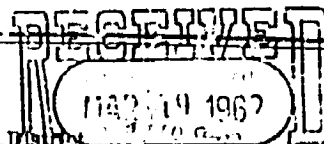


643-1

1. Considered 5-9, 1962
2. Name of Applicant Prudence Bourglu
3. Post Office Address Buffalo
4. Amount of water claimed 4.85
5. Source of water supply Duck & Wm. Duck Creek
6. Water to be used for irrigation
Acres to be irrigated 394
7. Water to be diverted and used in Shading County about
SE 7N miles of Endia
8. Proof of Publication Received ✓
Not Received _____
9. Application Approved A
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

No. 643-1

Water Division No. 1 GRAND RIVER
(Marks to be Filled by the Engineer for the W. R. C.)



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant MAURICE BRENGLE

Postoffice address BUFFALO, County HARDING, State S.D.

I. If a corporation

(a) Name of same

(b) Date and place of incorporation

(c) Amount of capital stock

(d) Amount paid in

(e) Names and addresses of directors

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work; and financial resources of the applicant:

(a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

(b) Cash on hand, \$

(c) Treasury stock, \$

(d) Bonds to be issued, \$

(e) Other resources, \$

2. Name of diversion work THE BRENGLE IRRIGATION PROJECT

3. Amount of water claimed 4.85 cubic feet per second

4. Source of water supply DUCK CREEK & WEST DUCK CREEK

From a point N 12°E 1220' from the W 1/4 Cor. S.2, T.16N., R.5 E to a point Creek
5. Location of point of diversion N. 80° E. 1412' from the W 1/4 Cor. S.13, T.16 N. R. 5 E. Duck
also a storage reservoir W. Duck Cr. N 12°W 990' from SE Cor. S.10, T.16, R5
on both bank Harding County.

6. Annual period or periods during which water is to be used April 1st thru Nov. 30th

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? Gravity Irrig.

(a) Number of acres to be irrigated 348 acres.

(b) Legal subdivisions to be irrigated

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

(c) Statement as to domestic use (giving location, etc.)

Stock water and irrigation

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

(a) Nature of use Stockwater & irrigation

Name any of the above uses claimed

(b) Amount of power to be generated None horse power.

Amount claimed for engine cooling None

(c) Location of plant None

(d) Method of developing power None

(e) Point where water will be returned to stream X X X X

MAP NO 541-1

SE-NW-10 ac., NW-SW-30 ac., NE-SW-23 ac., SW-SW-5 ac., SE-SW-30 ac.,	93 ac.
Sec. 8, T.16 N., R.5 E-BHM	
NW-NW-6 ac., NE-NW-16 ac., NE-SW-8 ac., NW-SE-8 ac., SW-SE-2 ac.,	34 ac.
Sec. 10, T.16 N., R.5 E-BHM	
NE-NE-17 ac., SW-NE-11 ac., SE-NE-22 ac., NE-SE-15 ac., SE-SE-14 ac.,	84 ac.
SW-SW-5 ac.,	
Sec. 11, T.16 N., R.5 E-BHM	
NW-NW-35 ac., NE-NW-13 ac., SW-NW-10 ac., SE-NW-3 ac., NW-SW-3 ac.	64 ac.
Sec. 12, T.16 N., R.5 E-BHM	
NW-NW-9 ac., SW-NW-19 ac., SE-NW-4 ac.	32 ac.
Sec. 13, T.16 N., R.5 E-BHM	
NW-NW-5 ac., NE-NW-10 ac., SE-NW-3 ac., NE-NE-4 ac., SW-NE-12 ac.	36 ac.
NW-SE-2 ac.,	
Sec. 14, T.16 N., R.5 E-BHM	
Total - -	348 ac.

Estimated cost of work:

(a) Head gates, \$ 500.00

(b) Pumping plant, \$

(c) Fluming, \$ 1500.00

(d) Canal-earth, \$

(e) Other structures dikes & ditches \$ 1800.00

Rock, \$

Total, \$3800.00

9. Description of diversion works: A system of spreader dikes with one storage reservoir

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

Earth storage reservoir (Estimated - 8000 C.Y. @ 18¢ \$ 1440.00

II. Dimensions of works. Dam to be surveyed later.

(a) Dam: Height feet; length at bottom feet; length at top

feet; thickness at bottom feet; thickness at top

feet; slope at front water face; slope at back face

material used in construction

(b) Reservoir: Capacity when filled acre feet. Surface area at highwater mark acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET--ACRES	FEET	ACRE-Feet CAPACITY

(c)* Head gate: Width feet; height feet;

Material

(d) Canal: Total length miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work 5 years.

11. Time required for complete application of water to the proposed beneficial use 5 years.

12. Choice of newspaper for publication of Notice of Intention to appropriate

The Times-Herald, Buffalo, So. Dak.

STATE OF SOUTH DAKOTA

County of Harding ss.

I, Maurice Brangle, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed Maurice Brangle

Subscribed and sworn to before me this 15th day of February, 1962 10

Carl M. Cornell,

Notary Public for the State of South Dakota

*Each diversion must have a headgate or measuring device

PLAT
OF
THE BRENGLE IRRIGATION PROJECT,
Section 2, 10, 11, 12, 13, 14, T. 16 N., R. 5 E. 2nd
Harding County, South Dakota.

Scale- 1 inch = 660 feet.
8 inches = 1 mile.

- - SURVEYOR'S CERTIFICATE - -

I, Carl M. Cornell, Licensed Surveyor, in and for the State of South Dakota, do hereby certify that, at the request of Maurice Brengle, owner of the tracts herein described, I have made a survey and prepared this plat showing the area and description of the various irrigable tracts embraced in the Application for a Permit to appropriate water for irrigation purposes, of which application this plat is a part.

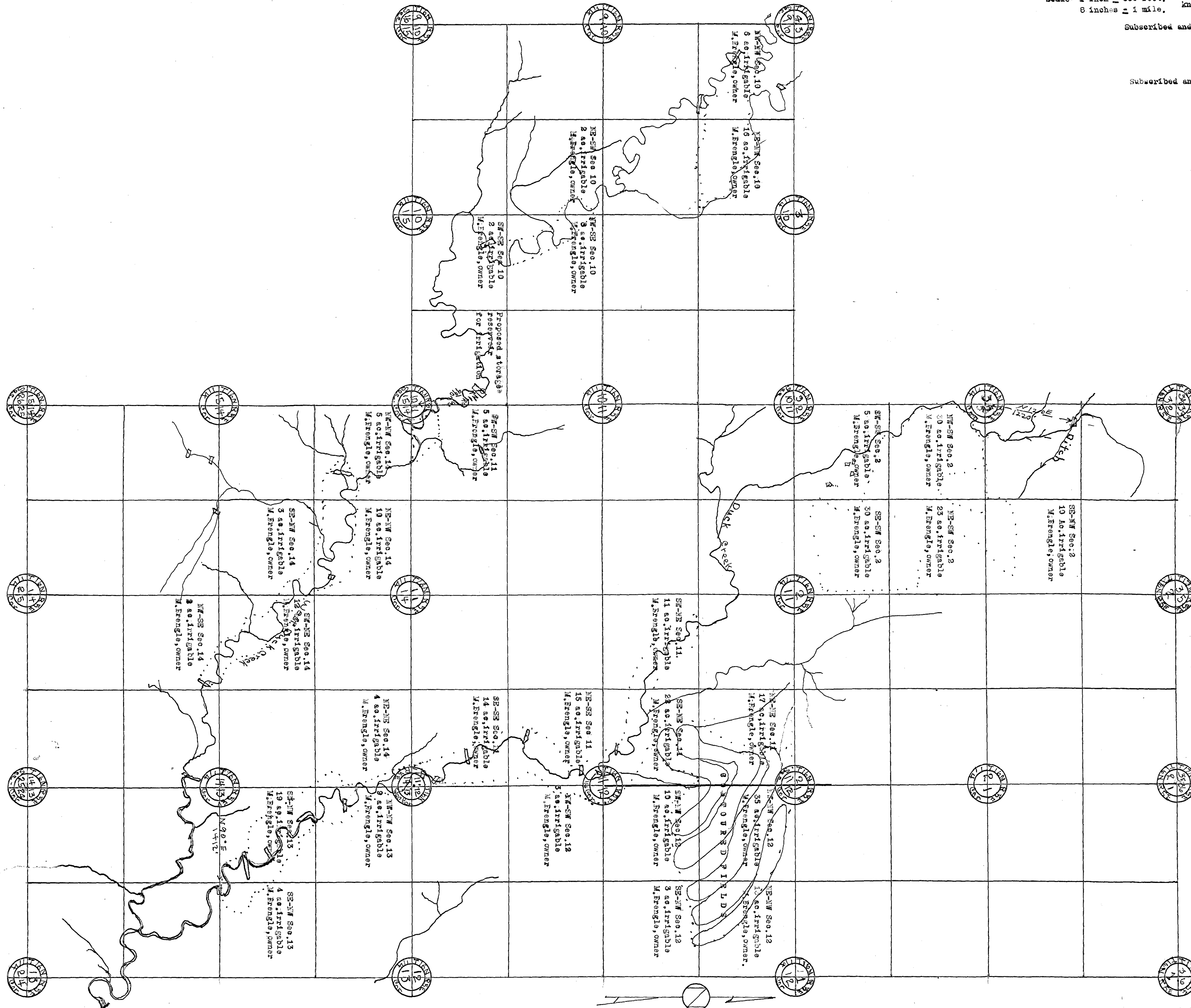
I further certify that the bearings and lengths of the various lines, shown hereon, and their location with reference to the several Government Land Corners shown hereon, are correct, to the best of my knowledge and belief.

Subscribed and sworn to at Buffalo, South Dakota this 23rd day of February 1902.

Signed, *Carl M. Cornell*
Carl M. Cornell, Licensed Surveyor
(SEAL) #144

Subscribed and sworn to before me at Buffalo, South Dakota this 23rd day of February 1902.

Eleanor Lindholm
Notary Public. (SEAL)



Remarks by State Water Resources Commission:

The diversion rate limitation of 1 cubic foot per second for each 70 acres irrigated shall not apply to this Dry Draw irrigation diversion during periods of flood flows, when such flows are in excess of the amount of water required to satisfy domestic use requirements and other water rights.

STATE OF SOUTH DAKOTA
County of HUGHES } ss.

Pierre, South Dakota, MAY 17, 1962

This is to certify that the foregoing application was received by the Commission at 9:10 o'clock
a.m. upon the 19TH day of MARCH, 1962

State Water Resources Commission

By:

Burton J. Jones
Chief Engineer, Executive Officer

Number of permit 643-1

Date of first receipt of application MARCH 19, 1962

Date of return to applicant for correction, amendments or changes required as follows: _____, 19____

Date of receipt of corrected application _____, 19____

Date from which applicant may claim right MARCH 19, 1962

Approved MAY 9, 1962, Recorded in Book 7 Page 89

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before _____

NOVEMBER 9, 1964

2nd. The whole of said work is to be completed on or before MAY 9, 1967

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

MAY 9, 1967

4th. The water appropriated shall be used for the purpose of IRRIGATION

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed 4.85 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually

and beneficially applied for irrigation on or before MAY 9, 1967; said water to be used during the following described annual period:

APRIL 1 THRU NOVEMBER 30

Witness my hand this 17TH day of MAY, 1962

State Water Resources Commission

By:

Gerold K. Jones
Chief Engineer, Executive Officer

Certificate of Construction Issued NOVEMBER 2, 1970

Water License Issued NOVEMBER 2, 1970

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 643-1

(1) WHEREAS, On the 19th day of March A. D. 19 62
Maurice Brengle

made Water Right Application No. 643-1 for a permit to use 4.85 cubic feet per second of the waters of Duck and West Duck Creeks
 County of Harding State of South Dakota, for irrigation

purpose; and
 (2) WHEREAS, On the 17th day of May A. D. 19 62
 Permit No. 643-1 with a date of priority of March 19, 1962

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 9th day of May A. D. 19 67 and for the application to beneficial use of said water on or before the 9th day of May A. D. 19 67

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 4.85 cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent. **For irrigating the following land in T16N, R5E:**

Acres			Acres		
Section 2	SE $\frac{1}{4}$ NW $\frac{1}{4}$	10	Section 12	NE $\frac{1}{4}$ NW $\frac{1}{4}$	35
	NW $\frac{1}{4}$ SW $\frac{1}{4}$	30		NE $\frac{1}{4}$ NW $\frac{1}{4}$	13
	NE $\frac{1}{4}$ SW $\frac{1}{4}$	23		SW $\frac{1}{4}$ NW $\frac{1}{4}$	10
	SW $\frac{1}{4}$ SW $\frac{1}{4}$	5		SE $\frac{1}{4}$ NW $\frac{1}{4}$	3
	SE $\frac{1}{4}$ SW $\frac{1}{4}$	20		NW $\frac{1}{4}$ SW $\frac{1}{4}$	3
Section 10	NW $\frac{1}{4}$ NW $\frac{1}{4}$	6	Section 13	NW $\frac{1}{4}$ NW $\frac{1}{4}$	9
	NE $\frac{1}{4}$ NW $\frac{1}{4}$	16		SW $\frac{1}{4}$ NW $\frac{1}{4}$	19
	NE $\frac{1}{4}$ SW $\frac{1}{4}$	2		SE $\frac{1}{4}$ NW $\frac{1}{4}$	4
	NW $\frac{1}{4}$ SE $\frac{1}{4}$	8	Section 14	NW $\frac{1}{4}$ NW $\frac{1}{4}$	5
	SW $\frac{1}{4}$ SE $\frac{1}{4}$	2		NE $\frac{1}{4}$ NW $\frac{1}{4}$	10
Section 11	NE $\frac{1}{4}$ NE $\frac{1}{4}$	17		SE $\frac{1}{4}$ NW $\frac{1}{4}$	3
	SW $\frac{1}{4}$ NE $\frac{1}{4}$	11		NE $\frac{1}{4}$ NE $\frac{1}{4}$	12
	SE $\frac{1}{4}$ NE $\frac{1}{4}$	22		SW $\frac{1}{4}$ NE $\frac{1}{4}$	2
	NE $\frac{1}{4}$ SE $\frac{1}{4}$	15			
	SE $\frac{1}{4}$ SE $\frac{1}{4}$	14			
	SW $\frac{1}{4}$ SW $\frac{1}{4}$	5			
				TOTAL	348 Acres

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Maurice Brengle

of Buffalo, South Dakota

the holder _____ and owner _____ of said permit No. 643-1 a water right, dating from March 19, 1962 to use of 4.85 cubic feet per second of the waters

of Duck and West Duck Creek

in the County of Harding and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted at North 12° East 1220' from the W½ Corner, Section 2,
to a point North 90° East, 1412' from the W½ Corner, Section 12; (Duck Creek) and

storage reservoir (West Duck Creek) North 12° West, 990' from the SE Corner, Section 10,
all in T16N, R5E

and conduit to and upon portions of Sections 2, 10, 11, 12, 13 and 14, T16N, R5E, described on
the face of this license

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 643-1 and subject to the laws of the State of South Dakota

WITNESS. My hand and seal of our office at Pierre, South Dakota
this 2nd day of November A. D.
Nineteen Hundred and Seventy

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRIMES

Form 15.

Permit No. 643-1

Water Diversion No. 1 GRAND RIVER Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Maurice Brengle

the holder of

Permit No. 643-1, issued upon Application No. 643-1, bearing date of priority of March 19,
1962 authorizing the diversion of 4.85 cu. ft. per second of the waters of

Duck & West Duck Creek County of Harding, State of South Dakota at

North 12° East 1220' from the W $\frac{1}{2}$ Corner, Section 2, to a point North 90° East,
1412' from the W $\frac{1}{2}$ Corner, Section 12; (Duck Creek) and storage reservoir (West
Duck Creek) North 12° West, 190' from the SE Corner, Section 10, all in T16N, R5E
for irrigation

purposes, and complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 4.85 cu. ft. per second of water.

Date November 2, 1970

WATER RESOURCES COMMISSION

By:

J.W. CRIMES, Executive Officer

Permit No. 643-1Water Division 1 GRAND RIVER Water District

REPORT OF EXAMINATION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by Maurice Brengle
holder
of Buffalo, S.D.
 of Permit No. 643-1, bearing date of priority of March 19, 1962
 authorizing the diversion of 4.85 cu. ft. per second of the waters of Duck Creek & West Duck Creek
 for irrigation purposes, in Harding County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water: Numerous spreader dikes across creek channels, one stock water dam in West Branch Duck Creek that has pipe and gate that can release water, has two stock dams on Duck Creek with pipes and gates that can release water.

B. Works used to transport water to place of use,
 Has ditches to carry water to place of release on high ground.

C. Works used to apply water to beneficial use.
 Numerous diversion dikes and spreader dikes to spread water over irrigated areas.

The system is in the following condition: excellent

The point of diversion is located N. 12° E., from W½ Cor. Section 2, T16N, R5E to a point N. 90° E., 1412' from the W½ Corner, Sec. 13, T16N, R5E (Duck Creek) also storage Reservoir West Duck Creek, N. 12° West, 990 ft. from SE Corner, Section 10, T16N, R5E

The works are capable of diverting and conveying to the place of use 4.85cu. ft. per second of water which is to be used for irrigationWater has been put to beneficial use to the maximum extent as follows: as listing shows in Permit 643-1

comprising a total of 348 acres of land.

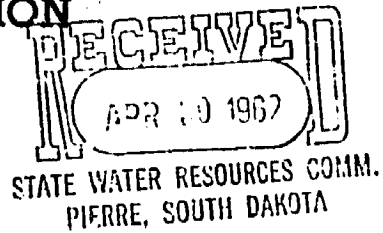
also has developed dikes and spreaders on several small drainage areas in addition to Permit acreage.

Date October 23, 1970

Marvin Knecht
 (Signature)
 MARVIN KNECHT, Engineer
 Water Resources Commission

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
 County Harding } ss.



Donald L. Cammack being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the Buffalo Times-Herald a newspaper which during the whole time of publication of said notice herein after stated, has been and is printed and published in the town Buffalo of Harding County of Harding and State of South Dakota; that the said notice was published in said newspaper on the following dates:

April 5, 1962

April 12, 1962

April 19, 1962

April 26, 1962

in each and every issue of the full number thereof, the first publication being made on the 5th day of April

1962 and the last publication on the 26th day of April

1962, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was the printer and publisher of the said newspaper.

Donald L. Cammack

APPROPRIATION OF WATER

No. 643-1
 Office of State Water Resources
 Commission, Pierre, S. Dak.,
 March 27, 1962.

Notice is hereby given that Maurice Brengle, whose postoffice address is Buffalo, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 4.83 cubic feet of water per second of time from Duck and West Duck Creeks through the Brengle Irrigation Project, the point of diversion of which is to be located on both banks of said streams between a point in the SW¹/₄ NW¹/₄, Section 2, and a point in the SE¹/₄ of the NW¹/₄ of Section 13, Twp. 16N Range 52. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SE¹/₄NW¹/₄, NW¹/₄, Section 2; NE¹/₄NW¹/₄, NE¹/₄SW¹/₄ and E¹/₄NW¹/₄, Section 10; NE¹/₄ and E¹/₄, SW¹/₄, Section 11; NW¹/₄ and NW¹/₄, SW¹/₄, Section 12; NW¹/₄, Section 13; NE¹/₄NE¹/₄, SW¹/₄NE¹/₄, NW¹/₄SE¹/₄ and NW¹/₄, Section 14, all in T16N, R52E.

This application will be taken up by the State Water Resources Commission at their office, 31 Pierre for consideration upon the 9th day of May, 1962, at 2 P. M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission
 By: HURDON F. JONES
 Water Right Specialist

ALT-JUR (Pub. April 5-12-19-26) 643-1

Subscribed and sworn to before me this 27th day of April A. D. 19 62

Notary Public

Notary Public Harding County, S. D.

on or before April 12, 1962
 (First Publication April 12, 1962)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., March 27, 1962

Notice is hereby given that Maurice Brangle whose postoffice address is Buffalo S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 4.85 cubic feet of water per second of time from the Duck & West Duck Creeks through the Brangle Irrigation Project, the point of diversion of which is to be located on both between a point in the SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 2, and a point bank of said stream in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 13 portions of Twp. 15N Range 22E Said water to be used for the purpose of providing irrigation on the following described land:

SE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 2; NE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ and E $\frac{1}{4}$ NW $\frac{1}{4}$, Section 10;
NE $\frac{1}{4}$ and E $\frac{1}{4}$, SE $\frac{1}{4}$, Section 1; NW $\frac{1}{4}$ and NW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 12; NW $\frac{1}{4}$,
Section 13; NE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ & NW $\frac{1}{4}$, Section 14, all in
NE $\frac{1}{4}$ T15N, R5E

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 2th day of May, 1962, at 2 P. M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission

By:

CC: D. L. Cammack, Publisher
 Buffalo Times-Herald
 Buffalo, South Dakota

 BURTON F. JONES
 Water Right Specialist

**OVERSIZE
DOCUMENT IS
SUPPLEMENTARY
TO MICROFILM FILE**