

No. *U.S. 55-2*

Office of State Engineer
DOCUMENT FILE

Brushman Name
Name No. 226-1

County - Stanley
Applicant - George E. Economics
Location - Sec 7, T109N, R. 191W
Date of Filing - 8-11-38
Completed & Approved - Dec. 1935

Very Truly

NAMES AND LOCATIONS OF DAMS CONSTRUCTED BY
UNITED STATES DEPARTMENT OF AGRICULTURE, LAND UTILIZATION DIVISION
SOUTH CENTRAL SOUTH DAKOTA LAND ADJUSTMENT PROJECT LD-SD 2

DAM NO.	NAME OF DAM	LOCATION	DISTANCE	BEARING	END OF DAM
226-1	Bushman	SE corner Sec. 7, T 109 N, R 79 W.	510'	N 14°26' W	East end
226-2	Kents	SE corner of NE $\frac{1}{4}$, sec. 32, T 109 N, R 77 W.	1120'	N 41°23' W	West end
226-3	Bitter	NW corner of NW $\frac{1}{4}$, sec. 9 T 108 N, R 79 W.	1774'	N 90°00' E	West end
226-4	Stribe	NW corner, NW $\frac{1}{4}$ of NW $\frac{1}{4}$, sec. 19, T 108 N, R 79 W. Thence 1378'	258'	N 90°00' E S 3°33' W	North end
226-5	Crawdson	NE corner, S $\frac{1}{2}$ of SE $\frac{1}{4}$, sec. 11, T 109 N, R 78 W. Thence 239'	698'	S 90°00' W S 33°05' W	North end
226-6	Gordon	NW corner, NW $\frac{1}{4}$ of sec. 29, T 109 N, R 78 W. Thence 721'	1152'	N 90°00' E S 0°26' W	West end
226-7	Schleip	SW corner, SW $\frac{1}{4}$ of sec. 24 T 109 N, R 78 W. Thence 141'	1571'	N 0°00' E N 52°43' E	West end
226-8	Dean	NE corner, SE $\frac{1}{4}$ of sec. 28 T 3 N, R 31 E. Thence 591'	660'	S 00°00' E S 90°00' W	East end
226-9	Jensen	NE corner, NW $\frac{1}{4}$ of sec. 35 T 109 N, R 78 W. Thence 304'	80'	S 90°00' W S 28°56' W	North end
226-10	Goodwin	NW corner, NW $\frac{1}{4}$ of sec. 10 T 107 N, R 79 W. Thence 706'	782'	N 90°00' E S 33°31' E	West end
226-11	Hinkley	SE corner, SE $\frac{1}{4}$ of sec. 21 T 108 N, R 79 W.	1326'	N 57°31' W	East end
226-12	Delaplane	NW corner of SW $\frac{1}{4}$ of sec. 11 T 107 N, R 78 W.	961'	S 0°00' E	West end
226-13	Fraudson B.	SE corner of SE $\frac{1}{4}$ of sec. 29 T 3 N, R 31 E.	1560'	N 63°33' W	East end
226-14	Sterling	NW corner, NW $\frac{1}{4}$ of sec. 29 T 2 N, R 81 E.	679'	S 0°00' E	West end
226-15	Pantle	SE corner, NE $\frac{1}{4}$ of sec. 15, T 108 N, R 78 W.	1225'	N 51°32' W	South end
226-16	Hurst	NE corner, NE $\frac{1}{4}$ of sec. 30 T 108 N, R 79 W. Thence 200'	782'	S 68°41' W S 42°55' W	North end
226-17	Thomas	SW corner, NE $\frac{1}{4}$ of sec. 18 T 107 N, R 79 W.	945'	N 66°32' E	West end
226-18	Strain	NE corner, SW $\frac{1}{4}$ of sec. 26, T 109 N, R 79 W. Thence 391'	70'	S 0°00' E S 21°17' W	West end
226-20	Lyman Co. Abstric Co.	SW corner, NW $\frac{1}{4}$ of sec. 29, T 107 N, R 78 W.	1088'	N 34°23' E	East End
226-21	Hartland	SE corner, NE $\frac{1}{4}$ of sec. 24, T 108 N, R 79 W.	1194'	N 82°15' W	West end
226-22	Levensgood	SW corner SW $\frac{1}{4}$ of sec. 2 T 109 N, R 79 W. Thence 451'	1850'	N 46°29' E N 26°37' W	West end

NAMES AND LOCATIONS OF DAMS CONSTRUCTED BY
UNITED STATES DEPARTMENT OF AGRICULTURE, LAND UTILIZATION DIVISION
SOUTH CENTRAL SOUTH DAKOTA LAND ADJUSTMENT PROJECT LD-SD 2

DAM No.	NAME OF DAM	LOCATION	DISTANCE	BEARING	END OF DAM
226-23	Old National Bank	NW corner, SE $\frac{1}{4}$ of sec. 17 T 109 N, R 77 W.	804' Thence 834'	S 43°24' E S 29°20' W	North end
226-24	Green	NW corner, SW $\frac{1}{4}$ of sec. 2 T 108 N, R 79 W.	1522'	S 41°20' E	North end
226-25	Williamson	SE corner, SW $\frac{1}{4}$ of sec. 8 T 105 N, R 78 W.	510'	N 79°15' W	West end
226-26	Lehr	Ne corner of Sec. 3, T 2 N, R 31 E.	2100'	S 31°18' W	East end
226-28	Dunlope	NW corner, of NW $\frac{1}{4}$ of sec. 5 T 107 N, R 78 W.	1320' Thence 1470' Thence 330'	N 90°00' E S 00°00' E S 63°55' E	West end
226-30	Frandsen C.	SW corner of SE $\frac{1}{4}$ of sec. 30, T 109 N, R 77 W.	720'	N 60°10' E	South end
226-31	Laing	NE corner of NE $\frac{1}{4}$ of sec. 26 T 108 N, R 79 W.	1020'	S 79°44' W	East end
226-32	Arp Estate	NE corner, NE $\frac{1}{4}$ of sec. 9, T 107 N, R 78 W.	300' Thence 1,220'	S 00°00' E S 12°04' W	East end
226-34	Mair	SW corner of NE $\frac{1}{4}$ of sec. 21, T 1 N, R 31 E.	1180'	N 86°20' E	North end
226-35	Morrissey	NW corner, NW $\frac{1}{4}$ of sec. 32, T 107 N, R 79 W.	1840'	S 30°15' E	West end
226-36B	Reed	SE corner, SE $\frac{1}{4}$ of sec. 2, T 107 N, R 77 W.	806' Thence 3,553'	N 00°00' E S 90°00' W	East end

STOCKWATER PONDS

243-1	Old Line Life Ins. Co.	SE corner of NE $\frac{1}{4}$ of sec. 17, T 107 N, R 79 W.	942' Thence 186'	S 90°00' W N 22°50' W	South end
243-2	Dolton	SW corner of NW $\frac{1}{4}$ of sec. 27, T 107 N, R 79 W.	353'	N 65°55' E	119' from west end of dam
243-3	Brown	SW corner of NW $\frac{1}{4}$ of sec. 13, T 2 N, R 30 E.	430'	N 87°23' E	56' from west end of dam
243-4	Williamson	NE corner of NE $\frac{1}{4}$ of sec. 11, T 107 N, R 79 W.	840' Thence 296'	S 90°00' W S 6°15' W	North end
243-5	Nicholson	SE corner, NW $\frac{1}{4}$ of sec. 21, T 107 N, R 78 W.	186'	N 23°05' W	South end
243-6	Kanastock	NE corner, NW $\frac{1}{4}$ of sec. 9 T 1 N, R 31 E.	1360'	S 41°43' W	54' from east end
243-7	Delaplans	SE corner, sec. 35, T 108 N, R 78 W.	2100' Thence 3386'	N 00°00' W N 90°00' W	South end
243-10	Sharpe	Ne corner, NE $\frac{1}{4}$ of sec. 7, T 106 N, R 79 W.	1200'	S 43°10' W	East end
243-11	Robinson	SW corner, SW $\frac{1}{4}$ of sec. 33, T 1 N, R 31 E.	821' Thence 35'	N 90°00' W N 40°10' W	West end
243-12	Clark	NW corner, SW $\frac{1}{4}$ of sec. 5, T 109 N, R 77 W.	425'	S 52°30' S	South end

WATER FOR APPROPRIATION

TO

UNITED STATES DEPARTMENT OF Agriculture
BUREAU OF _____ DIVISION
BUREAU OF AGRICULTURAL ECONOMICS

Stanley

County

Bushman Dam

Stream

The United States Department of Agriculture, 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 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 740,520 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 East end of the impounding dam is located 510 feet North 14 degrees 26 minutes West of SE corner Sec. 7, T. 109 N., R. 79 W. in 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 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 _____ day of _____ 193 .

11th

August

8

Paul H. Rucker
State Engineer.

JOB NO. 226-1 Approximate date completed: Dec., 1935

That Leonard, Noble, Proj. Agr., 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

Tract No. 794 S.E. 1/4
 Section 7 Township 109 N.
 5th P.M.
 Range 79 W. E. 1/4, in Stanley County, South Dakota.

Said locator claims for the above purpose 740,520 . cubic feet of water plus losses due to evaporation during the following described annual periods . January 1

[illegible]

.....

~~SECRET~~ direction to
~~SECRET~~

Said location was made on the . . . 16th . . day of . . December . 1935.

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

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

On the , 3rd . . . day of August 1937 . . , before me
Gertrude Bodossom a Notary Public in and for

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

Gertrude. Pedersen
Notary Public

DESCRIPTION OF EARTH IMPOUNDING DAM
RESERVOIR AND SPILLWAY DAM NO. 226JCB NUMBER 226 - 1Resettlement Administration
Lincoln, Nebraska

Region VII

Project South Dakota LA-SD 2
State NumberA. Location of Dam and ReservoirSE 1 of the Sec. 7; Township 109 N; Range 79 W;
of the 5th Principal Meridian; County Stanley.B. General Data

1. Area of drainage basin above dam:
- 320 acres
- 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:
- 16.65

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. 3.5 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.~~Grass land drainage

(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 _____ miles.

c. Average width of drainage basin _____ miles.

5. Maximum run-off of drainage area at the damsite:
- 140
-
- 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: 310 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: 3000 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 ft.
-
-

D. Description of Spillway

1. Bottom width: 12 ft.
2. Slope of sides: 1½:1 (Give ratio horizontal to vertical.)
3. Gradient of spillway ditch: 1 ft. per hundred ft.
4. Maximum discharge: 486 cu. ft. per second,
5. Depth of water in spillway at time of maximum discharge: 3 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: 3.7 acres.
2. Area when half-full: _____ acres.
3. Area at depth of two feet: _____ acres.
4. Volume when filled to level of spillway: 17.0 acre-ft.
5. Volume when half-full: 3.7 acre-feet.
6. Volume at depth of two feet: _____ acre-feet.
7. Average depth when full: _____ feet.

(over)

August 17, 1938

Kenneth D. Huddle,
Acting Project Manager
Bureau of Agricultural Economics
Hyde Block
Pierce, South Dakota

Dear Mr. Huddle:

We wish to acknowledge receipt of your letter of August 13 and also descriptions of impounding dams: Nos. 226-25, 226-35, 226-36B, 243-1, 243-2, 243-3, 243-4, 243-5, 243-6, 243-7, 243-10, 243-11, 243-12.

Very truly yours,

DEAN W. LOUCKS,
State Engineer

dm

UNITED STATES DEPARTMENT OF AGRICULTURE
~~RESETHLEMENT~~ADMINISTRATION
BUREAU OF AGRICULTURAL ECONOMICS

Hyde Block
Pierre, South Dakota

IN REPLY REFER TO

August 13, 1938

RECEIVED

AUG 15 1938

OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

Mr. Dean W. Loucks
State Engineer
Pierre, South Dakota

Dear Mr. Loucks:

Complying with the request which you made when I called at your office on August 11, I am enclosing additional information concerning the following numbered water impounding dams: 226-25, 226-35, 226-36B, 243-1, 243-2, 243-3, 243-4, 243-5, 243-6, 243-7, 243-10, 243-11, 243-12.

These are to be filed with the "Location Notices" already submitted by this office. Our project is designated as LE-SD 2.

Sincerely yours,

Kenneth D. Huddle

Kenneth D. Huddle
Acting Project Manager

KDH:fn

enclosure

August 13th, 1937,

Mr. Leonard Noble,
Project Manager,
Resettlement Administration,
U. S. Department of Agriculture,
Pierre, South Dakota.

Dear Sir:

We hereby acknowledge receipt of the following Location Notices and descriptions of earth impounding Dams, Reservoirs and Spillways, handed to us on the above date for our files, to-wit:

Job No	Project No.	Our File No.	Description
226-1	LD-SD 2	1-F - 55	Section 7, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-2	LD-SD 2	2-F	Section 32, Township 109 N., Range 77 W., 5th P. M., Stanley County, South Dakota.
226-3	LD-SD 2	3-F	Section 9, Township 108 N., Range 79 W., 5th P. M., Lyman County, South Dakota.
226-4	LD-SD 2	4-F	Section 18, Township 108 N., Range 79 W., 5th P. M., Lyman County, South Dakota.
226-5	LD-SD 2	5-F	Section 11, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-6	LD-SD 2	6-F	Section 29, Township 109 N., Range 78 W., 5th P. M., Stanley County, South Dakota.
226-7	LD-SD 2	7-F	Section 24, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-8	LD-SD 2	8-F	Section 20, Township 3 N., Range 31 E., P.M.M., Stanley County, South Dakota.
226-9	LD-SD 2	9-F	Section 35, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-10	LD-SD 2	10-F	Section 10, Township 107 N., Range 79 W., 5th P. M., Lyman County, South Dakota.
226-11	LD-SD 2	11-F	Section 21, Township 108 N., Range 79 W., 5th P. M., Lyman County, South Dakota.

August 13th, 1937,

Job No.	Project No.	Cur File No.	Description
226-12	LD-SD 2	12-F	Section 11, Township 107 N., Range 76 W., 5th P. M., Lyman County, South Dakota.
226-13	LD-SD 2	13-F	Section 29, Township 3 N., Range 31 E., N.H.M., in Stanley County, South Dakota.
226-14	LD-SD 2	14-F	Section 29, Township 2N., Range 31 E., N.H.M., Jones County, South Dakota.
226-15	LD-SD 2	15-F	Section 15, Township 103 N., Range 73 W., 5th P. M., Lyman County, South Dakota.
226-16	LD-SD 2	16-F	Section 30, Township 103 N., Range 73 W., 5th P. M., Lyman County, South Dakota.
226-17	LD-SD 2	17-F	Section 13, Township 107 N., Range 70 W., 5th P. M., Lyman County, South Dakota.
226-18	LD-SD 2	18-F	Section 26, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-20	LD-SD 2	19-F	Section 29, Township 107 N., Range 70 W., 5th P. M., Lyman County, South Dakota.
226-21	LD-SD 2	20-F	Section 24, Township 103 N., Range 76 W., 5th P. M., Lyman County, South Dakota.
226-22	LD-SD 2	21-F	Section 2, Township 109 N., Range 79 W., 5th P. M., Stanley County, South Dakota.
226-23	LD-SD 2	22-F	Section 17, Township 109 N., Range 77 W., 5th P. M., Stanley County, South Dakota.
226-24	LD-SD 2	23-F	Section 2, Township 103 N., Range 73 W., 5th P. M., Lyman County, South Dakota.
226-26	LD-SD 2	24-F	Section 8, Township 2 N., Range 31 E., N.H.M., Jones County, South Dakota.
226-28	LD-SD 2	25-F	Section 6, Township 107 N., Range 73 W., 5th P. M., Lyman County, South Dakota.
226-30	LD-SD 2	26-F	Section 30, Township 109 N., Range 77 W., 5th P. M., Stanley County, South Dakota.

August 15th, 1937,

Page 3.,

Job No.	Project No.	Our File No.	Description
226-31	LD-SD 2	27-F	Section 26, Township 108 N., Range 73 W., 5th P. E., Lyman County, South Dakota.
226-32	LD-SD 2	28-F	Section 9, Township 107 N., Range 73 W., 5th P. E., Lyman County, South Dakota.
226-34	LD-SD 2	29-F	Section 11, Township 1 N., Range 31 E., N.H.P., Jones County, South Dakota.

Very truly yours,

DEAN W. FOUCKS,
State Engineer.

DWL:fzh

August 23, 1933

Kenneth D. Huddle,
Acting Project Manager
Bureau of Agricultural Economics
Hyde Block
Pierre, South Dakota

Dear Mr. Huddle:

Re: U. S. Withdrawals

Herewith we are enclosing Certificates of Withdrawals, U. S. Bureau of Agricultural Economics, No. 55 to 56 inclusive, which we have made out in accordance with our previous conversation.

Very truly yours,

DEAN J. LOUCKS,
State Engineer.

U.S.:dm
Enc.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
~~RESETTLEMENT~~ ADMINISTRATION

Hyde Block
Pierre, South Dakota

August 11, 1938

IN REPLY REFER TO

Mr. Dean W. Loucks
State Engineer
Pierre, South Dakota

Dear Mr. Loucks:

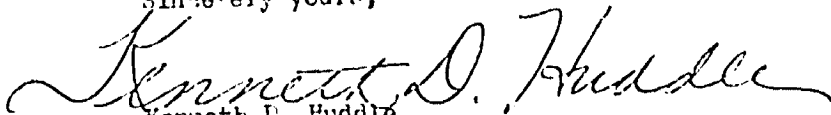
I herewith submit to you one copy each of Location Notices and descriptions of earth impounding dams constructed up to this date by the United States Government. These dams were all constructed by the same agency of the United States Government that was first designated as the Land Utilization Division of the Resettlement Administration, later as the Land Utilization Division of the Farm Security Administration and now as the Land Utilization Division of the Bureau of Agricultural Economics.

There is also enclosed a map of the South Central South Dakota Land Adjustment Project, on which is marked the location of each of the dams constructed to date and for which location notices have previously been filed with you or are being filed at this time; also, a list entitled "Names and Locations of Dams Constructed by the United States Department of Agriculture", which gives the exact location of each embankment in relation to some known section corner.

The Location Notices herewith enclosed are for the following reservoirs: Dams No. 226-25, 226-35, 226-36B, 243-1, 243-2, 243-3, 243-4, 243-5, 243-6, 243-7, 243-10, 243-11, and 243-12.

We are instructed by the authorities in charge of our organization to secure from you a "Certificate of Withdrawal of Water for Appropriation to the United States Department of Agriculture" for each of the reservoirs previously filed with you on August 13, 1937 and for each of those being filed with you at this time. We would also appreciate receiving from you a written acknowledgment of the receipt of each of these notices in your office.

Sincerely yours,


Kenneth D. Huddle
Acting Project Manager

KDH:No
Enclosures

OVERSIZE

DOCUMENT IS

SUPPLEMENTARY

TO MICROFILM FILE