

No. *U.S. 76-2*

Office of State Engineer  
DOCUMENT FILE

*Plan No. 226-23*

*County: Stanley*

*Applicant: Agnes Economics*

*Location: SE 1/4 Sec 17, T109N, R17W*

*Date of filing: 8-11-38*

*Completion: Approx Jan 1937*

*Purpose: Livestock*

*By: R. R. R. R.*

CERTIFICATE OF WITHDRAWAL OF  
WATER FOR APPROPRIATION

U. S. No. 76

TO

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

Stanley  
County

OLD NATIONAL BANK DAM  
Stream

The United States Department of Agriculture, Land Utilization Division, Agricultural Economics, 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 8243 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 1,711,908 cubic feet of water plus losses due to evaporation or such amount as will maintain the lake level at the present overflow elevation. Said water is to be used for stockwater purpose. The North end of the impounding dam is located 804 feet South 43 degrees 24 minutes east of Chance 234 in SW corner, SE 1/4 of Sec 17, T. 109 N. R. 77 E. Stanley County. The above quantity of water is hereby withdrawn from future appropriation during the continuance of the right herein granted and contained.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 affect 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.

Wm. H. Lawrence  
State Engineer.

LOCATION NOTICE

JOB NO. 226-23 Approximate date completed: January, 1937

KNOW ALL MEN BY THESE PRESENTS:

That Leonard Noble, Proj. 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  
in the name of the United States,  
described land to wit:

. . . . . Tract No. 303 -  $N\frac{1}{2}$   $N\frac{1}{2}$  . . . . .  
. . . . . Section . . . 17 . . . . . Township . . . 109 N . . . . .  
range . . . 77 W . . . 5th P.M. . . . Stanley . . . . . 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 1913, has loc-  
ated and claims the right to construct a certain dam across a dry draw  
situated in the  $N\frac{1}{2}$   $N\frac{1}{2}$  of the . . .  $N\frac{1}{2}$   $N\frac{1}{2}$  of section . 17 . . township 109 N . . .  
range . 77 W. 5th P.M. and has located and claims the right to construct ditches  
and flumes for the purpose of diverting flood waters from said dam for irri-  
gation of the land first above described and for Live Stock Purposes, and  
claims the right of way across any land for the purpose of conveying water  
for said purposes.

Said locator claims for the above purpose 1,711,908 cubic feet of water  
per second during the following described annual periods . . . January 1 . . .  
. . . . . to December 31 . . . . . inclusive, each year.

The location of the point of diversion of the watercourse 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 . 21st . . . . . day of . . . September 1936.

Witness my hand and seal this . 3rd . . . . . day of August . 1937.

FOR HENRY A. WALLACE  
SECRETARY OF AGRICULTURE

Locator, proj. mgr.  
Resettlement Administration  
U. S. Department of Agriculture

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

On the . 3rd . . . . . day of August . . . . . 1937 . . . , before me . . . . .  
. . . . . Gertrude Bodensee . . . . . a Notary Public in for  
the County and State aforesaid, personally appeared Leonard Noble . . . . . 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.

Comm Ex Nov 16-1939

Gertrude Bodensee  
Notary Public

DESCRIPTION OF EARTH IMPOUNDING DAM  
RESERVOIR AND SPILLWAY DAM NO. 226JOB NUMBER 226 - 23Resettlement Administration  
Lincoln, Nebraska

Region VII

Project South Dakota ID-SD 2  
State NumberA. Location of Dam and ReservoirN 1/2 of the Sec. 17; Township 109 N; Range 77 W;  
of the 5th Principal Meridian; County Stanley.B. General Data1. Area of drainage basin above dam: 2.5 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: 203. 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, bare~~100% grass land. Slope 30'/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 2.8 miles.c. Average width of drainage basin .9 miles.5. Maximum run-off of drainage area at the damsite: 449.0  
cu. ft. per second.

(over)

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**C. Description of Dam**

1. Height above low point of valley at centerline of dam: 19 ft.
  2. Length along centerline at top of dam: 251 ft.
  3. Width of top: 12 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: 7762 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: 3.5 ft.
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**D. Description of Spillway**

1. Bottom width: 65 ft.
2. Slope of sides: Approx. 7:1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 0.1 ft. per hundred ft.
4. Maximum discharge: 507.4 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.)

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**E. Description of Reservoir**

1. Area when filled to level of spillway: 6.9 acres.
2. Area when half-full: 2.5 acres.
3. Area at depth of two feet: .25 acres.
4. Volume when filled to level of spillway: 59.3 acre-ft.
5. Volume when half-full: 7.4 acre-feet.
6. Volume at depth of two feet: .25 acre-feet.
7. Average depth when full: 5.7 feet.

(over)