

No.

U.S. 922

Office of State Engineer
DOCUMENT FILE

Ld-Ld-2

Plan No. 243-7

County: Lyman

Applicant: Agnes E. Connico

Locating: N.W. 1/4, Sec 35, T105N, R18W

Date of filing: 8-11-38

Completion: May 28, 1937

Purpose: Livestock

Means: Telephone Company
Dry Draw

RA-7LU-28

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

JOB NUMBER ~~226~~ - 243-7

Resettlement Administration
Lincoln, Nebraska

Region VII

Project South Dakota LD-SD 2
State Number

A. Location of Dam and Reservoir

SE 1 of the Sec. 35; Township 108 N; Range 78 W;
of the 5th Principal Meridian; County Lyman.

B. General Data

1. Area of drainage basin above dam: 280 acres 0 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: 20
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 Records
Source of information.

4. Give description of water shed.

- a. The slopes are soil-covered, cultivated, bare.

(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 1.25 miles.
- c. Average width of drainage basin .35 miles.
5. Maximum run-off of drainage area at the damsite: 98.0
cu. ft. per second.

(over)

C. Description of Dam

1. Height above low point of valley at centerline of dam: 12 ft.
2. Length along centerline at top of dam: 239.7 ft.
3. Width of top: 9 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: 1590 cu. yds.
7. Distance above high-water line to top of dam: 3 ft.
8. Distance above water surface to top of dam when spillway is discharging maximum run-off: 1.5 ft.

D. Description of Spillway

1. Bottom width: 34 ft.
2. Slope of sides: 2:1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 0.1 ft. per hundred ft.
4. Maximum discharge: 99.6 cu. ft. per second.
5. Depth of water in spillway at time of maximum discharge: 1.5 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: 1.11 acres.
water level is 4' below spillway
2. Area when half-full: .1 acres.
3. Area at depth of two feet: .21 acres.
4. Volume when filled to level of spillway: 5.0 acre-ft.
water level is 4' below spillway
5. Volume when half-full: 1.14 acre-feet.
6. Volume at depth of two feet: .21 acre-feet.
7. Average depth when full: 4.5 feet.

(over)

LOCATION NOTICE

JOB NO. 245-7

APPROX. DATE OF COMPLETION December 28, 1937

KNOW ALL MEN BY THESE PRESENTS:

That Leonard Noblo, Project Manager, South Central South Dakota Land Adjustment Project, Farm Security 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. 125-
The NW 1/4 of Section 36, Township 108 N., Range 78 W., 5th P. M., Lyman County,
South Dakota, availing himself of the right granted him under the provisions of Chapter 1, Article 1, Paragraph 239 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 1/4 of Section 36, Township 108 N., Range 78 W., 5th P. M., for livestock purposes,

Said locator claims for the above purpose 274,240 cubic feet of water plus losses due to evaporation during the following described annual periods January 1st to December 31st inclusive, each year.

Said location was made on the 8th day of June, 1937.
Witness my hand and seal this 7th day of May, 1938.

FOR HENRY A. WALLACE
SECRETARY OF AGRICULTURE

Leonard Noblo
Locator, Project Manager, Farm
Security Administration, U. S.
Department of Agriculture

STATE OF SOUTH DAKOTA

COUNTY OF Pinkney

On the 7 day of May, 1938, before me
C. P. Walsh, a Notary Public in and for the County
and State aforesaid, personally appeared Leonard Noblo, 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 year above written.

C. P. Walsh
Notary Public

commission expires 5-4-40