

No. *U. S. 314-2*

**Office of State Engineer**  
**DOCUMENT FILE**

*Dept. Agri. Resettlement Admin.*  
*Pennington Co.*  
*Sec. 19, T 2 S. R. 17 E*  
*Priority date: Oct. 25, 1937*  
*\$5.95 acct. appropriated*

*Ally Brown*

## CERTIFICATE OF CONSTRUCTION OF WORKS

and

## APPROPRIATION

U. S. Water Right No. 314-2L-SE-1 Job No. 226-33  
Name of ProjectBad 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 314 bearing date of October 25, 1937 withdrawing from further appropriation 15.95 acre-feet per annum of water for storage; of the waters of a Dry Draw in the County of Pennington, State of South Dakota, at Stream 2 point N. 43 W. 2740' from the SE Cor. Sec. 19 T. 2S. R. 17E. for Stock Water purposes; has fully complied with the provisions of the laws of the State of South Dakota relating to completion of 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 15.95 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 193 9\_\_\_\_\_  
State Engineer.

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

LD-95-1 Job No. 224-33  
Name of Project  
Pennington  
County

Water Division No. 2  
Red River Water District  
Dr. Draw  
Source of Appropriation-Stream

The United States of America, Department of ~~Agriculture, Department~~  
~~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 1939  
Revised Code of South Dakota, now therefore;

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of Mad River District, the annual amount of 15.55 acre-feet of water to maintain storage in Res. 33 reservoir created by damming said stream at a point described as follows: N. 33E. 27N. feet distant from the SE Corner of Section 13, Township 25, Range 17, to Southwest. The purpose of such storage is for stock water (and of dam

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 heretofore referred to, this certificate is executed at the State Capitol at Pierre, South Dakota, this 25th day of October 1937.

State Engineer

RA-71U-28

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

JOB NUMBER 226 - 33

Resettlement Administration  
Lincoln, Nebraska

Region VII

Project South Dakota  
State

LD-3D 1  
Number

A. Location of Dam and Reservoir

1283  
SE 1/4 of th. Sec. 19; Township 2 S; Range 17 E;  
of the B.H.M. Meridian; County Pennington.

B. General Data

1. Area of drainage basin above dam: 0.5 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. 2.25 inches.

b. 60 minutes.

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 - 7'/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 1.0 miles.

c. Average width of drainage basin 0.5 miles.

5. Maximum run-off of drainage area at the dam site: 81.0  
cu. ft. per second.

(ever)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 14.4 ft.
2. Length along centerline at top of dam: 271.7 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: 4180 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: 3.35 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: .1 ft. per hundred ft.
4. Maximum <sup>possible</sup> 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: 3.76 acres.
2. Area when half-full: 1.89 acres.
3. Area at depth of two feet: .1 acres.
4. Volume when filled to level of spillway: 15.95 acre-ft.
5. Volume when half-full: 2.67 acre-feet.
6. Volume at depth of two feet: 0.10 acre-feet.
7. Average depth when full: 4.7 feet.

(over)

LOCATION NOTICE

KNOW ALL MEN BY THESE PRESENTS:

That Oscar Hermstal, 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:

Tract 1283, S $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{2}$ SW $\frac{1}{4}$ , N $\frac{1}{2}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$

\_\_\_\_\_, Section 19, Township 2 S,  
Range 17 E, B. H. M., in Pennington 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 NW  $\frac{1}{4}$  of the  
SE  $\frac{1}{4}$  of section 19, township 2 S, range 17 E B.H.M., for Live  
Stock Purposes.

Said locator claims for the above purpose 694782 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 24th day of April, 196.

Witness my hand and seal this 30th day of June, 1952.

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

STATE OF SOUTH DAKOTA )  
 ) ss  
County of Pennington )

On the 30th day of June, 1937, before me \_\_\_\_\_

\_\_\_\_\_ K. K. Parson \_\_\_\_\_ a Notary Public in and  
for the County and State aforesaid, personally appeared Oscar Harnstad, 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.

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

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, our 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 8, 1937.

(2) That the dam referred to in said notice was completed under date of August 26, 1936.

(3) That said dam is 272.7 feet in length and 14.4 feet in height.

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

**NW<sup>1</sup>SE<sup>1</sup> of Section 19, Twp 2 South, Rge 17 East,  
BHM, Pennington 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.

[Signature]  
Notary Public

My commission expires: July 10, 1939.

RECEIVED

OCT 25 1937

OFFICE OF STATE ENGINEER  
PIERRE, S. DAK.

RECEIVED  
OCT 25 1937

(1) [illegible text]

(2) [illegible text]

(3) [illegible text]

(4) [illegible text]

(5) [illegible text]

(6) [illegible text]

(7) [illegible text]