

No. *21-1257-2*

Office of State Engineer
DOCUMENT FILE

Rept. Agt. Question to Gen.

of all River Co.

July 7, 1939 Priority date

10 1/4 116 1/2 117 1/2 118 1/2 119 1/2

5.68 new ft. appropriated

Ray Drew

Form 24A

CERTIFICATE OF CONSTRUCTION OF WORKS

and

APPROPRIATION

LU-SD-1 Job No. 243-24

Name of Project

U. S. Water Right No. 457-2

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
State Laws and has been issued a withdrawal No. U.S. 157 bearing date of
July 7, 1939 withdrawing from further appropriation 5.68 acre-
feet per annum of water storage; of the waters of a Dry Draw in the
County of Fall River, State of South Dakota, at a point in the
SW 1/4 Sec. 3 T. 7 N., R. 9 E. 50th
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 infor-
mation filed in the office of the State Engineer, and 5.68 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
RECEIPTS AND ADMINISTRATION

Withdrawal No. 11.2.157

LINE 610 Project

Feb 29, 1939

Dry Draw
Water Division No. 2
Fall River District
Source of Appropriation-Stream

The United States of America, Department of Agriculture, Reclamation, having filed a notice of intention to utilize certain 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 State of South Dakota, the annual amount of 5.00 acre-feet of water to maintain storage in the reservoir created by damming said stream at a point in the SW 1/4 Sec. 3 T. 75. R. 55. N. 11 feet distant from the Corner of Section 3 Township Range. The purpose of such storage is for stock water.

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of the State of South Dakota, a maximum of _____ cubic feet per second to be diverted through the _____ ditch, canal or pipeline 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 for 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 executed at the State Capitol at Pierre, South Dakota, this 7th day of July 1939.

State Engineer

PETITION

RECEIVED

JUL 7 1939

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

TO

STATE ENGINEER
STATE OF SOUTH DAKOTA
PIERRE, SOUTH DAKOTA

Comes now Osoar Herstad, 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 March 21, 1939.

(3) That said dam is 302 feet in length and 13.4 feet in height.

(4) That said dam is located upon the land described as follows:
SW 1/4 NE 1/4, Sec. 3; T 7-S; R 9-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 Herstad
Project Manager

Blanche 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 ~~226~~ - 243-24

Soil Conservation Service
Land Utilization Division
Lincoln, Nebraska

RECEIVED
Region I
JUL 7 1939

Project South Dakota
State

WT-SD-1

Number OFFICE OF STATE ENGINEER
SIOUX FALLS, S. DAK.

A. Location of Dam and Reservoir

Traot 546

SW 1/4 NE 1/4 of the Sec. 3 ; Township 75 ; Range 9E
of the Black Hills Meridian; County Fall River

B. General Data

1. Area of drainage basin above dam: .22 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. 4.88 inches. R = 2.25"/hr.
c = 0.3
b. 24 Hours minutes. c = 14"/1000'
N = .035

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

4. Give description of water shed.

a. The slopes are soil-covered, ~~rocky, sandy, etc.~~

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 .6 miles.

c. Average width of drainage basin .38 miles.

5. Maximum run-off of drainage area at the dam site 160
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 13.4 ft.
2. Length along centerline at top of dam: 309 ft.
3. Width of top: 10 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: 3200 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: 1.6 ft.

D. Description of Spillway

1. Bottom width: 20 ft.
2. Slope of sides: 1 1/2 : 1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: .1 ft. per hundred ft.
4. Maximum discharge: 177 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: .975 acres.
2. Area when 4' below spillway: .337 acres.
3. Area at depth of two feet: .26 acres.
4. Volume when filled to level of spillway: 5.68 acre-ft.
5. Volume when 4' below spillway: 3.06 acre-feet.
6. Volume at depth of two feet: .35 acre-foot.
7. Average depth when full: 7.5 feet.

(over)

248-24

LOCATION NOTICE

KNOW ALL MEN BY THESE PRESENTS:

That Oscar Hermstad, 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, has taken possession of the following described land in the name of the State of South Dakota to wit:

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Tract 546

NE 1/4

, Section

3

OFFICE OF STATE ENGINEER
RAPID CITY, S. DAK.

Range

9E

, B. H. M., in Fall River

County, South Dakota.

Availing himself 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

SW 1/4 of the

NE 1/4 of Section

3

, township

78

range

9E

, B. H. M., for Livestock Purposes.

Said locator claims for the above purpose 247,421 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 3 day of October, 1938.

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

Oscar Hermstad

Locator, Project Manager
Soil Conservation Service, LJ Division
U.S. Department of Agriculture

STATE OF SOUTH DAKOTA

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 Hermstad 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, 1941

Blanche Moore
Notary Public