FORM 2: Application for irrigation in South Dakota
(type or print)

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MAY 12 2023
OFFICE OF WATER

Mail to:	No. 8766-3 Hydrologic Unit 10170203
SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	Basin Lower Big Sioux Newspaper Elk Point/Southern Union Cty Leader-Courier 356-2432 (1 hwy) Yankton Daily Press & Dakotan (office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application: ■ **New** ☐ **Vested Right** (Use predates Mar 2, 1955) ☐ **Amendment/Correction to Permit No.** _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Kenny Chicoine

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 48042 329th St (Address) Jefferson (City) SD (State) 57038 (Zip Code)

Phone 6056701543 Mobile 6056701543 Email kenny.chicoine@gmail.com

2. Amount of water claimed 1.78 *CFS or 800 **GPM ____ ***AF Total Acreage 85
(*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Irrigation Well

4. Location of point of diversion 1 well in NE 1/4 of section 14 T90N-R49W. (approximate center)
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

The well will be located on the south side of I29. County Union

5. County or counties where water will be used Union

6. Annual period during which water is to be used 4/1 to 12/1

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

NE Land Description	Acres	Land Description	Acres
SW 1/4 of the ~~NW~~ 1/4 section 14	40		
NW 1/4 of the ~~NW~~ NE 1/4 section 14	20		
SE 1/4 of the ~~NW~~ 1/4 section 14	25		
NE			

8. Give a description of the project. (Attach sheet if more space is needed)

I propose to drill an irrigation well for a center pivot.

Requesting a greater diversion rate than statutory limit.

I, Kenny Chicoine (Name of Person) _____ (Title (if applicable)), the applicant, certify under penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

1 m NW of Jefferson

Form 2A
(Complete applicable portions only)

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☑ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 1 Have test holes been drilled? ☐ Yes ■ No Drilled by _____
(if yes, please provide copies of logs)

b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

c) Well Depth **(required)** 100' Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property _____ Property owned by others _____

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

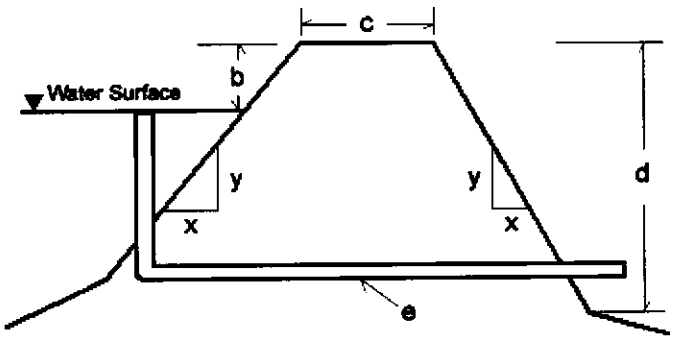
a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

Upstream _____

Downstream _____

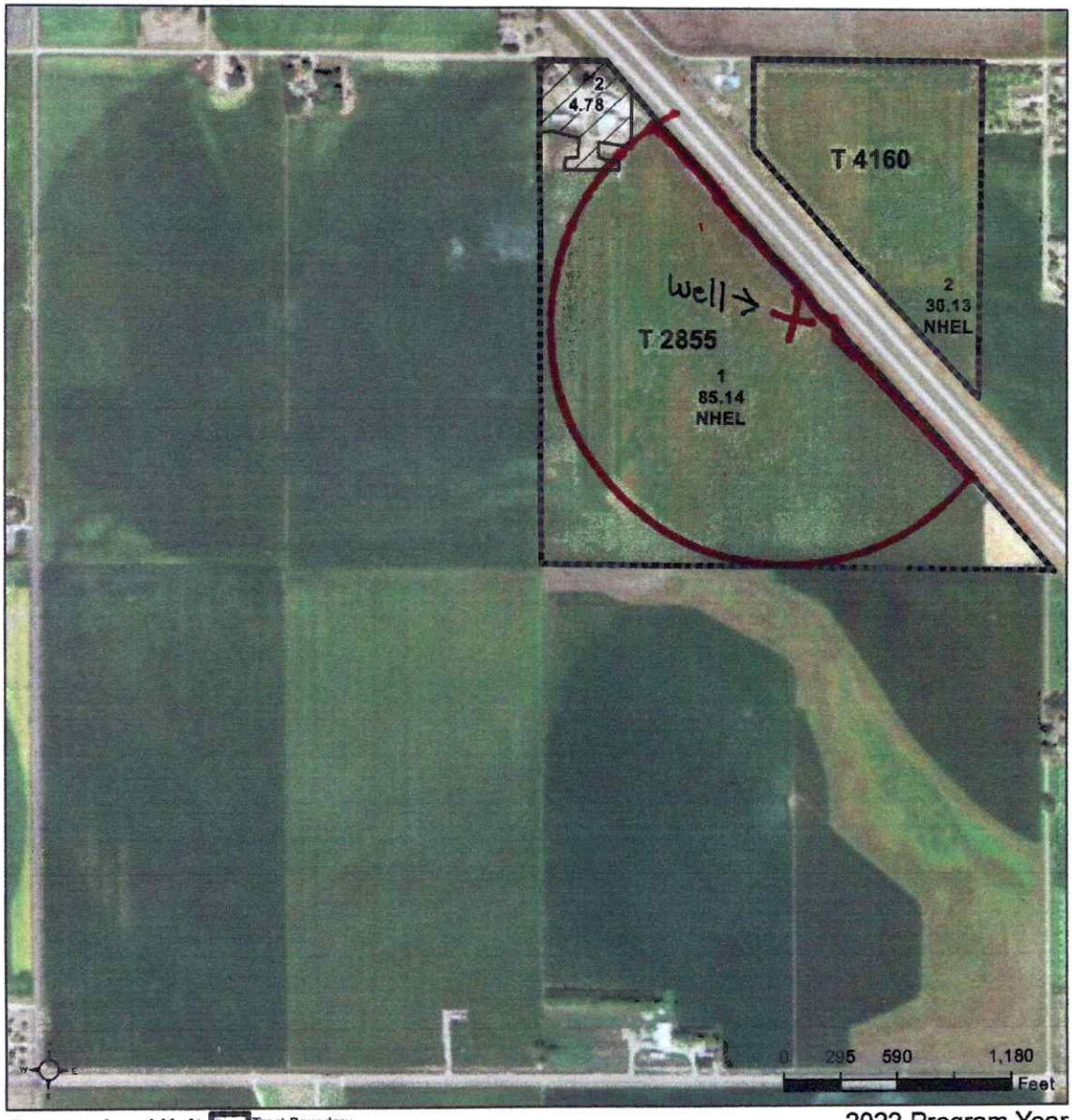
h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

USDA United States Department of Agriculture

Union County, South Dakota



Common Land Unit Tract Boundary
PLSS
Non-Cropland
Cropland

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Unless otherwise noted, crops listed below are:
Non-irrigated
Intended for Grain
Corn = Yellow
Soybeans = Common
Wheat - HRS or HRW
Sunflowers = Oil or Non-oil

Producer initial _____
Date _____

2022 Program Year
Map Created March 16, 2022
Farm **6808**

14-90N-49W-Union

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).

90N 49W
Section: 10
90N 49W
Section: 11
10170203 Lower Big Sioux
90N 49W
Section: 12
Well
90N 49W
Section: 15
90N 49W
Section: 14
90N 49W
Section: 13
90N 49W
Section: 16
10170101 Lewis and Clark Lake
90N 49W
Section: 24
90N 49W
Section: 22
90N 49W
Section: 21
90N 49W
Section: 23
90N 49W
Section: 28
90N 49W
Section: 27
90N 49W
Section: 26
90N 49W
Section: 25

8766-3

SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE ¼ NE ¼ Sec 14 Twp ~~X~~ 90N Rg ~~X~~ 49 W

per AM 7/13/23

County Union

North

Please mark well location with an "X"

W E

1 Mile

Well Completion Date 5-22-23

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1200 ft. from Septic Tank (identify source)

PROPOSED USE:
- [ ] Domestic/Stock
- [x] Irrigation
- [ ] Municipal
- [ ] Industrial
- [ ] Business
- [ ] Institutional
- [ ] Test holes
- [ ] Monitoring well

METHOD OF DRILLING: Reverse Rotary

CASING DATA: [ ] Steel [ ] Plastic [ ] Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
160 LB/FT	16 IN	0 FT	50 FT	26 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	113	Lb/gal	0 Ft	50 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure: Pumped down w/ Pressure Grouting

SCREEN: [ ] Perforated pipe [x] Manufactured

Diameter 16 Inches Length 40 Feet

Material PVC

Slot Size .050 Set From 50 Feet to 90 Feet

Other information

WAS A PACKER OR SEAL USED? [ ] Yes [x] No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?
- [x] Yes, How? Chlorine
- [ ] No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: Kenny Chicoine

Business Name:

Address: 48042 329th St.

City, State, Zip: Jefferson SD 57038

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Gray top Soil + Gumbo	0	5
Medium Sand	5	25
Coarse Sand	25	68
Gravel + Rock	68	90

STATIC WATER LEVEL 19 FEET

If flowing: closed in pressure PSI

GPM flow through Inch pipe

Controlled by [ ] Valve [ ] Reducers [ ] Other

Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:
- [x] Pumped
- [ ] Bailed
- [ ] Other

Describe: Pumped w/ turbine pump test pumped w/ engine

Pumping Level Below Land Surface

32 Ft. After 1 Hrs. pumped 850 GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: 800 GPM

REMARKS

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OFFICE OF WATER

This well was drilled under license # 444 and this report is true and accurate.

Drilling firm: Christensen Well + Irrigation

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder: [signature]

Date: 7/11/23