

No. 48275-2

Office of State Engineer
DOCUMENT FILE

Dist. Agt. Charleston Adm.
Full River Co.

1/4 Cor. Sec. 13, T. 28, R. 8, E.

Date of priority October 25, 1937

24.98 acre for appropriation

Wm. A. Shaw

Form 24A

CERTIFICATE OF CONSTRUCTION OF WORKS

and
APPROPRIATION

U. S. Water Right No. U. S. 275-2

U. S. D. Job No. 326-117
Name of Project

White River Water District

TO ALL WHOM IT MAY CONCERN:

This is to Certify, that the United States of America, Department of
Agriculture, Reclamation Administration, has complied with the
(State) Laws and has been issued a withdrawal No. U. S. 275 bearing date of
October 25, 1937 drawing from further appropriation 24.98 acre-
feet per annum of water for storage; of the waters of a Dry Run in the
County of Fall River, State of South Dakota, at a point N. 51° 30' W
2605' from the S. 1/4 Cor. Sec. 13, T. 12 S., R. 8 E.
for Stock Water purposes;
has fully complied with the provisions of the laws of the State of South
Dakota relating to completion of the works set out and described in
Section 6110157, that said works are completed in accordance with infor-
mation filed in the office of the State Engineer, and 24.98 acre-feet
per year is thereby appropriated for the above purposes bearing date of
priority of October 25, 1937

Witness my hand this 13th day of September 1939

State Engineer.

Form A

CERTIFICATE OF WITHDRAWAL
of
WATER FOR APPROPRIATION
to the
UNITED STATES OF AMERICA
DEPARTMENT OF
AGRICULTURE
RESEILMENT ADMINISTRATION

Withdrawal No. U.3.276

Revised Code 226-117

White River Water District
Water Division No. 2
Appropriation-Stream

County, Lincoln

The United States of America, Department of Agriculture, having authority of education to utilize certain heretofore unappropriated public waters of the State of South Dakota, in accordance with the requirements of the statutes of the State of South Dakota, such statutes and authority being contained in Section 61.0137 1939 Revised Code of South Dakota, now therefore;

This is to certify that there is hereby reserved of the heretofore unappropriated waters of the the annual amount of 13 acre-feet of water to maintain the reservoir created by damming said stream at a point No. 117 feet distant from the Corner of Section 13 Township 30 N. Range 28 E. The purpose of such storage is for stock water of dam

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of the a maximum of 11 cubic feet per second to be diverted through the bank ditch, canal or pipe line at a point located on the bank feet distant from the Corner of Section Township 30 N. Range 28 E. for the purpose of the during the months of the

This certificate and withdrawal shall in no manner prejudice, alter, amend or affect the rights of any prior appropriator or prior appropriation of water, nor of any application for appropriation pending on the date of this certificate, but the rights and privileges of any and all such prior appropriators or applicants for appropriation of water shall remain inviolate and intact, the same as if the within withdrawal had not been made.

This certificate shall be and is subject to cancellation in accordance with the provisions of the statutes heretofore referred to and under the authority of which this certificate is issued.

In accordance with the provisions of the statutes heretofore referred to, this certificate is executed at the State Capitol at Pierre, South Dakota, this 25th day of October 1937.

State Engineer

RA-7LU-28

DESCRIPTION OF EARTH IMPOUNDING DAM
RESERVOIR AND SPILLWAY DAM NO. 226

JOB NUMBER 226 - 117

Resettlement Administration
Lincoln, Nebraska

Region VII

Project South Dakota LD-SD-1
State Number

A. Location of Dam and Reservoir Tract 1498
of the Sec. 15 ; Township 12 S ; Range 8 E ;
of the Black Hills Meridian, County Hall River

- B. General Data
1. Area of drainage basin above dam: .75 sq. miles.
(Note: For areas greater than 5 sq. miles give size to nearest sq. mi.; for areas smaller than 5 sq. miles give area to nearest tenth.)
 2. Average annual precipitation on water shed in inches: 19.81
 3. Give amount of rainfall in inches and duration of the heaviest downpour that can be expected based upon reliable records or information of the vicinity.
 - a. 4.83 inches. $R = 2.25'' / \text{hr.}$
 - b. 24 Hours minutes. $G = .3$
 - c. U. S. Weather Bureau $S = 15' / 1000'$
Source of information. $H = .035$
 4. Give description of water shed.
 - a. The slopes are sod-covered, cultivated, bare.
Grass land.
- (Note: Answer (a) by striking out words not needed. Only a general description is wanted. If desired, a word or two may be given in the space that is provided.)
- b. Average length of drainage basin 1.5 miles.
 - c. Average width of drainage basin .5 miles.
 5. Maximum run-off of drainage area at the dam site: 133
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 22.4 ft.
2. Length along centerline at top of dam: 281.0 ft.
3. Width of top: 10 ft.
4. Upstream slope: 4 ft. horizontally to 1 ft. vertically.
5. Downstream slope: 3 ft. horizontally to 1 ft. vertically.
6. Volume in embankment: 13,130 cu. yds.
7. Distance above high-water line to top of dam: 5.0 ft.
8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 2.6 ft.

D. Description of Spillway

1. Bottom width: 25 ft.
2. Slope of sides: 1 1/2 : 1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 3.10 ft. per hundred ft.
4. Maximum discharge: 152.4 cu. ft. per second.
5. Depth of water in spillway at time of maximum discharge: 2.5 ft.

(Note: The surface of water in the spillway must be at least 36" below the top of the dam when the spillway is discharging the maximum run-off of the drainage basin.)

E. Description of Reservoir

1. Area when filled to level of spillway: 2.50 acres.
2. Area when half-full: 1.81 acres.
3. Area at depth of two feet: .04 acres.
4. Volume when filled to level of spillway: 24.98 acre-ft.
5. Volume when half-full: 6.24 acre-foot.
6. Volume at depth of two feet: 11.04 acre-foot.
7. Average depth when full: 8.7 foot.

(over)

11. 43:60

That Oscar Hermstad, Project Manager, Bad Lands - Fall River Land
Adjustment Project, Resettlement Administration, U. S. Department of Agriculture,
whose post office is Rapid City, South Dakota, a citizen of the United
States, above the age of 21 years, being in possession of the following described
land in the name of the United States, to wit:

Said locator claims for the above purpose 1,088,129 cubic feet of water plus losses due to annual evaporation during the following described annual periods January 1st to December 31st, inclusive, each year.

Witness my hand and seal this 50th day of June, 1937.

County of penninton

И. К. ГОЛОВ

_____ H. K. Farnou _____ a Notary Public in and
for the County and State aforesaid, personally appeared Oscar Hornsted, Project
Manager _____ to me personally known to be the person who executed the
foregoing instrument and acknowledged that he executed the same for the use and
purposes therein set forth.

Witness my hand and official seal the day and date above written.

My Commission Expires:
July 10, 1939.

Notary Public

PETITION

TO DEAN W. LOUCKES
STATE ENGINEER
STATE OF SOUTH DAKOTA
PIERRE, SOUTH DAKOTA

Comes now Oscar Hermstad, Project Manager, Bad Lands - Fall River Land Adjustment Project, Resettlement Administration, U.S. Department of Agriculture, whose post office is Rapid City, South Dakota, a citizen of the United States, above the age of 21 years, being in possession of the following described land in the name of the United States, being desirous of obtaining a certificate from the State Engineer in accordance with Sec. 8239, Revised Code of the State of South Dakota, so petitions the State Engineer to wit:

In support of said petition, your affiant deposes and says:

(1) That notice of appropriation, copy of which is hereto annexed and made a part of this petition was posted under date of July 15, 1937, and recorded under date of September 7, 1937.

(2) That the dam referred to in said notice was completed under date of April 26, 1937.

(3) That said dam is 281.0 feet in length and 22.4 feet in height,

(4) That said dam is located upon the land described as follows:

NW¹SW¹ of Section 13, Twp 12 South, Rge 8 East,
BHD, Fall River County, South Dakota.

(5) That said land is to be used for State water purposes.

Wherefore your affiant respectfully requests that a certificate be issued to him in accordance with the law in such case made and provided.

FOR HENRY A WALLACE

SECRETARY USDA

Oscar Hermstad

Subscribed and sworn to before me this 23rd day of Sept., 1937.

H. H. Dunning
Notary Public

My commission expires: July 10, 1939.

RECEIVED

OCT 25 1937

OFFICE OF STATE ENGINEER

PIERRE, S. DAK.

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED

RECEIVED