

Doc. No. 145-2

Office of State Engineer
DOCUMENT FILE

Sept. 1911 - Seattle and Alou
Salmon River

July 7, 1937 - Priority Dec.
1441W 7 1429T 9.1 R 1.5

3.25 acre ft. appropriated

Arg. Brown

Form 24A

CERTIFICATE OF CONSTRUCTION OF WORKS

and

APPROPRIATION

U. S. Water Right No. 145-2

LU-SD-1 Job No. 243-110

Name of Project

Fall 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 Stat. Laws and has been issued a withdrawal No. U.S. 145 bearing date of July 7, 1939 withdrawing from further appropriation 3.25 acre-feet per annum of water for storage; of the waters of Fall River in the County of Fall River, State of South Dakota, at a point in the SE 1/4 Sec. 29 T. 9 S., R. 2 E., MM

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 3.25 acre-feet per year is thereby appropriated for the above purposes bearing date of priority of July 7, 1939.

Witness my hand this 7th day of July 1939.

State Engineer.

Form A

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

Withdrawal No. 8,6146

LU-SD-1 Job No. 243-110

Name of Project

Fall River
County

Dry Draw

Water Division No. 2

Fall River District

Source of Appropriation-Stream

The United States of America, Department of ~~Agriculture, Rescued~~
~~Administration~~, 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 1931
Revised Code of South Dakota, now therefore;

This is to certify that there is hereby reserved, of the heretofore unappro-
priated waters of ~~Fall River District~~, the annual amount of ~~3.25~~ acre-
feet of water to maintain storage in ~~No. 243-110~~ reservoir created
by damming said stream at a point ~~is the same as~~ ~~feet~~ ~~distant~~
feet distant from the ~~Corner of Section~~, Township ~~Range~~.
The purpose of such storage is ~~for Stock Use~~

This is to certify that there is hereby reserved, of the heretofore unappro-
priated waters of ~~Fall River District~~ a maximum of ~~gubic~~ 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 executed at the State Capitol at Pierre, South Dakota, this
7th day of ~~July~~ 1939.

State Engineer

RECEIVED

JUL 7 1939

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

PETITION

TO

STATE ENGINEER
STATE OF SOUTH DAKOTA
PIERRE, SOUTH DAKOTA

Comes now Osoar 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 the date of June 3, 1939 and recorded under date of June 9, 1939.

(2) That the dam referred to in said notice was completed under date of October 6, 1938.

(3) That said dam is 300 feet in length and 17.0 feet in height.

(4) That said dam is located upon the land described as follows:
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 29; T 9 S; R 1-E; B.H.M. Fall River County.

(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.

Subscribed and sworn to before me this 6th day of July, 1939

Osoar Hermstad
Project Manager

Charles Moore
Notary Public

My commission expires:
October 4, 1941

RA-7LU-28

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

JOB NUMBER ~~232x~~ 243-110

Resettlement Administration
Lincoln, Nebraska

RECEIVED

7 1939

OFFICE OF STATE ENGINEER
LINCOLN, S. DAK.

Region VII

Project South Dakota
State

LU-SD-1

Number

A. Location of Dam and Reservoir Tract 1367
SE 1/4 NW 1/4 of the Sec. 29; Township 3 S; Range 1 E
of the Black Hills Meridian; County Fall River

B. General Data

1. Area of drainage basin above dam: 118 Acres
(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: 16.5

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. 2.45 inches.

R = 2.25/hour

C = 0.3

b. 24 hours

S = 11/1000

c. U. S. Weather Bureau

H = .035

Source of information.

4. Give description of water shed.

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

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 .63 miles.

c. Average width of drainage basin .3 miles.

5. Maximum run-off of drainage area at the damsite: 118
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 17 ft.
2. Length along centerline at top of dam: 300 ft.
3. Width of top: 1 ft.
4. Upstream slope: 3 ft. horizontally to 1 ft. vertically.
5. Downstream slope: 2 ft. horizontally to 1 ft. vertically.
6. Volume in embankment: 1035 cu. yds.
7. Distance above high-water line to top of dam: 4 ft.
8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 1.5 ft.

D. Description of Spillway Natural Spillway

1. Bottom width: 200 ft.
 2. Slope of sides: ----- (Give ratio horizontal to vertical.)
 3. Gradient of spillway ditch: 0.03 ft. per hundred ft.
 4. Maximum discharge: 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: 1.26 acres.
2. Area when half-full: acres.
3. Area at depth of two feet: acres.
4. Volume when filled to level of spillway: 3.25 acre-ft.
5. Volume when half-full: acre-foot.
6. Volume at depth of two feet: acre-foot.
7. Average depth when full: 3.5 feet.

(over)

NOTATION NOTICE

KNOW ALL MEN BY THESE PRESENTS:

That Oscar Hermostad, Project Manager, Bad Lands - Fall River Land Adjustment Project, Land Utilization Division, Soil Conservation Service, 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 ENGINEER to wit:

Tract 1367

NW 1/4, Section 29, Township 9 S, Range 1 E, S. H. M., in Fall River 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 1/4 of the 13 of Section 29, township 9 S, range 1 E, S. H. M., for Livestock Purposes.

Said locator claims for the above purpose 111,570 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 10th day of March, 1938.

Witness my hand and seal this 3rd day of June, 1939.

Oscar Hermostad
Locator, Project Manager
Soil Conservation Service, LU Division
U.S. Department of Agriculture

STATE OF SOUTH DAKOTA)
: ss
County of Pennington)

On the 3rd day of June, 1939, before me

Blanche Moore a Notary Public in and for the County and State aforesaid, personally appeared

Oscar Hermostad 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: Oct. 4, 1947

Blanche Moore
Notary Public