will begin on or before Oct 1, 1948

13. Construction work will be completed on or before Jan 1, 1950

~~Duplicate maps of the proposed reservoir and storage works, prepared in accordance with the rules of the State Water Board, accompany this application.~~

(Sgd) Kern Bros
 (Name of applicant)

By Stephen Kern

Signed in the presence of us as witnesses:

(1) _____ (Name) _____ (Address of witness)

(2) _____ (Name) _____ (Address of witness)

Remarks: This project has great merit. Both the dam site and the reservoir site are exceptionally good. The foundation and the material for the earth fill have been examined by Mr. Stricklin and approved. This application is filed to cover a proposed increase in the height of dam under Permit No. R-837 because since Permit No. R-837 was issued it has been determined that the increase is advisable — not to store additional water but because with the added height a natural spillway becomes available as shown on the accompanying plans.

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 enlargement of Kern Bros. Reservoir and the storage of water from Dry Krumbo Creek to be appropriated under Application No. 23476, Permit No. 18571, for supplemental irrigation.

The right hereunder shall be limited to the storage of 1,220 acre feet.

The priority date of this permit is August 26, 1948

Actual construction work shall begin on or before April 25, 1950

and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1951

WITNESS my hand this 25th day of April, 1949.

CHAS. E. STRICKLIN
STATE ENGINEER

Application No. R-23384.....

Reservoir Permit No. R-959.....

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 26th day of August, 1948, at 3:00 o'clock P. M.

Approved:

April 25, 1949.....

Recorded in Book No. 4..... of
Reservoirs, on Page R-959.....

CHAS. E. STRICKLIN.....
STATE ENGINEER

STATE PRINTING DEPT.

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Fee paid 25.10