

2528.3

1. Considered 3-17, 19 76
2. Name of Applicant RONALD JONGELING
3. Post office Address CASTLEWOOD
4. Amount of water claimed 3.8
5. Source of water supply GROUND WATER (2-52' WELLS)
6. Water to be used for IRRIGATION
- Acres to be irrigated 270
7. Water to be diverted and used in HAMLIN county
about 3 N, 46 W miles of ESTELLINE
8. Proof of Publication Received 2-27-76
Not received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

Map No. 1899-3 Water Division No. 3 BIG SIOUX RIVER District
 (Blanks to be Filled by the Engineer for the W. R. C.)


APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

1. Name of Applicant Ronald Songeling
 Postoffice address Castro, State South Dakota - 57223
 If a corporation show date and place of incorporation NA
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract Labor
3. Name of diversion work Songeling Irrigation Project
4. Amount of water claimed (cubic feet per second) 3.8
5. Source of water supply 2 wells
6. Location of point of diversion Well #1 - N 27° 41' at SE corner sec 1 - 113 - 52
Well #2 - N 45° 40' at SE corner sec 1 - 113 - 52
 County Hamlin
7. Annual period or periods during which water is to be used April through October
8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 270

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
N 1/2 of NE 1/4 sec 1 - 113 - 52	3.9	N 1/2 of SE 1/4 sec 1 - 113 - 52	40
SW 1/4 " " " "	40	NE 1/4 " " " "	39
SE 1/4 " " " "	39	SW 1/4 " " " "	35
		SE 1/4 " " " "	38

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use three years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Hamlin County Republican
Castro
12. Principal Features of the Proposed Water Supply System.

 A. Works proposed to divert water from its natural source.
2 wells with electrically driven deep well turbines

 B. Works proposed to transport water to place of use.
closed conduits

 C. Works proposed to apply water to beneficial use.
center pivot irrigation machines
Estimated Total Cost \$80,000
 Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation)

STATE OF SOUTH DAKOTA

County of Brookings
 I, Ronald Songeling, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction,
Signed Ronald SongelingSubscribed and sworn to before me this 25 day of September, 1976
Notary Public (or other qualified officer)
812-25916

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2528.3
RONALD JONGELING CASTLEWOOD
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57223 With the following modifications:
 (State)

The irrigation well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application FEBRUARY 6 1976
 Date of return to applicant for correction, amendments or changes required --- 19---
 Date of receipt of corrected application --- 19---
 Approved MARCH 17 1976, Recorded in Book 14 Page 311

WATER RIGHT PERMIT NO. 2528.3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2528.3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is FEBRUARY 6 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 17 1978
3. The whole of said work is to be completed on or before MARCH 17 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 17 1984
5. The water appropriated shall be used for the purpose of IRRIGATION
6. 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.
7. The amount of the appropriation herein granted shall not exceed 3.8 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and 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 MARCH 17 1984; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 22ND day of MARCH 1976

WATER RIGHTS COMMISSION

By:

John Hart
 Chief Engineer, Executive Officer

Certificate of Construction Issued --- 19---

Water License Issued --- 19---

2 identical wells



Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

(1) Drill Hole, Diameter 9.2", Depth 52'
(2) Casing, Type Steel, Diameter 14", Thickness 3/16"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Continuous Slot, Diameter 14", Length 10'
(4) Gravel Pack, Thickness 4", Length of gravel pack 30'

E. Dugout Information or Estimates

(1) Surface dimensions —, Depth —

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials 0' to 5' top material;
5' to 12' Sand and gravel layer; 12' to 29' fine sand;
29' to 52' Sand and gravel mixed
52' - clay

Depth to top of water bearing material 20'

Depth to bottom of water bearing material 52'

Thickness of water bearing material 32'

Depth to water (ground surface to water level) 22'

(2) Distance to nearest existing household or livestock watering wells.

* On same owner's property — rds. On property owned by others — rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

	same property	other property
Well #1	100 rds	160 rds
Well #2	80 rds	100 rds

Ronald Angilly
Signature of Applicant

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: Miss D. Pfeiffer

Disapproved: _____

NAME: Ronald S. Longling
ADDRESS: Castleside Small Ditch
COUNTY: Hemlock

LEGAL DESCRIPTION

1. WELL LOCATION: Block 1, Sec 1 - 113-52-4
2. AREA TO BE IRRIGATED: SE 1/4 Sec 1 & S 2/4 NW 1/4 Sec 1 - 113-52

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: corn, oats & alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: _____
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 76-031
8. SALINITY: EC = 883 (mod - high)
9. SODIUM: SAR = 0.66 (low)

I do hereby certify that a chemical analysis of the ground water to be acquired for irrigation from South Dakota State University and: the land capability for irrigation information has been acquired from

_____ and:

that the legal description for the location of the well and land to be irrigated is true and correct.

Ronald Jorgeling

Subscribed and sworn before me this

25 day of Jan 1976.

John J. Williams

B. E. # 1716

(Title)

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Per, Wengeling
 Address: Castleton, SD 57223

Date Rec'd: January 21, 1976
 Sample No.: 76-032
 Identification: Well-FC
Well, Sec. 1, T.113N, R.52W

WATER ANALYSIS

Calcium (Ca)	100	ppm*	5.00	me/l**
Magnesium (Mg)	55	ppm	4.51	me/l
Sodium (Na)	53	ppm	1.44	me/l
Potassium (K)	4	ppm	0.09	me/l
Sulfate (SO ₄)	205	ppm	4.89	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.07	me/l
Bicarbonate (HCO ₃)	371	ppm	6.05	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	304	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	993	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.66			
Sodium	13.04	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.45			

*ppm=parts per million

**me/l=millequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 11.04 me/l
 Total anions 11.04 me/l

By: Shirley Mitten

Service Performed

Amount Due

Irrigation analysis

8.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-032

Amount Enclosed \$

Signed

Publish first publication, on or before March 4, 1976NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 15, 1976Notice is hereby given that Ronald Jongelingwhose post office address is Castlewood, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use3.8 cubic feet of water per second of time from ~~the~~ ground water through theRon Jongeling #1, the point of diversion of which is to be located in the _____Center of the NE $\frac{1}{4}$ and center of the E $\frac{1}{2}$ of Section 1, Twp. 113N, Range 52W. Said water to be used for the purposeof providing irrigation on ^{portions of} the following described land:SE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 1, T113N, R52W

This application No. 2528-3 will be considered by the Water Rights Commission at their office at Pierre upon the 17th day of March, 1976, at 1:00 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc:

Ronald Jongeling, Castlewood, S.D. 57223

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hamlin) ss.

I, Jean Norman hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Hamlin Co Republican

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

City of Castlewood
County of Hamlin and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

Feb. 19, 1976

Feb. 26, 1976

Jean Norman
(Signature)

Business Manager
(Title)

Feb 26, 1976
(Date Signed)

PUBLIC NOTICES

**NOTICE
INTENT TO APPROPRIATE
WATER**

Pierre, South Dakota 57501
February 13, 1976

Notice is hereby given that
Ronald Jongeling, whose post
office address is Castlewood,
South Dakota, has made an ap-
plication in accordance with
the provisions of the water laws
of South Dakota for a permit to
appropriate for beneficial use
3.8 cubic feet of water per sec-
ond of time from ground water
through the Ron Jongeling #1,
the point of diversion of which
is to be located in the Center of
the NE 1/4 and center of the
E 1/2 of Section 1, Twp. 113N,
Range 52W. Said water to be
used for the purpose of providing
irrigation on portions of the fol-
lowing described land:
SE 1/4, S 1/2 NE 1/4, NW
1/4 NE 1/4, Section 1, T113N,
R52W

This application No. 2528-3
will be considered by the Water
Rights Commission at their of-
fice at Pierre upon the 17th day
of March, 1976, at 1:00 P.M.
All interested persons may ap-
pear and be heard.

WATER RESOURCES COM-
MISSION

By: BURTON F. JONES
Water Rights Specialist
(Feb. 19-26)



25.28.3. Donald Jorgeling by J. J. Whinnings
6.21.18. Has put in only one well. It puts
out 300 gpm. They want to put in
Ch. 2nd well to run the c.p. also
want to cover over one.

Check in 1981



Department of Water & Natural Resources

Joa Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

W/P 2528-3

September 10, 1984

Sept. 19, 1984, Ronald Jongeling called the Div. of Cons. is not irrigating the land in question. Div. of Cons. is satisfied and no further action will be done. Permit is satisfactory.

Betty Westlund

Keep this letter in file in case there are further questions on this Permit...

Ronald Jongeling
Castelwood, S.D. 57223

Dear Mr. Jongeling:

In checking your water permit no. 2528-3 to irrigate the SE $\frac{1}{4}$: S $\frac{1}{4}$ NE $\frac{1}{4}$ and NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 1-T113N-R52W from two wells one in the center of the SE $\frac{1}{4}$ and one in the center of the E $\frac{1}{2}$ both in Section 1. It has been discovered that you do not have soil/water compatibility approval for the NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 1-T113N-R52W from the State Conservation Commission.

In order to bring this permit into compliance with the S.D. State Laws soil/water compatibility approval must be acquired from the State Conservation Commission if you are irrigating this land. For procedures and forms contact Jim Stukel, Division of Conservation, Anderson Building, Pierre, South Dakota 57501, Phone No. 773-3259.

You should check also with Mr. Stukel regarding the well in the approximate center of the E $\frac{1}{2}$. If this well was drilled in order to run the center pivot on your system soil/water compatibility may be required for this well also if it does not meet with their rules and regulations.

Sincerely,

BETTY WESTLUND
NATURAL RESOURCE ANALYST III

bw

cc: Jim Stukel, Division of Conservation

Equal Opportunity Employer



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

August 24, 1989

2528-3

Ronald Jongeling
RR #2 Box 91
Castlewood, SD 57223

Dear Mr. Jongeling:

The inspection of your water use system as developed under Water Permit No. 2528-3 was conducted on August 4, 1988. A review of the water permit file prior to licensing found the existing soil/water compatibility approval is not adequate.

The soil/water compatibility on file is for a well in the center of Section 1, T113N, R52W to irrigate the SE 1/4 and S 1/2 NE 1/4 Section 1. Your well is approximately 3000 feet from this location. Enclosed is a partially completed soil/water permit application. Please complete and return the form to:

Jim Stukel, Division of Conservation, 445 E Capitol, Pierre
SD 57501

A new water sample will be required. I have enclosed a label to be attached to the water sample bottle and an instruction sheet showing the sampling procedure. The water sample should be sent to the Water Quality Lab, SDSU, Brookings, SD 57007.

As soon as the Division of Conservation receives the soil/water permit application and the sample analysis (from the lab in Brookings), the application will be processed and the results forwarded to our Division. When the permit is forwarded to us, (assuming that the soil/water compatibility application is approved) we will begin processing your Water License.

If you have any questions, please contact Jim Stukel with the Division of Conservation, at 773-3259 or myself at 773-3352.

Sincerely,

GENNY MCMATH
Natural Resources Analyst
(773-3352)

enclosures

cc: Jim Stukel, Division of Conservation



Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

4418

WR#

OWNERS NAME: Donald J. ... OWNERS ADDRESS: RR #2, Box 91
Canton, SD 57223

COUNTY LAND LOCATED IN: DeWitt PHONE: 372-2850

LEGAL DESCRIPTION: ☒ Well ☐ Surface

1. LOCATION: 1590'W x 940'S of the SE1/4 NE1/4 1-T113N-R52W
Depth: 40-50' DIRT

Legal Description	Acres	Legal Description	Acres
SE1/4 NE1/4 1-T113N-R52W	32		
SW1/4 NE1/4 1-T113N-R52W	34		
NE1/4 SE1/4 1-T113N-R52W	30	Total acres irrigated	125
NE1/4 SE1/4 1-T113N-R52W	29		

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: X GUN: _____ OTHER: _____
(Specify)

3. CROPS TO BE IRRIGATED: Corn, beans & alfalfa

WATER QUALITY:

4. WATER SAMPLE NUMBER: 89-0487 7. ADJUSTED (SAR): 1.41
5. SALINITY (EC X 10⁻¹): 220 8. PERCENT SODIUM: 11.52
6. SODIUM (SAR): 0.47

Requirements:

[Signature]
Director, Division of Conservation

10/10/1989
Date

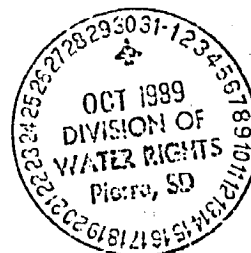
APPROVED

DISAPPROVED

WAIVER

REQUIREMENTS

Soil/water permits will be recorded by the Department
of Agriculture, with the County Register of Deeds.



SOUTH Dakota Department of
Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

November 28, 1989

2528-3

Ronald Jongeling
RR #2 Box 91
Castlewood, SD 57223

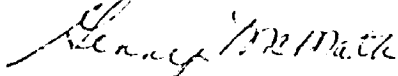
Dear Mr. Jongeling:

We have received the Soil/Water Compatibility approval from the Division of Conservation for your Water Permit No. 2528-3. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,



GENNY MCMATH
Natural Resources Analyst
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411984

Pierre, December 4, 1989

RECEIVED OF Ronald Jonnell, NE #2 Box 91, Castlewood, SD 57223

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>Water Permit No. 2528-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By John Hatch/mra
Chief Engineer John Hatch/mra

Water Rights Division - DWR

File No. 2578-3

Conversation or File Documentation

NAME OF PERSON OR FILE: Ronald TorgelsonADDRESS: 182 Box 91 Castlewood CO 80722 COUNTY HumboldtDATE: 8-24-88 TELEPHONE (605) 893-2853RE: Licensing of Permit No. 2578-3

COMMENTS:

On 8-4-88 I inspected Permit No. 2578-3 for licensing. The lands & well were located as stated in the advertisement. However, the soil/water compatibility form indicated that the well ~~was~~ ^{was} about 3000 feet from where it is actually located. A new water sample will be needed & new soil/water approval.

Also, there is no log available for the irrigation well. It was drilled by R.E. Kahoke, and he called (9-12-88) to say he did not have the log and he thought we should have it. I checked and could not find it in our files. Mr. Kahoke has died recently so we will just have to assume the log is not available.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Glenn M. Bunker

Permit No. 2528-3BIG SIOUX RIVER Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DWNR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by RONALD
JONGELING of RR 2 Box 91
CASTLEWOOD, S.D. holder of
 Permit No. 2528-3, bearing the priority of FEBRUARY 6, 1976 authorizing
 the diversion of 3.8 cu. ft. per second of the waters of GROUNDWATER (1 WELL)
 for IRRIGATION purposes, in HAMLIN County.

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

A. Works used to divert the water:

ONE 40-50' DEEP WELL WITH 16" DIAMETER STEEL CASING & 30' OF GALVANIZED STEEL
 AN HPC HYDRAULIC PRODUCTS CO. INC. PUMP; MODEL-12 MME-450; 500 GPM CAPACITY
 A 50 HP U.S. ELECTRIC HIGH THRUST MOTOR; TYPE-RU; 1715 RPM; ID #R-6232-01-811
 CODE #L-7L
 SERIAL # 1976Y

B. Works used to transport water to place of use:

1260' OF 8" UNDERGROUND PVC PIPE

C. Works used to apply water to beneficial use:

A 10 TOWER GIFFORD HILLS CENTER PIVOT WITH END GUN
 1280' LONG; HIGH PRESSURE (60-65 PSI); 500 GPM CAPACITY
 MODEL - 064-124-71413; SERIAL # 76L44-040776
 The system is in the following condition FAIR

The point of diversion is located 1590' WEST + 940' SOUTH OF THE
NORTHEAST CORNER OF SECTION 1, T113N, R52W.

The works are capable of diverting and conveying to the place of use 1.11 (500 GPM)
 cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows: ALL IN SECTION 1, T113N, R52W

SE 1/4 NE 1/4 - 32 ACRES NW 1/4 SE 1/4 - 30 ACRES
SW 1/4 NE 1/4 - 34 ACRES NE 1/4 SE 1/4 - 29 ACRES

comprising a total of 125 acres of land and the license should be issued for 1.11 cfs

Applicable permit qualifications have been complied with Yes ☒ No

Exceptions to compliance are: 1. NEEDS NEW SOIL/WATER COMPATIBILITY Date 8-9-88
2. NO WELL LOG AVAILABLE

APPROVAL (Received 10-30-88)

Thomas M. Burdette
 (Signature)

LICENSE FOR PERMIT NUMBER 2528-3

1. Legal location of wells: NW¹/₄ NE¹/₄ of Sec 1, T113N, R52W
dams & structures: One Center Pivot near center of E¹/₂ of Sec. 4, T113N, R52W

2. Well Information: Well Drilling Firm Kahnke

Completion Report Yes No ✓ No. of Wells 1 Depth 40-50'

Casing a) diameter

Screen a) type

b) length

b) length

c) type

Static Water Level

Pump a) make

Motor a) make

b) model

b) model No.

c) size

c) horsepower rating

d) capacity gpm

e) turbine pump - no. of stages

f) operating PSI

(Other information on
report of examination
of works)

3. Distribution lines or canals

a) size 8"

b) type PVC

c) length See Sheet (Map)

4. Dam Information:

a) height to crest

m) Outlet tubes:

b) height to primary spillway

1) diameter

c) height to secondary spillway

2) type

d) crest width

3) valved (Y/N)

e) crest length

4) valve type

f) spillway length

5) location on structure

g) spillway width

h) approx. storage

n) Category of Dam

i) approx. storage to crest

j) date constructed

k) inspection sheet completed (Y/N)

l) Name of Contractor

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2528-3

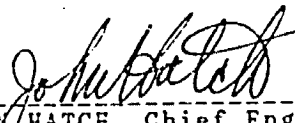
(1) Ronald Jongeling of RR 2, Box 91, Castlewood SD 57223 made Application No. 2528-3, February 6, 1976 for a water permit to appropriate 3.8 cubic feet of water per second from groundwater (two wells), Hamlin County, South Dakota for irrigation purposes. Permit No. 2528-3 with a priority date of February 6, 1976 was approved March 17, 1976 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before March 17, 1981 and for the application to beneficial use of said water on or before March 17, 1984.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.11 cubic feet of water per second for beneficial use. The location of the diversion point is: 1590' West and 940' South of the NE corner of Section 1, T113N, R52W (NW 1/4 NE 1/4).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

T113N, R52W Section 1	SE 1/4 NE 1/4	32 acres
	SW 1/4 NE 1/4	34 "
	NW 1/4 SE 1/4	30 "
	NE 1/4 SE 1/4	29 "
	TOTAL	125 acres

(4) Pursuant to Section 46-5-30.1 Ronald Jongeling of RR 2, Box 91, Castlewood SD 57223 the holder(s) and/or owner(s) of Water Permit No. 2528-3 is issued a license to appropriate water, the right to use 1.11 cubic feet of water per second from groundwater (one well) with a priority date of February 6, 1976 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 2528-3 and subject to South Dakota State Law.



JOHN HATCH, Chief Engineer
Water Rights Division
Department of Water and Natural
Resources

DEC 26 1989



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

DEC 26 1989

2528-3

Ronald Jongeling
RR 2, Box 91
Castlewood SD 57223

Dear Mr. Jongeling:

Enclosed is Water License No. 2528-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 411984 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 2528-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures



RECEIVED

FEB 21 2002

WATER RIGHTS
PROGRAM

2528-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.v.state.sd.us/denr

February 12, 2002

Ronald Jongeling
RR 2 Box 91
Castlewood SD 57223

Dear Mr. Jongeling:

I am writing in regard to a well driller's report filed by Bullis Bros. The report shows the new well was completed on November 23, 2001 and replaces an old irrigation well. The report states the new well is located in the NW 1/4 NE 1/4 Sec 1-T113N-R51W.

A review of our files indicates your irrigation wells are located as follows:

- Water Right No. 2528-3 authorizes a well located in the NW 1/4 NE 1/4 Sec 1-T113N-R52W.
- Water Right No. 4418-3 authorizes a well located in the SE 1/4 NW 1/4 Sec 5-T113N-R51W.
- Water Right No. 4993A-3 authorizes two wells located in the SE 1/4 Sec 25-T113N-R51W.
- Water Right No. 5011-3 authorizes a well located in the NE 1/4 SW 1/4 Sec 29-T114N-R51W.

Which water right is the new well a replacement for? If appears the well driller put the wrong legal description on the report form. Would this be correct? *yes*

Thank you for clarifying this matter. If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Karen Schlaak
Water Rights Program
605 773-3352

enclosures

*The above outlined
Sec 1 - 113 - 52
is the correct legal*

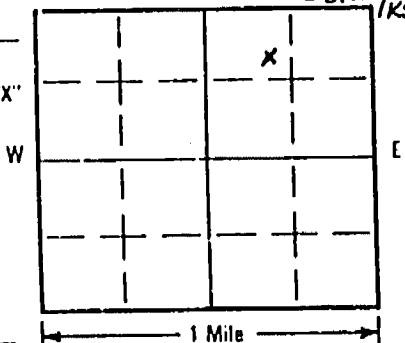
SOUTH DAKOTA WATER WELL COMPLETION REPORT

2528-3

07-92

Location N 1/4 NE 1/4 Sec 1 Twp 113N Rg 52W
County Hamlin North 52W/1K5

Please mark well location with an "X"



Well Completion Date

11-23-01

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? None ft. from None (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Boring Rig

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>Sch 40</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>27 1/2</u> FT	<u>24"</u> IN
<u>Sch 40</u> LB/FT	<u>16</u> IN	<u>34 1/2</u> FT	<u>38</u> FT	<u>24"</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type Cement No. of Sacks 2 Grout Weight _____ lb./gal From 0 ft To 10 ft
(Ready mix Truck) lb./gal _____ ft _____ ft
Describe grouting procedure Pressure Grouted
Through Tremie Pipe

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 16 IN Length 7 FEET

Material Stainless

Slot Size 120 Set From 27 1/2 Feet to 34 1/2 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

X YES, How: Chlorine
during Grout
Packing
NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Ronald Sengeling
Business Name: _____
Address: RR 2 Box 91
Castlewood, SD 57223

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Fill-Black Soil</u>		
<u>Gravel + Clay</u>	<u>0</u>	<u>5 1/2</u>
<u>Top Soil (Gumbo)</u>	<u>5 1/2</u>	<u>7 1/2</u>
<u>Grayish yellow Clay</u>	<u>7 1/2</u>	<u>11</u>
<u>Grzy & white med Sand</u>	<u>11</u>	<u>20</u>
<u>Med to Course Grzy</u>		
<u>Sand w/ Fines</u>	<u>20</u>	<u>34</u>
<u>Grzy Clay</u>	<u>34</u>	<u>39</u>
<u>Yellow Clay</u>	<u>39</u>	<u>62</u>
<u>Blue Clay</u>	<u>62</u>	<u>85</u>

STATIC WATER LEVEL 6 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: Drawdown with
☐ Bailed in 2 1/2' above top
☐ Other of screen

Pumping Level Below Land Surface

25 ft. After 26 Hrs. pumped 530 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well replaces
old Irrigation well.
Screen had gone bad.

This well was drilled under license # 4

And this report is true and accurate.

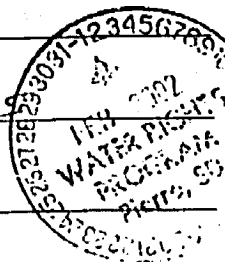
Drilling firm Bullis Bros

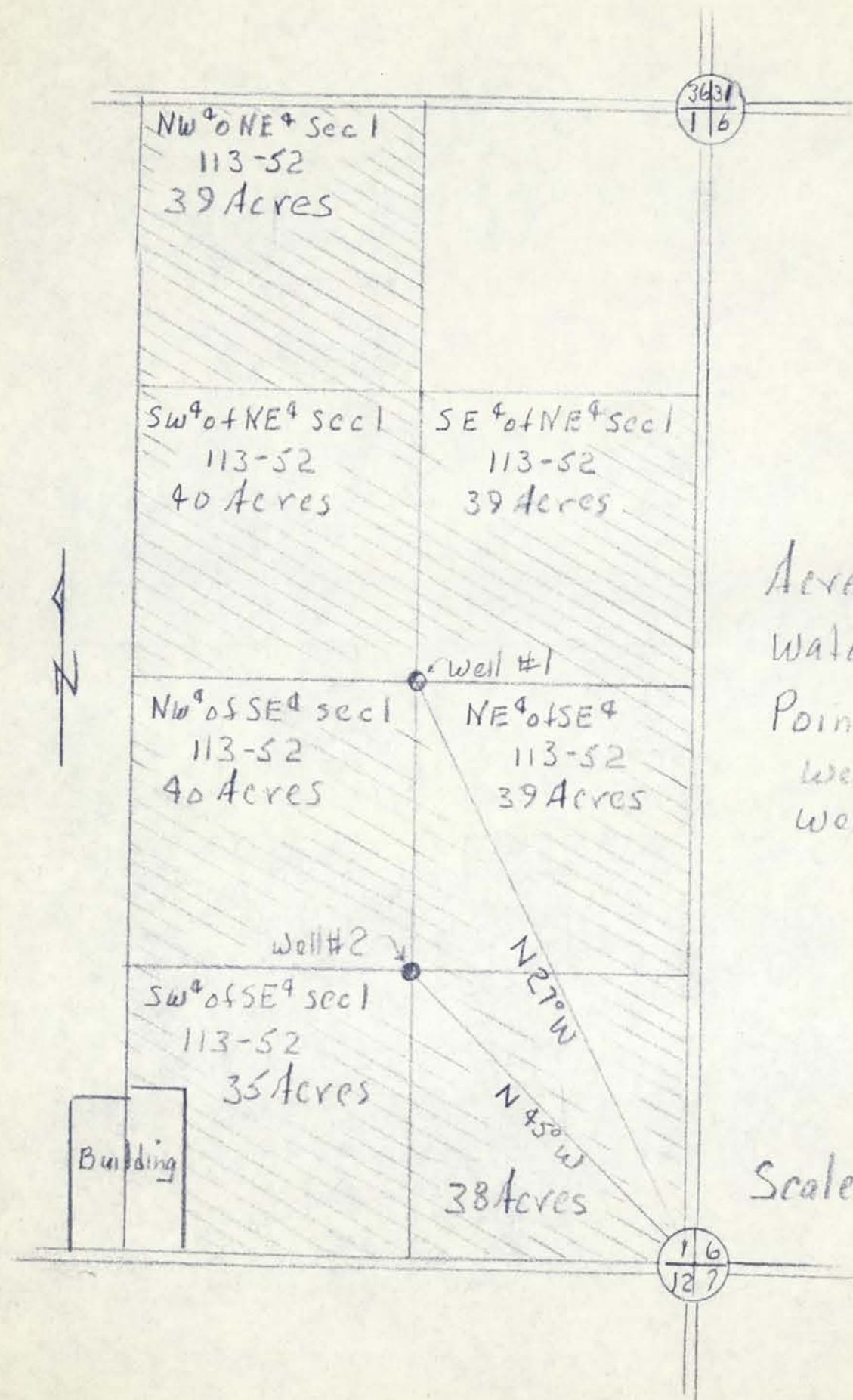
Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Ronald Sengeling

Date: 11-23-01





RONALD JONGELING

IRRIGATION PROJECT #1

Castlewood 57223 S. Dakota
Hamlin County

Acres Irrigated - 270
Water claimed - 3.8 cfs

Point of Diversion

Well #1 - N 27° W of SE corner - Sec 1 - 113-52
Well #2 - N 45° W of SE corner - Sec 1 - 113-52

Scale - 8" = 1 Mile

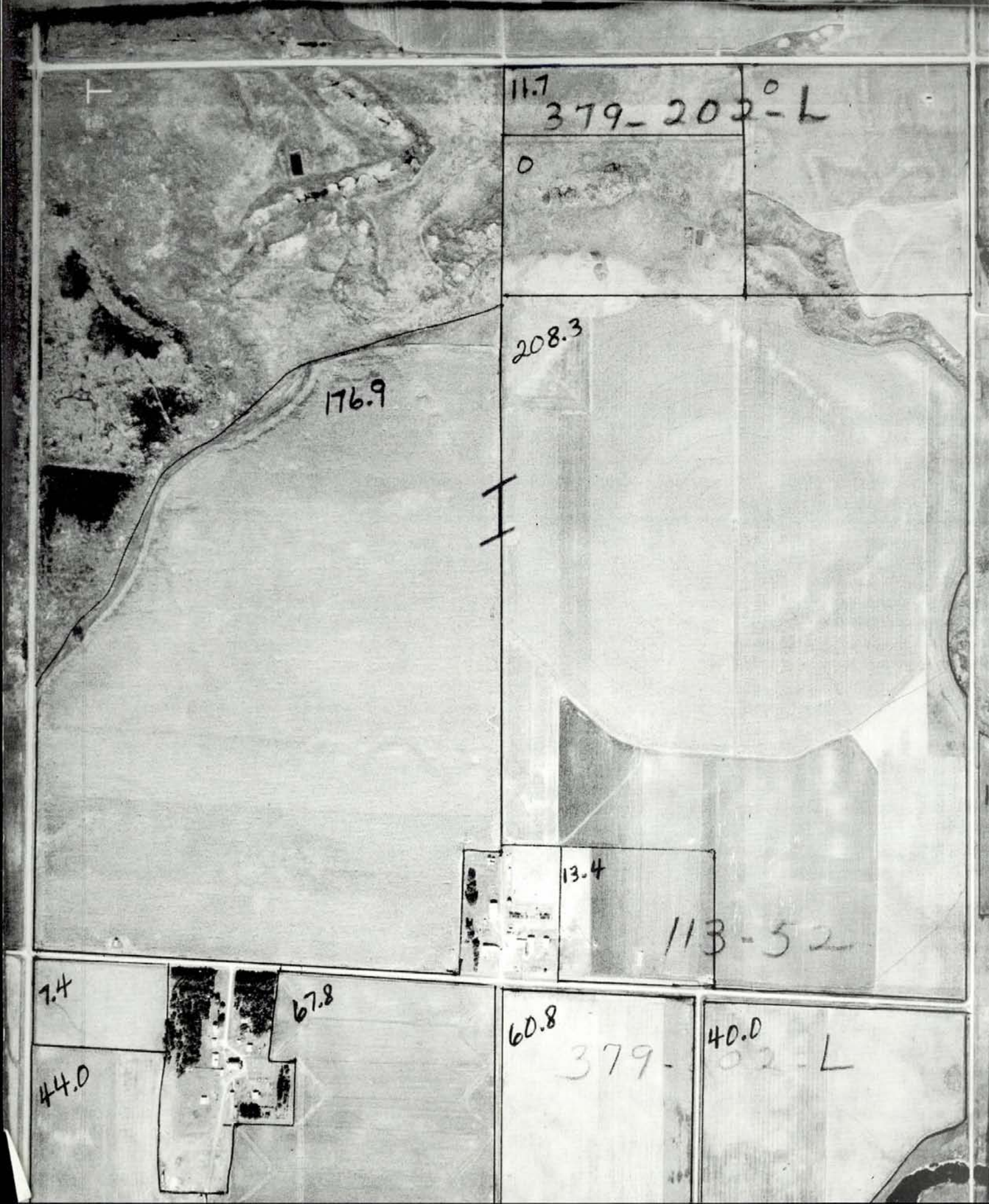
Surveyor's Certificate

I, John L. Liliersma, do hereby certify that this map identifies a reasonably accurate record of the land of:

Ronald Jongeling
Castlewood
1-25-76
Drawing by John L. Liliersma
South Dakota
Hamlin Co.
P.E. #1916
Brookings
South Dakota

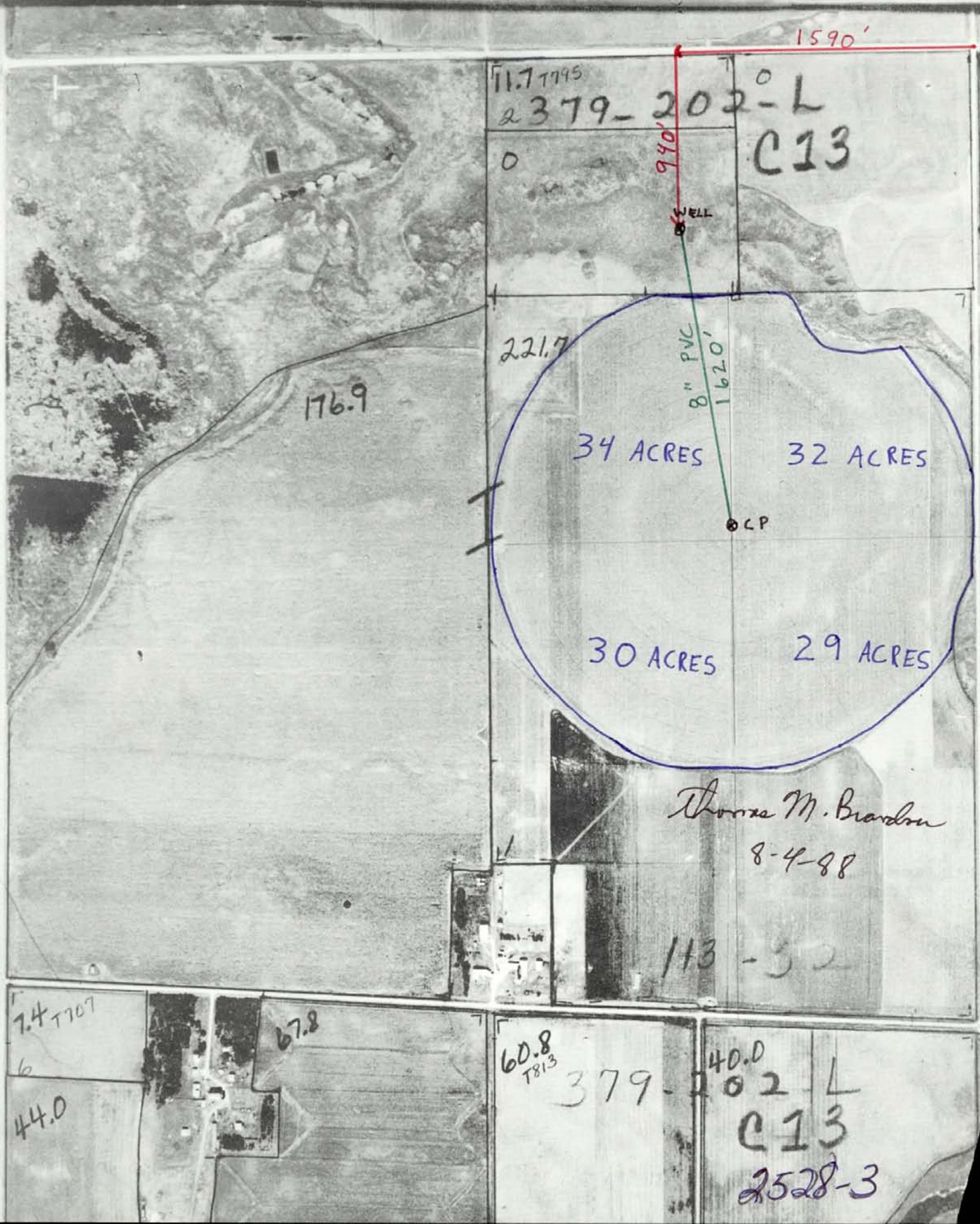
MAP NR 1894-3 APPL NR 2528-3

NOT TO SCALE



1988

NOT TO SCALE



2528-3

RECEIVED

SEP 27 2021

WATER RIGHTS
PROGRAM

9-21-21

Ron,

In 1976 I applied for a permit to irrigate the E $\frac{1}{2}$ of 1-113-52.

I originally applied for 2 wells but only put in 1 due to cost.

In dry years 1 well will not produce enough water. I would like to add the 2nd well but I am not asking for additional water.

Enclosed are the papers you asked me to send.

Thanks

Ronald Jongeling
45950 191st St
Casewood SD 57223

No. 2528-3Map No. 1899-3

3 BIG SIOUX RIVER

Water Division No.

District

(Blanks to be Filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Ronald Jongeling
 Postoffice address Castlewood State South Dakota 57223
 If a corporation show date and place of incorporation NA
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Jongeling Irrigation Project #1
4. Amount of water claimed (cubic feet per second) 3.8
5. Source of water supply 2 wells
6. Location of point of diversion Well #1 - N27°W of SE corner - Sec 1-113-52
Well #2 - N45°W of SE corner - Sec 1-113-52
 County Hamlin
7. Annual period or periods during which water is to be used Apr 1 through October
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 270

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
NW ¹ of NE ¹ Sec 1-113-52	39	NW ¹ of SE ¹ of Sec 1-113-52	40
SW ¹ of NE ¹ Sec 1-113-52	40	NE ¹ of SE ¹ of Sec 1-113-52	39
SE ¹ of NE ¹ Sec 1-113-52	39	SW ¹ of SE ¹ of Sec 1-113-52	35
		SE ¹ of SE ¹ of Sec 1-113-52	38

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Flur years. Additional time required to complete application of water to the proposed beneficial use three years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Hamlin County Republican
Castlewood
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

2 wells with electrically driven deep well turbines

B. Works proposed to transport water to place of use.

6105 ft conduit pipe

C. Works proposed to apply water to beneficial use.

Center pivot irrigation MachineEstimated Total Cost \$ 80,000

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

) ss.

County of BrookingsI, Ronald Jongeling

the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed

Ronald Jongeling

Subscribed and sworn to before me this

25

day of

January1976

Notary Public (or other qualified officer)

P. E. H. 476

WATER RIGHT APPLICATION APPROVAL

2528-3

The Water Rights Commission hereby approves Water Right Application No.

Castlewood

(Post Office Address)

Ronald Jongeling

(Applicant)

South Dakota

(State)

With the following modifications:

The irrigation well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application

February 6

1976

Date of return to applicant for correction, amendments or changes required

19

Date of receipt of corrected application

19

Approved March 17

1976

Recorded in Book

14

Page

311

WATER RIGHT PERMIT NO. 2528-3

2528-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2528-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is

February 6

1976

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

September 17, 1978

3. The whole of said work is to be completed on or before

March 17

1981

4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is

March 17

1984

5. The water appropriated shall be used for the purpose of

irrigation

6. 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.

7. The amount of the appropriation herein granted shall not exceed 3.8 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and 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 March 17 1984 said water to be used during the following described annual period:

April thru October

Witness my hand this

22nd

day of

March

1976

WATER RIGHTS COMMISSION

By:

Chief Engineer, Executive Officer

JOHN HATCH

Certificate of Construction Issued

19

Water License Issued

19



United States
Department of
Agriculture

Hamlin County, South Dakota



Common Land Unit

- Cropland
- Non-cropland
- Conservation Reserve Program

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

- Tract Boundary
- Section Line



2012 Ortho-Photography - not to scale

2014 Program Year

Map Created January 23, 2014

Farm 1783

1 -113N -52W

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 22", Depth 52'
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 14" Thickness 3/16"
- (3) Perforated Screen.
Type Continuous slot, Diameter 14", Length 10'
- (4) Gravel Pack. Thickness 4", Length of gravel pack 30'

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials 0' to 5' top material, 5' to 12' sand and gravel layer, 12' to 29' fine sand, 29' to 52' sand and gravel mixed, 52' + - clay

Depth to top of water bearing material 20'

Depth to bottom of water bearing material 52'

Thickness of water bearing material 32'

Depth to water (ground surface to water level) 22'

- (2) Distance to nearest existing household or livestock watering wells.

* On same owner's property _____ rds. On property owned by others _____ rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

	same property	other property
* well #1	160 rds	1604 rds
well #2	80 rds	100 rds

Approval of Additional Diversion Point

NAME: Ronald Jongeling**ADDRESS:** 45940 191st St, Castlewood, SD 57223**DATE:** September 29, 2021**COUNTY:** Hamlin**TELEPHONE:** 605-873-2853**BACKGROUND:**

Water Right No. 2528-3 authorizes a maximum instantaneous diversion rate of 1.11 cfs from one well completed into the Big Sioux: Brookings aquifer (52 feet deep) in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1 for the irrigation of 125 acres located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 1; all in T113N-R52W. The original water permit authorized two wells, but Water Right No. 2528-3 was licensed for only one well in December 1989.

Ronald Jongeling submitted a letter on September 21, 2021 requesting an additional well to be located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1-T113N-R52W for a total of two wells to be authorized under Water Right No. 2528-3. It was noted in the letter that the additional well is requested because the original well does not produce enough water in dry years and the second well was not completed due to cost at the time prior to the permit being licensed for one well.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The water source remains the Big Sioux; Brookings aquifer. Ronald Jongeling indicated in the letter that the original well and a proposed well will not exceed 1.11 cfs during operation. Therefore, no additional water is appropriated.

- **If irrigation, no new land is irrigated**

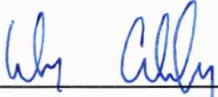
Water Right No. 2528-3 authorizes 125 acres of irrigation. Ronald Jongeling indicated in the letter that other than the additional well, all other information from Water Right No. 2528-3 remains the same.

- **Review of existing diversions**

The additional well is to be located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1-T113N-R52W. Water Right No. 6809-3, held by Walseth-Purcell Partnership, is the closest water right to the original well and proposed location for the additional well. The diversion point authorized by Water Right No. 6809-3 is approximately 1.9 miles northwest of the original well and the location for the additional well. Given there is no history of well interference complaints from the Big Sioux: Brookings aquifer, and no additional water is to be appropriated, there is a reasonable probability the additional well will not increase the potential for unlawful impairment of existing water rights/permits, or domestic users with adequate wells within the Big Sioux: Brookings aquifer.

RECOMENNDED ACTION:

Based on the above criteria, it is recommended that the additional diversion point as described above be authorized under Water Right No. 2528-3.



Lindsey Cederberg
Natural Resource Engineer I
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46:5:13.1 and ARSD 74:02:01:14:01 that:

The additional diversion point does not increase the potential for adverse effects to existing diversions.



Eric Gronlund, Chief Engineer
Water Rights Program



2528-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

September 29, 2021

Ronald Jongeling
45950 191st St.
Castlewood, SD 57223

Dear Ronald Jongeling

I am writing in regard to your request for an additional well which is currently authorized by Water Right 2528-3. Water Right No. 2528-3 authorizes a maximum instantaneous diversion rate of 1.11 cubic feet of water per second (cfs) [500 gpm] from one well (52 feet deep) completed into the Big Sioux: Brookings aquifer located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1-T113N-R52W. An additional well to be completed into the Big Sioux: Brookings aquifer located either northeast or southeast of the existing well has been requested. The request intends for two wells be used to supply the water authorized under Water Right No. 2528-3.

Upon review of the request and pursuant to SDCL 46-5-13.1, the additional well to be completed into the Big Sioux: Brookings aquifer and located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1-T113N-R52W, is authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4.

The peak pump rate authorized by Water Right No. 2528-3 is 1.11 cfs (500 gpm). Granting of this request for an additional well does not allow for an increase in this authorized pump rate. It is common that standard quarter section center pivots operate using a pump rate greater than 1.11 cfs. If that is the case, you will need to apply for a new water right permit for the increased diversion rate since no increase in the authorized by approval of your request.

If you have any questions, please contact me at (605) 773-3352.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program