

No.

111 358-2

**Office of State Engineer
DOCUMENT FILE**

Dy. Ag. - Reclamation at
Jackson

See 18, T. 2 S. R. 18 E

Priority date: Oct 25, 1937

29.19 acre ft

W. H. Shaw

CERTIFICATE OF CONSTRUCTION OF WORKS
and
APPROPRIATION

U. S. Water Right No. 358-2Name of Project 225-112Water District 225-112

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. 358 bearing date of October 25, 1937 withdrawing from further appropriation 25.15 acre-feet per annum of 1 for storage, of the waters of a Dry Dry Creek County of Jackson, State of South Dakota, at a point S. of 301E. 1440' from the NW Cor. Sec. 18, T.28, R.10E.

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 29.15 acre-feet per year is thereby appropriated for the above purposes bearing date of priority of October 25, 1937.

Witness my hand this 9 day of September 1937.

State Engineer.

Form A

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

US 358

Withdrawal No. _____

LD-SD-1 Job (No. 226-92

Name of Project
JacksonWater Division No. 2
Red River Water District
Dry Draw

County _____

Source of Appropriation-Stream
Agriculture, Recreational

Administration The United States of America, Department of _____

_____ 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 unappro-
 priated waters of _____ No. 9 the annual amount of _____ acre-
 feet of water to maintain storage inscribed as follows: 8. 84 reservoir created
 by damming said stream at a point _____ 10 _____ 23 _____ 185 to the West end
 feet distant from the _____ Corner of _____ water, Township _____, Range _____ (of dam.
 The purpose of such storage is _____

This is to certify that there is hereby reserved, of the heretofore unappro-
 priated 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 appli-
 cants 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 deposited 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 - 92 (1)

Resettlement Administration
Lincoln, Nebraska

Region VII

Project South Dakota
State

LD-SD-1
Number

A. Location of Dam and Reservoir Tract 1342

NW 1/4 of the Sec. 18; Township 2 S; Range 18 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: 15.81

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. 5.18 inches. R =

b. 24 hours -minutes. S =

c. U. S. Weather Bureau H =

Source of information.

4. Give description of water shed.

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

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 1.0 miles.

c. Average width of drainage basin 1.0 miles.

5. Maximum run-off of drainage area at the dam site: 162
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 19.6 ft.
 2. Length along centerline at top of dam: 256.5 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: 9165 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: 2.5 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: 0.10 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 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: 5.06 acres.
2. Area when half-full: 1.43 acres.
3. Area at depth of two feet: .06 acres.
4. Volume when filled to level of spillway: 29.19 acre-ft.
5. Volume when half-full: 5.50 acre-foot.
6. Volume at depth of two feet: .06 acre-foot.
7. Average depth when full: 7.3 foot.

(over)

11. 11. 1971

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 1,271,516 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 30th day of June, 1937.

STATE OF SOUTH DAKOTA)
County of Pennington) ss

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

J. S. Danner
Notary Public

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 Hornstad, 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, 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 October 30, 1936.

(3) That said dam is 256.5 feet in length and 19.6 feet in height.

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

NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 18, Twp 2 South, Rge 18 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

Oscar Hornstad

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

J. J. Dancy
Notary Public

My commission expires: July 10, 1939.

RECEIVED

NOV 25 1937

NAVY

OFFICE OF STATE ENGINEER

PIERCE, S. DAK.

(1) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

(2) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

(3) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

(4) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

(5) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

(6) This report was received from the State Engineer at
Pierce, S. D., dated November 15, 1937.

PIERCE, S. D.
OFFICE OF STATE ENGINEER
PIERCE, S. D.
NOV 25 1937