

U.S. 7/12/33

Dept. Agr. - Electric meat Adm.
of all kinds of

Date of priority - July 7, 1933

7/10/33 by R. S. - 3.5

23.53 acc for appropriate

W. J. Brown

Form 24A

CERTIFICATE OF CONSTRUCTION OF WORKS

and

APPROPRIATION

U. S. Water Right No. 122-2

L.D-SD-1 Job No. 22C-125

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, Resettlement Administration, has complied with the State Laws and has been issued a withdrawal No. U.S. 122 bearing date of July 7, 1939 withdrawing from further appropriation 22.53 acre-feet per annum of water for storage, of the waters of a Dry Draw in the County of Fall River, State of South Dakota, at stream point in the SE₁ of the NE₁ of Sec. 16, T.9S., R.2E. N.H.M.

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 22.53 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.

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

Source of Appropriation-Stream

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 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 the date of June 20, 1937 and recorded under date of September 8, 1937.

(2) That the dam referred to in said notice was completed under date of October 21, 1937.

(3) That said dam is 318 feet in length and 16.8 feet in height.

(4) That said dam is located upon the land described as follows:
NW 1/4 of the Sec. 15; Twp. 3-S; Range 2-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

Oscar Hermstad
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 - 125

Resettlement Administration
Lincoln, Nebraska

RECEIVED

JUL 7 1939

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.
Region VII

Project South Dakota LD-SD-1
State Number

A. Location of Dam and Reservoir Tract 4452
NW 1/4 of the Sec. 15; Township 9 S; Range 2 E
of the Black Hills Meridian; County Fall River

B. General Data

1. Area of drainage basin above dam 1.25 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 watershed in inches: 16.55

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" / hr.

b. 24 hours minutes. S = 20' / 1000'

c. U. S. Weather Bureau N = .035

Source of information.

4. Give description of water shed.

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

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 2.5 miles.

c. Average width of drainage basin .5 miles.

5. Maximum run-off of drainage area at the dam site: 211
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 16.8 ft.
2. Length along centerline at top of dam: 318.0 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: 7020 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: 2.7 ft.

D. Description of Spillway

1. Bottom width: 40 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: 242.4 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: 4.88 acres.
2. Area when half-full: 1.66 acres.
3. Area at depth of two feet: .06 acres.
4. Volume when filled to level of spillway: 22.53 acre-ft.
5. Volume when half-full: 8.41 acre-foot.
6. Volume at depth of two feet: .06 acre-foot.
7. Average depth when full: 5.9 feet.

(over)

RECEIVED
FBI
JAN 10 1961
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

That Oscar 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, to wit:

Said locator claims for the above purpose 981,407 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)
) ss
County of Pennington)

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

My Commission Expires:
July 10, 1939

Notary Public