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OFFICE OF WATER

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

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|---|---|
| Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352 | No. <u>9019-3</u> Hydrologic Unit <u>07020001</u> |
| | Basin <u>Upper Minnesota</u> |
| | Newspaper <u>Watertown Public Opinion</u> <u>Watertown Current</u> (office use only) |

PAID

FEB 3 1 2025

Chk 4731

Rec'd

Application for Permit to Appropriate Water for Irrigation

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

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

1. Name to Appear on Irrigation Permit Jim or Dan Thyen

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

Mailing Address 46220 165 ST Water Town SD 57201
 (Address) (City) (State) (Zip Code)

Phone 605 520 8159 Mobile 605 520 8159 Email JThyen@itc tel. com

2. Amount of water claimed 0 *CFS or 0 **GPM 150 ***AF Total Acreage 22.5 25
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply 2 wells - Antelope Valley Aq

4. Location of point of diversion both - SW 1/4 NW 14 Sec 3, T119N, R51W
 (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

County Codington

5. County or counties where water will be used Codington

6. Annual period during which water is to be used May 1 - Sept 30

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)

| Land Description | Acres | Land Description | Acres |
|--|------------|------------------|-------|
| <u>03 - T119N R51W - NE 1/4 - SW 1/4</u> | <u>10</u> | | |
| <u>03 T119N R51W NE 1/4 NW 1/4</u> | <u>8</u> | | |
| <u>03 T119N R51W NW 1/4 NW 1/4</u> | <u>4.5</u> | | |

8. Give a description of the project. (Attach sheet if more space is needed)
 adding a cornering system to irrigation already authorized under WR No. 7975-3
add a small pivot to 10 acres SE corner and
Volume can for other corners for extreme dry periods
using Jim Thyen Sand trap on pivot PTR extra booster pump
 I, Jim Thyen, the applicant, certify under

Name of Person _____ Title (if applicable) _____
 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.

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)

2021-08

45.14546/-96.94126

16 N NE Watertown

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 _____ Have test holes been drilled? Yes No Drilled by _____
(if yes, please provide copies of logs)

b) If existing wells, how many 2 Provide copy of log(s), if available. Drilled by Thein Well Drilling
(see 7975-3)

For either existing or proposed wells:

c) Well Depth (required) 55' ⁵²⁻⁵⁴ 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 1970

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

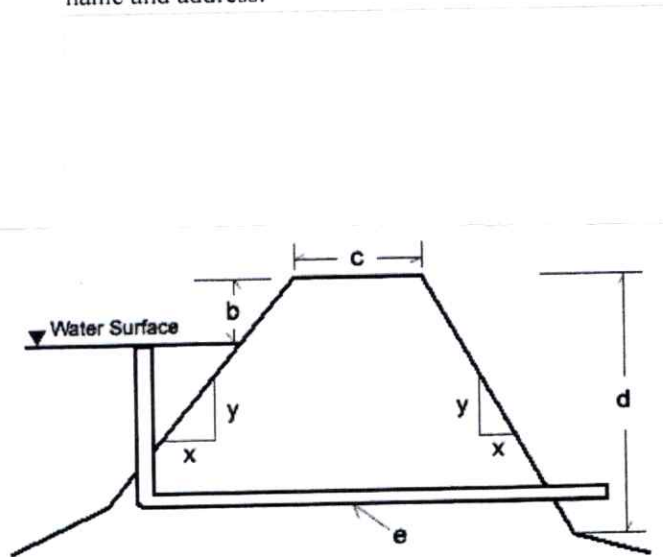
a) Surface Dimensions _____ Depth _____

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)

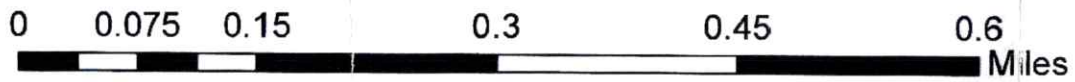
Upstream _____

Downstream _____

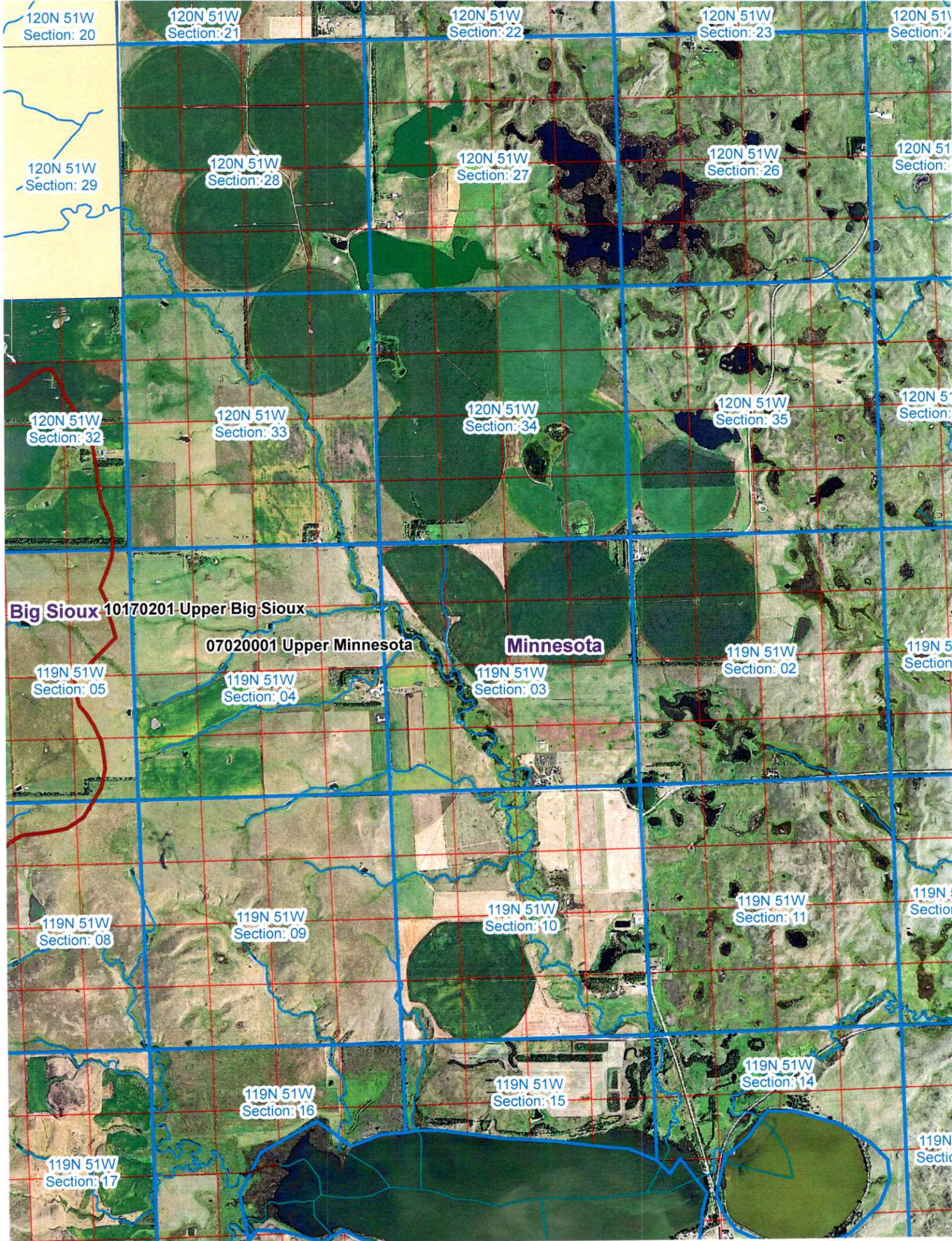
h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program



120N 51W
Section: 20

120N 51W
Section: 21

120N 51W
Section: 22

120N 51W
Section: 23

120N 51W
Section: 24

120N 51W
Section: 29

120N 51W
Section: 28

120N 51W
Section: 27

120N 51W
Section: 26

120N 51W
Section: 25

120N 51W
Section: 32

120N 51W
Section: 33

120N 51W
Section: 34

120N 51W
Section: 35

120N 51W
Section: 36

Big Sioux 10170201 Upper Big Sioux

07020001 Upper Minnesota

Minnesota

119N 51W
Section: 05

119N 51W
Section: 04

119N 51W
Section: 03

119N 51W
Section: 02

119N 51W
Section: 01

119N 51W
Section: 08

119N 51W
Section: 09

119N 51W
Section: 10

119N 51W
Section: 11

119N 51W
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Section: 14

119N 51W
Section: 17

119N 51W
Section: 13

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WATER

Douglas & Sandra Brandriet
1704 7th Ave NE
Watertown, SD 57201
Lots 1-2 & S1/2 NE1/4 4-T119-N R-51-W

Michael & Linda Henrichs Heritage Land Trust
15465 463rd Ave
South Shore, SD 57263
SE ¼ 4-T119-N R-51-W
W ½ SW ¼ 3-T119-N R-51-W

Grant Roberts Rural Water System
1205 S Dakota Street
Milbank, SD 57252
N1/2 Less RD & Less Strip in E1/2 NE1/4 & Less S490' E771' 10-T119N R-51-W

Joseph R. Arthur & John E. Arthur
46409 154th Street
South Shore, SD 57263
SE ¼ Less RD & Less Strip in E ½ SE ¼ 3-T119-N R-51-W

Arthur Family Land LLLP
42879 175th Street
Clark, SD 57225
NE ¼ Less Strip in E ½ NE ¼ 3-T119-N R-51-W
34-T120-N R-51-W
35-T120-N R-51-W

Stephen V & Jacqueline E Kowalski
46312 154th Street
South Shore, SD 57263
That portion commence at a point on S of Sec 34, which is 550' E of SW corner

James Zirbel
PO Box 85
South Shore, SD 57263
SE ¼ Ex Lot 1 Zirbel Subdiv
33-T120-N R-51-W