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JAN 21 2026

Water Rights Program

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>9021-3</u> Hydrologic Unit <u>07020001</u> Basin <u>Upper Minnesota</u> Newspaper <u>Milbank / Grant County Review</u> <u>Watertown Public Opinion</u> (office use only)
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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.)

- Name to Appear on Irrigation Permit Craig Arthur
Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.
Mailing Address 16116 456th Ave Watertown SD 57201
(Address) (City) (State) (Zip Code)
Phone 605-880-0289 Mobile _____ Email cjarthur30@hotmail.com
- Amount of water claimed ~~650~~ No Add'l *CFS or 650 **GPM _____ ***AF Total Acreage 80
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply existing well
- Location of point of diversion 1 well N88 degree W 860 ft from SE corner Sect 31 + 120N R49W County _____
(example - 3 wells in SW 1/4 NE 1/4 section 12-1104N-R53W)
- County or counties where water will be used Grant, County, SD
- Annual period during which water is to be used May - Sept 30
- 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
NW 40 of SE 1/4 120N 49W Sect 31	28		
NE 40 of SE 1/4 120N 49W Sect 31	30		
SE 40 of SE 1/4 120N 49W Sect 31	22		

8. Give a description of the project. (Attach sheet if more space is needed)
Adding center pivot to SE 1/4 of 120N 49W Section 31 to share split well with pivot currently in use that is located in NE 1/4 of 119N 49W sect 6. that is operating under permit number 8814-3

I, Craig Arthur Owner, 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)

45.15014/-96.74594

Supplemental Information

(type or print)

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- 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 1 Provide copy of log(s), if available. Drilled by Them Well

For either existing or proposed wells:

- c) Well Depth (required) 80 Depth to Top of Water Bearing Material 56 ft Depth to Water from Surface 3 ft
- 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

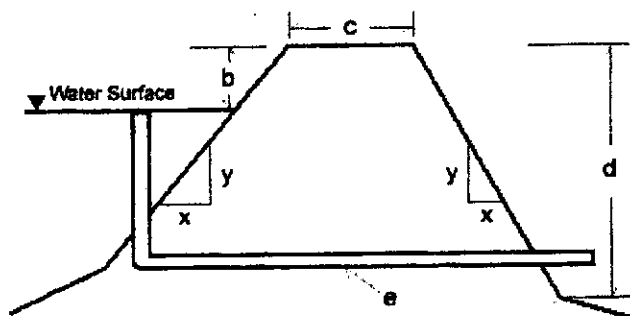
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

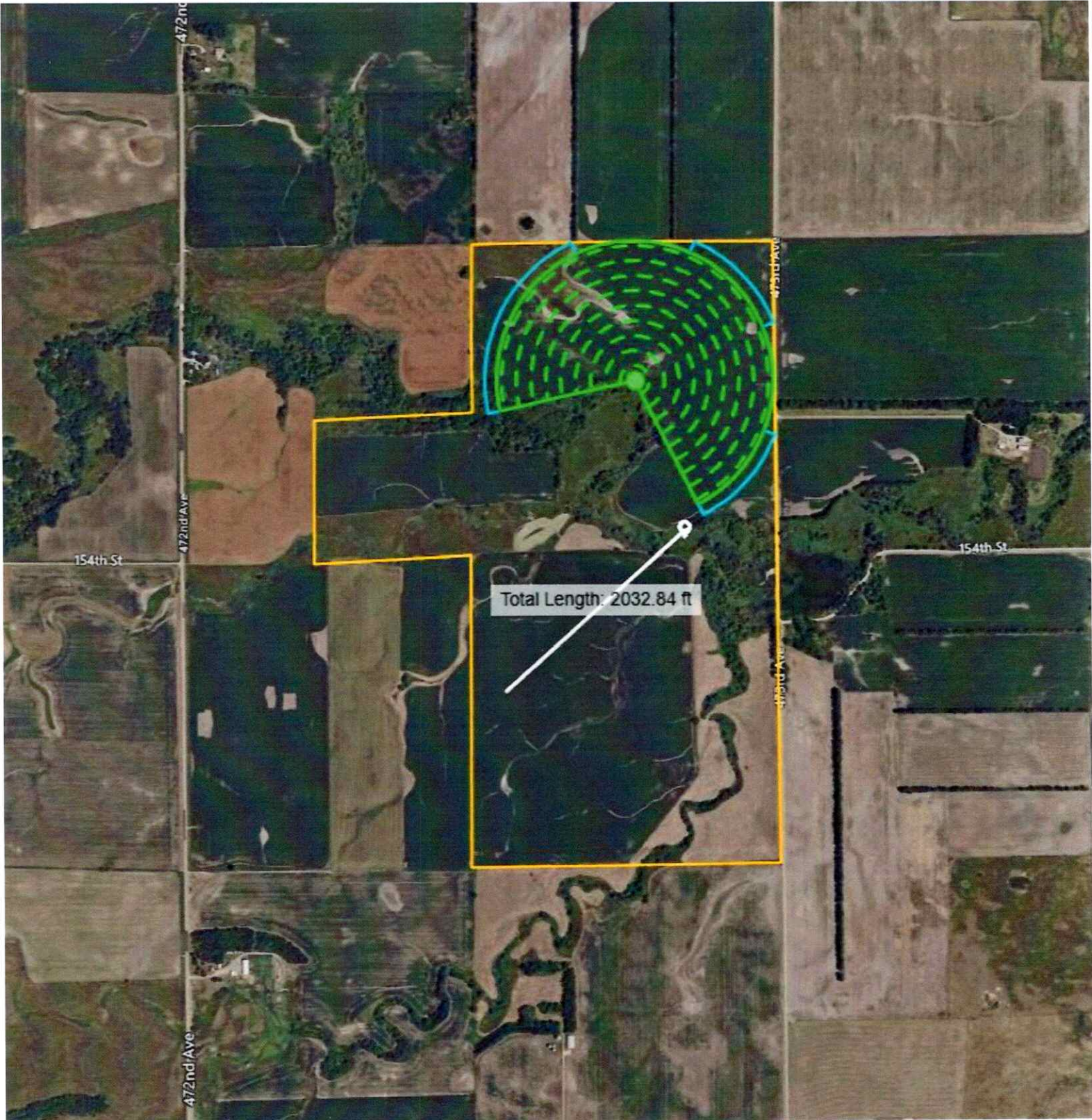
4. Water Storage Dams

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





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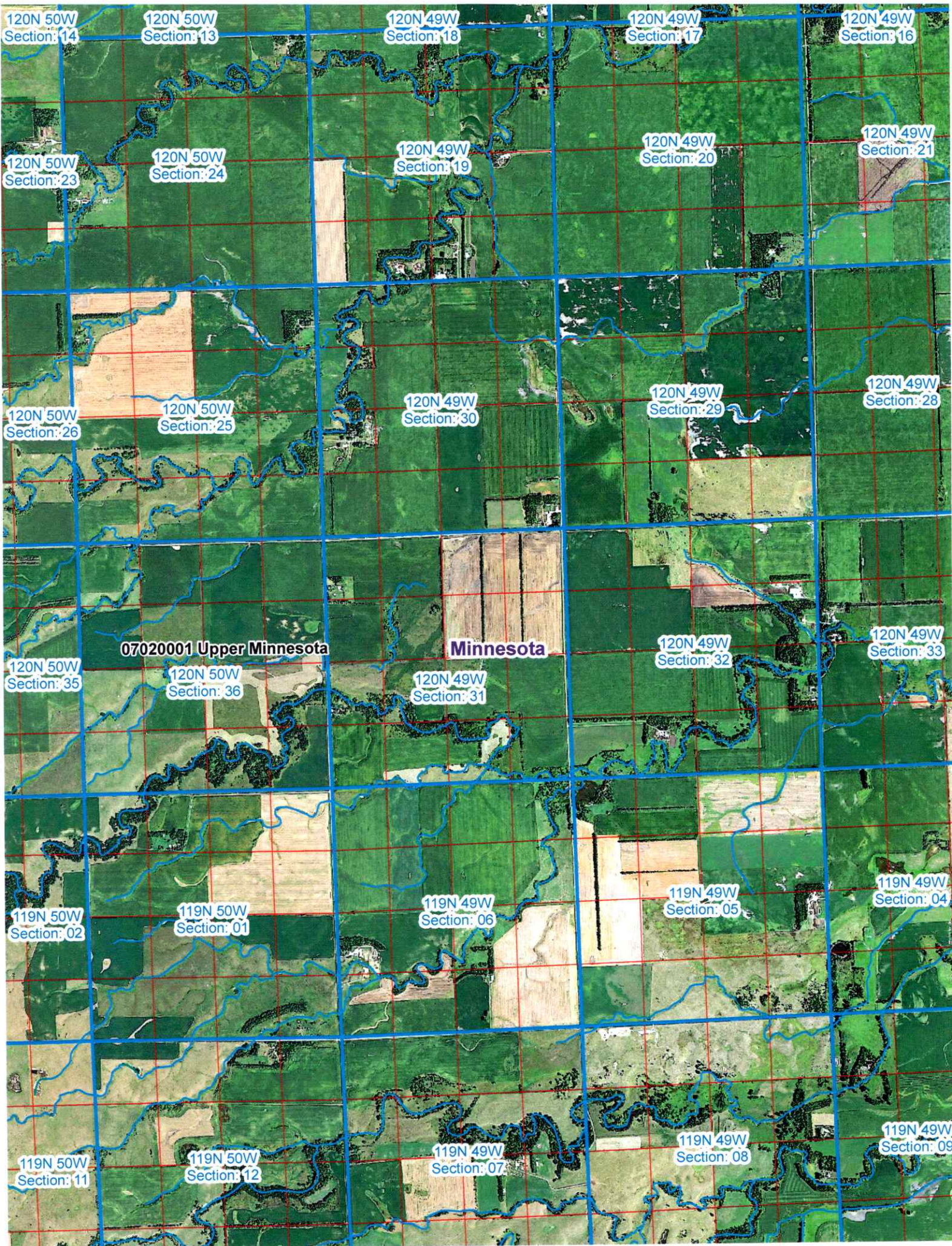
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MIDWEST IRRIGATION & ELECTRIC INC.

01/20/2026

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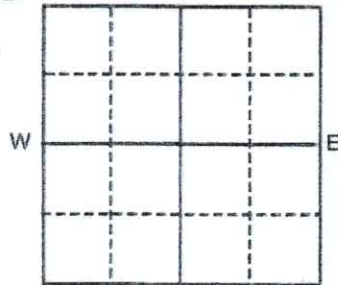
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ SE ¼ Sec 31 Twp 120 Rg 49

County GRANT North

Please mark well location with an "X"



Well Completion Date

6/27/2024



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

PROPOSED USE:

- Domestic/Stock Municipal Business Test holes
 Irrigation Industrial Institutional Monitoring well

METHOD OF DRILLING:

MUD ROTARY

CASING DATA:

Steel Plastic Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>12</u> IN	<u>0</u> FT	<u>59</u> FT	<u>16</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>BENTONITE</u>	<u>16</u>	Lb/gal	<u>0</u> Ft	<u>55</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure _____

SCREEN:

Perforated pipe Manufactured
 Diameter 12 Inches Length 20 Feet
 Material Stainless Steel

Slot Size .040 Set From 59 Feet to 79 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?

Yes, How? Chlorinated

No, Why Not? _____

Lab to which water quality sample sent for analysis _____

Well Owner: CRAIG ARTHUR

Business Name: _____

Address: 16116 456TH AVE

City, State, Zip: WATERTOWN SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>TOP SOIL/ GRAVEL</u>	<u>0</u>	<u>11</u>
<u>BLUE CLAY/ FINE SAND</u>	<u>11</u>	<u>29</u>
<u>BLUE CLAY</u>	<u>29</u>	<u>45</u>
<u>FINE SAND/ BLUE CLAY</u>	<u>45</u>	<u>53</u>
<u>MED/ FINE SAND</u>	<u>53</u>	<u>56</u>
<u>CLAY BLUE</u>	<u>56</u>	<u>56.5</u>
<u>MED / FINE SAND/ GRAVEL GRAY</u>	<u>56.5</u>	<u>79.5</u>
<u>GRAY CLAY</u>	<u>79.5</u>	<u>80</u>

STATIC WATER LEVEL

2' 10" 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:

- Pumped Describe: AIRLIFTED
 Bailed
 Other

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AUG 30 2024

Pumping Level Below Land Surface

42' 7" Ft. After 6 Hrs. pumped

_____ Ft. After _____ Hrs. pumped

OFFICE OF WATER

400 GPM

_____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

GPS N 45 9.0080 W 96 44.7280

12" WELL - IRRIGATION

This well was drilled under license # 475 and this report is true and accurate.

Drilling firm: THEIN WELL COMPANY, INCORPORATED

Signature of License Representative:

Michael Thein

Signature of Well Owner or Equitable Property Holder:

Date: _____

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Design Summary

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Prepared For:
arthur farms
Craig Arthur

System Name:	Span Summary	System Length:	Total Coverage Area
Pivot 10	9 spans, 40.00 ft	1174.00 ft	78.60 acres
Totals:		1174.00 ft	78.60 acres

System Name:	Pivot Center Type:	Latitude	Longitude
Pivot 10		45.153662°	-96.747104°

Well Information	Latitude	Longitude
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Pipe Information	Length	Description
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Wire Information	Length	Description
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MIDWEST IRRIGATION & ELECTRIC INC.

552 Main St PO Box 36; Big Stone City, 57216-2179
Office: 1 (605) 862-8149; Mobile: 1 (605) 595-3440
Michael Pribbenow - mie.bigstone@gmail.com
Miebigstone.com

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