

No. 11.1.3215

Office of State Engineer
DOCUMENT FILE

Rept. Agt. - Cattleman Am.
Jackson Co.

Det. R. F. J. R. J. E.

Priority: Oct. 25, 1937

37.81 Ave. ft. appropriated

By: [Signature]

CERTIFICATE OF CONSTRUCTION OF WORKS

and
APPROPRIATIONU. S. Water Right No. 321-2

LE-810-1 Job No. 22-46

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, Resettlement Administration, has complied with the State Laws and has been issued a withdrawal No. US 321 bearing date of October 25, 1937 withdrawing from further appropriation 37.81 acre-feet per annum of water for storage; of the waters of a Dry Draw in the Stream County of Jackson, State of South Dakota, at a point N. 76° 15' E. 1603' from the W. Cor. Sec. 18 T. 3S., R. 20E.

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 61.0137, that said works are completed in accordance with information filed in the office of the State Engineer, and 37.81 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 1937.

State Engineer.

Form A

CERTIFICATE OF WITHDRAWAL
of
WATER FOR APPROPRIATION
to the
UNITED STATES OF AMERICA
DEPARTMENT OF AGRICULTURE
BUREAU OF RECLAMATION

Withdrawal No. U.S. 321

LD-8D-1 Job No. 228-46

Name of Project

Jackson

County

Water Division No. 2
White River Water District
Dry Draw

Source of Appropriation-Stream
Agriculture, Resettlement

United States of America, Department of Agriculture, having filed "Notice of Intention" 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 annual amount of _____ acre-feet of water to maintain storage described as follows: N. 76 18 1/2 E. 18 1/2 S. 20 S to Northeast corner of Section _____, Township _____, Range _____ (end of dam). The purpose of such storage is _____.

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

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 hereinbefore referred to and under the authority of which this certificate is issued.

In accordance with the provisions of the statutes hereinbefore referred to, this certificate is attested at the State Capitol at Pierre, South Dakota, this _____ day of _____ 193____.

State Engineer

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

JOB NUMBER 226 -- 46

Region VII

Resettlement Administration
Lincoln, NebraskaProject South Dakota
StateLD-3D-1
Number

A. Location of Dam and Reservoir Tract 1686
 NW $\frac{1}{4}$ of the Sec. 18, Township 3 S; Range 20 E;
 of the Black Hills Meridian; County Jackson.

B. General Data

1. Area of drainage basin above dam: 1.0 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: 16.00

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. 3.05 inches.

R =

O =

b. 24 hours minutes.

S =

H =

c. U. S. Weather Bureau Records
 Source of information.

4. Give description of water shed.

a. The slopes are sod-covered, ~~cultivated, bare.~~

Clean grass slopes - 6'/1000' slope

(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 2.0 miles.

c. Average width of drainage basin 0.5 miles.

5. Maximum run-off of drainage area at the dam site: 120.0
 cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 17.6 ft.
 2. Length along centerline at top of dam: 215.4 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: 5704 cu. yds.
 7. Distance above high water line to top of dam: 5 ft.
 8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 4.7 ft.
-
-

D. Description of Spillway

1. Bottom width: 200 ft.
2. Slope of sides: 4:1 Natural (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 1.0 ft. per hundred ft.
4. Maximum discharge: 760.9 cu. ft. per second.
5. Depth of water in spillway at time of maximum discharge: 1.0 ft.

(Note: The surface of water in the spillway must be at least 30" 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: 5.59 acres.
2. Area when half-full: 2.13 acres.
3. Area at depth of two feet: 0.15 acres.
4. Volume when filled to level of spillway: 37.81 acre-ft.
5. Volume when half-full: 13.49 acre-foot.
6. Volume at depth of two feet: 0.15 acre-foot.
7. Average depth when full: 6.3 foot.

(over)

LOCATION NOTICE

KNOW ALL MEN BY THESE PRESENTS:

That Oscar Hermstad, Project Manager, Bad Lands - Full 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:

Tract 1686 NW¹₄
_____, Section 18, Township 3 S,
Range 20 E, B. H. M., in Jackson County, South Dakota.
Availing him self of the right granted him under the provisions of Chapter 2,
Article 1, Paragraph 8239 of the Revised Code of 1919, has located and claims the
right to construct a certain dam across a dry draw situated in the SE $\frac{1}{4}$ of the
NW $\frac{1}{4}$ of section 18, township 3 S, range 20 E, B.H.M., for Live
Stock Purposes.

Said locator claims for the above purpose 1,647,004 cubic feet of water plus losses due to annual evaporation during the following described annual periods January 1st to December 31st, inclusive, each year.

Said location was made on the 23 rd day of May, 1936.

Witness my hand and seal this 30th day of June, 1937.

Locator, Project Manager
Resettlement Administration,
U. S. Department of Agriculture

STATE OF SOUTH DAKOTA)
County of Pennington) ss

On the 30th day of June, 1937, before me _____

K. K. Damon, _____ a Notary Public in and
for the County and State aforesaid, personally appeared Oscar Hermstad,
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.

With ss my hand and official seal the day and date above written.

J. K. Danna
Notary Public

My Commission Expires: July 10, 1939.

RECEIVED

OCT 25 1937

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

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 December 9, 1936.

(3) That said dam is 215.4 feet in length and 17.6 feet in height.

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

SE $\frac{1}{4}$ of Section 18, Twp 3 South, Rge 20 East,
BHM, Jackson County, South Dakota.

(5) That said land is to be used for Stock 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

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

J. J. [Signature]
(Notary Public)

My commission expires: July 10, 1939.

RECEIVED

OCT 25 1937

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

SECRETARY OF STATE

RECEIVED

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(1) This letter is to inform you that the following is the result of the investigation conducted by the State Engineer's office on the subject of the alleged violation of the provisions of the Act of March 1, 1907, relating to the operation of the State Engineer's office.

On October 1, 1937, the State Engineer's office received a letter from the Secretary of the State of South Dakota, dated October 1, 1937, in which the Secretary requested that the State Engineer's office conduct an investigation into the alleged violation of the provisions of the Act of March 1, 1907, relating to the operation of the State Engineer's office.

(2) This letter is to inform you that the following is the result of the investigation conducted by the State Engineer's office on the subject of the alleged violation of the provisions of the Act of March 1, 1907, relating to the operation of the State Engineer's office.

On October 1, 1937, the State Engineer's office received a letter from the Secretary of the State of South Dakota, dated October 1, 1937, in which the Secretary requested that the State Engineer's office conduct an investigation into the alleged violation of the provisions of the Act of March 1, 1907, relating to the operation of the State Engineer's office.

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WILLIAM C. BROWN

STATE OF SOUTH DAKOTA

DEPARTMENT OF AGRICULTURE

STATE ENGINEER

PIERRE, S. DAK.