

No. *U.S. 682*

Office of State Engineer
DOCUMENT FILE

Ld. Ld. 2

Alarm No. 2226-14

County: Jones
Applicant: Agnes L. Connors
Location: NW 1/4 Sec. 29, T. 2 N, R. 3 E

Date of Filing: 8-11-38

Completion: Approved Sept 1938

Purpose: Livestock

Stream: Sterling Dam
W. H. M. M. M.

Form C

CERTIFICATE OF WITHDRAWAL OF
WATER FOR APPROPRIATION

U. S. No. 68

TO

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF LAND UTILIZATION DIVISION
BUREAU OF AGRICULTURAL ECONOMICS

James
County

STAND Hgt. - 5' 10"

The United States Department of the Interior, Land Utilization Division, having made application for the withdrawal of certain heretofore unappropriated public waters of the State of South Dakota, and having complied with the requirements of the statute of the State of South Dakota providing for such withdrawal, such statute and authority being contained in and described as Vol. 2, Chapter 2, Article 1, Paragraph 82-15, of the Revised Code of 1919, now therefore:

This is to certify that there is hereby reserved, of the heretofore unappropriated waters of a Dry Draw the annual amount of 9,439,452 cubic feet of water plus losses due to evaporation on or such amount will maintain the lake level at the present overflow elevation. Said water is to be used for stockwater purpose. The East end of the impounding dam is located 679 feet South 0 degrees 00 minutes East of

in Jones County. The above quantity of water is hereby with-
drawn from future appropriation during the continuance of the right herein
granted and contained.

This certificate and withdrawal shall, in no manner prejudice, alter, amend or effect the rights of any prior appropriator or prior appropriation of water, nor of any application for appropriation pending upon 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 statute hereinbefore referred to and under the authority of which this certificate is issued.

In accordance with the provisions of the statute hereinbefore referred to, this certificate is executed at the State Capitol at Pierre, South Dakota, this 11th day of August 1938.

Reuben L. Lusk
State Engineer.

LOCATION NOTICE

JOB NO. 226-14 Approximate date completed, September, 1936

KNOW ALL MEN BY THESE PRESENTS:

That Leonard Noble, Project Mgr., South Central South Dakota Land Adjustment Project
Resettlement Administration, U. S. Department of Agriculture,
whose post office is . . . Pierre, 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 No. 360. - NW 1/4
. Section . . . 29 Township . . . 2 N
range . . 31 E B.H.M., in Jones 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 loc-
ated and claims the right to construct a certain dam across a dry draw
situated in the NW 1/4 of the NW 1/4 of section . 29 . township . . 2 N . .
range 31 E . B.H.M.
~~and has located and claims the right to construct ditch
and flumes for the purpose of directing flood waters from said dam to irri-
gation of the land first above described and for Live Stock Purposes. and
claim the right of way across any land for the purpose of conveying water
for said purposes.~~

Said locator claims for the above purpose 3,439,452 cubic feet of water plus losses
due to evaporation
~~for use during~~ the following described annual periods . . January 1st. . .
. December 31 st. inclusive, each year.

The location of the point of diversion of the reservoir is as follows:

From the

The ditch will run in a direction to
and on said land for a distance of feet.

Said location was made on the . . . 4th . . . day of . . May . . . 1936.

Witness my hand and seal this . . 3rd . . day of . . August . . 1936.
FOR HENRY A. WALLACE
SECRETARY OF AGRICULTURE

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

STATE OF SOUTH DAKOTA,)
County of . Hughes .) ss.

On the . 3rd . . day of August 1937 . . , before me
. Gertrude Pedersen a Notary Public in for
the County and State aforesaid, personally ap . . . d Leonard Noble to me
personally known to be the person who executed) 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.

Conv. Ex Nov 16-1939

Gertrude Pedersen
Notary Public

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

JOB NUMBER 226 - 14

Resettlement Administration
Lincoln, Nebraska

Region VII

Project South Dakota ID-SD 2
State Number

A. Location of Dam and Reservoir

NW 1 of the Sec. 29; Township 2 N; Range 31 E;
of the Black Hills Meridian; County Jones.

B. General Data

1. Area of drainage basin above dam:
- 3.99
- 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:
- 27

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. 2.2 inches.b. 60 minutes.c. U.S. Weather Bureau

Source of information.

4. Give description of water shed.

a. The slopes are sod-covered, cultivated, ~~etc.~~80% sod covered; 20% cultivated. Slopes of drainage area 20'/1000'(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 3.5 miles.c. Average width of drainage basin 1.14 miles.

5. Maximum run-off of drainage area at the dam site:
- 418
-
- cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 25.2 ft.
2. Length along centerline at top of dam: 789.9 ft.
3. Width of top: 14 ft.
4. Upstream slope: 4 ft. horizontally to 1 ft. vertically.
5. Downstream slope: 2 ft. horizontally to 1 ft. vertically.
6. Volume in embankment: 17,932 cu. yds.
7. Distance above high-water line to top of dam: 6 ft.
8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 3.6 ft.

D. Description of Spillway

1. Bottom width: 36 ft.
2. Slope of sides: 1:1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 0.2 ft. per hundred ft.
4. Maximum discharge: 432 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: 33.2 acres.
2. Area when half-full: 6.4 acres.
3. Area at depth of two feet: 0.4 acres.
4. Volume when filled to level of spillway: 215.7 acre-ft.
5. Volume when half-full: 26.2 acre-foot.
6. Volume at depth of two feet: 0.4 acre-foot.
7. Average depth when full: 6.5 feet.

(over)