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MAY 25 2016

WATER RIGHTS PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8226-3</u> (office use only)	Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion R</u>	
	Newspaper <u>DeSmet News 605 854-3331 (Wed)</u>	
	<u>Daily Leader, Madison 605 256-4555</u>	

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 Jeffrey Albrecht

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

Mailing Address 21749 435 Avenue DeSmet SD 57231
(Address) (City) (State) (Zip Code)

Phone _____ Mobile 605-203-1105 Email _____

2. Amount of water claimed 1.78 *CFS or 800 **GPM _____ ***AF Total Acreage 102.5
(*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 in the Vermillion East Fork Aquifer

4. Location of point of diversion 1 well in the SW 1/4 of the SE 1/4 of section 35, T110n, R56w with a second
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
well in the SE 1/4 of the SE 1/4 of section 35, T110n, R56w if necessary County Kingsbury

5. County or counties where water will be used Kingsbury

6. Annual period during which water is to be used may-september 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
NE of SE of section 35, T110n, R56w	33.5		
SE of SE of section 35, T110n, R56w	35		
SW of SE of section 35, T110n, R56w	34		

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

Center pivot irrigation of the above listed cropland. Additional water requested due to windshield wipe pivot irrigation machine and soil type.

I, Jeffrey Albrecht 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)

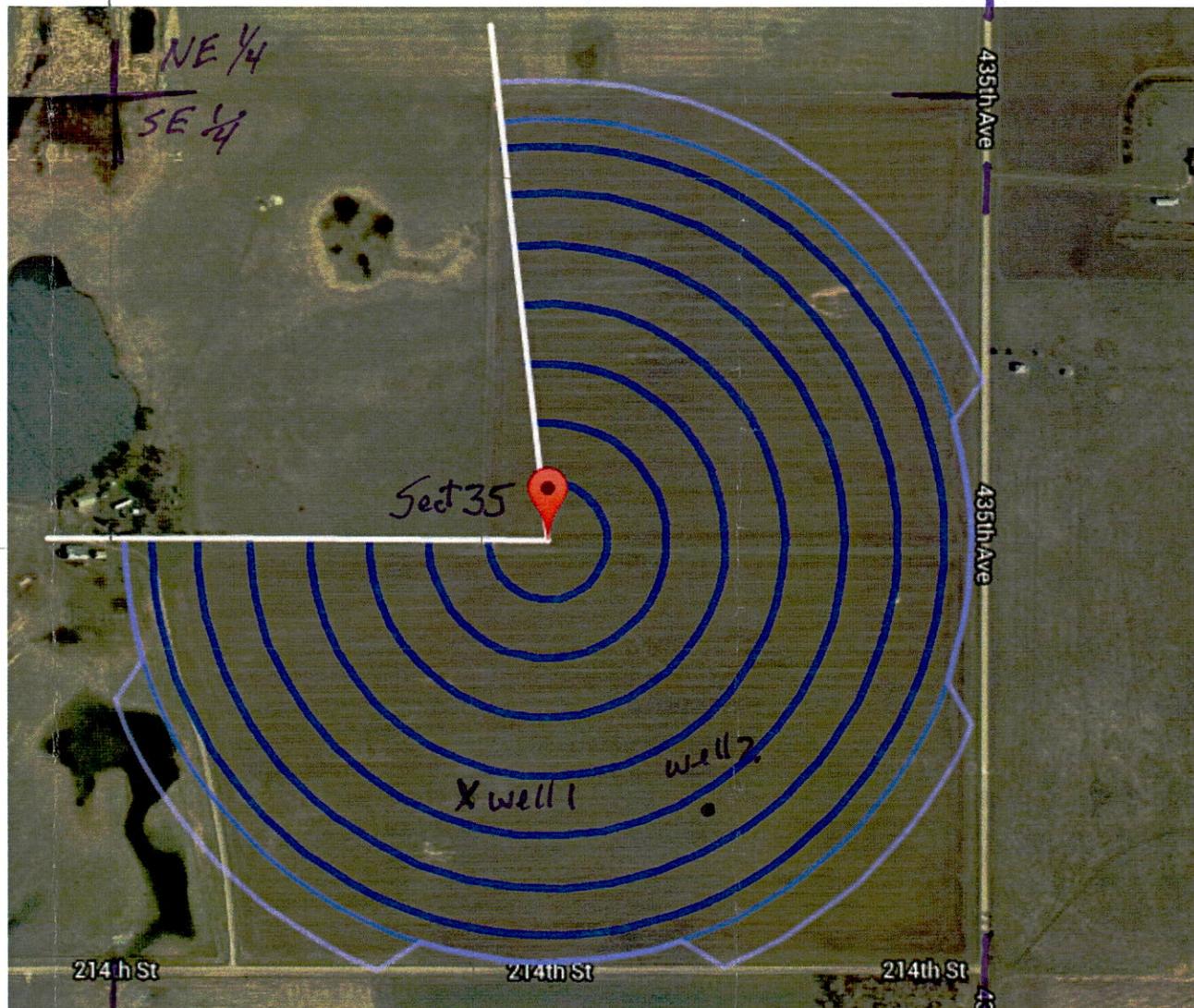


Prepared By: **Heine Electric and Irrigation, Inc.** T110N, R56W
 For: **Albrecht, John- South (Jeffrey)**
 Questions or concerns? Please call us at 402-640-1999!

Sect 35 | Sect 36

Pivot center at 44.285444, -97.5166
 Arc Start Bearing: 353.6
 Arc Stop Bearing: 270.19
 [S] Spray off at 160°, on at 200°.
 [E] Spray off at 70°, on at 110°.
 [W] Spray off at 250°, on at 290°.

- 1 180 ft. Total: 180 ft.
Acreage: 1.79. Total: 1.79 acres.
- 2 180 ft. Total: 360 ft.
Acreage: 5.38. Total: 7.17 acres.
- 3 180 ft. Total: 540 ft.
Acreage: 8.97. Total: 16.14 acres.
- 4 180 ft. Total: 720 ft.
Acreage: 12.55. Total: 28.7 acres.
- 5 180 ft. Total: 900 ft.
Acreage: 16.14. Total: 44.85 acres.
- 6 160 ft. Total: 1060 ft.
Acreage: 17.36. Total: 62.21 acres.
- 7 140 ft. Total: 1200 ft.
Acreage: 17.51. Total: 79.73 acres.
- Overhang 82 ft. Total: 1282 ft.
Acreage: 11.26. Total: 91 acres.
- Spray 120 ft. Total: 1402 ft.
Acreage: 11.47. Total: 102.47 acres.



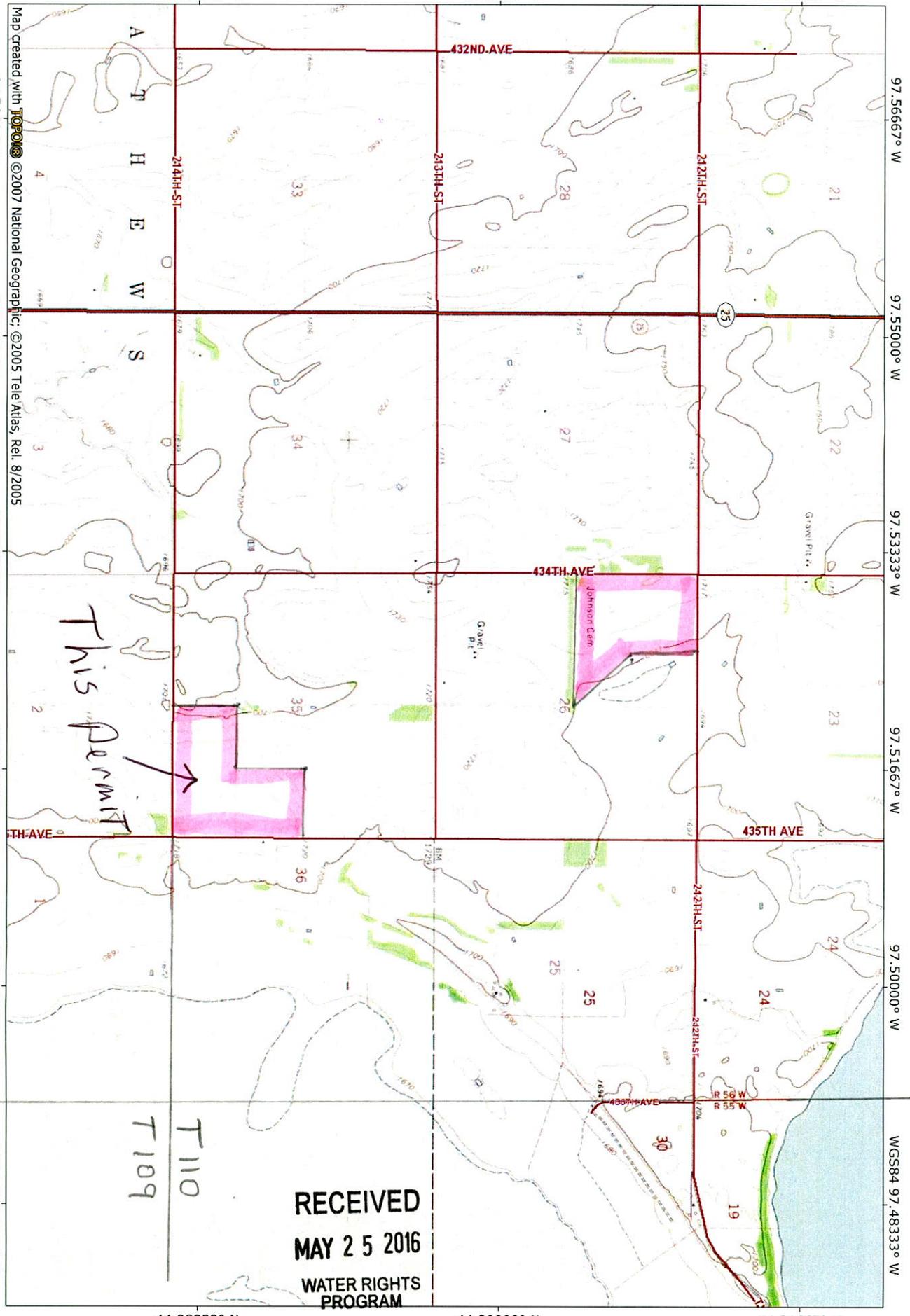
R.A. Hammond
 CP6 0272.

← 2635' →

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Map created with **TOPON** ©2007 National Geographic. ©2005 Tele Atlas, Rel. 8/2005



This Permit

R 56

R 55

T 110
T 109

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TN
3 1/2°

03/30/16

44.28333° N

44.30000° N

44.31667° N

44.28333° N

44.30000° N

44.31667° N

97.56667° W

97.55000° W

97.53333° W

97.51667° W

97.50000° W

WGS84 97.48333° W

97.56667° W

97.55000° W

97.53333° W

97.51667° W

97.50000° W

WGS84 97.48333° W

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location sw 1/4 se 1/4 Sec 35 Twp 110n Rg 56w

Well Owner: Bill Albrecht

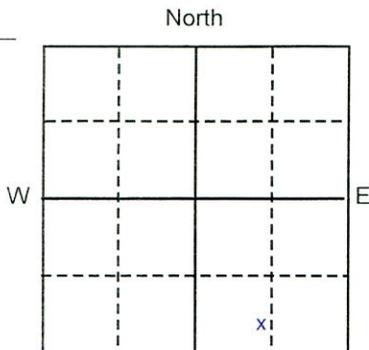
County Kingsbury

Business Name: _____

Address: 43314 215th Street

City, State, Zip: DeSmet SD 57231

Please mark well location with an "X"



Well Completion Date

11/5/15



Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?

3,000.0 ft. from septic tank (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

Steel Plastic Other

If other describe none

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	Ft	Ft
<u>bent grout</u>	<u>5</u>	<u>9.4</u>	<u>0.0</u>	<u>130.0</u>
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN:

Perforated pipe Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ 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? _____

No, Why Not? _____

Lab to which water quality sample sent for analysis

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>topsoil</u>	<u>0</u>	<u>3</u>
<u>clay, yellow</u>	<u>3</u>	<u>12</u>
<u>clay, yellow with gravel</u>	<u>12</u>	<u>24</u>
<u>clay, blue</u>	<u>24</u>	<u>30</u>
<u>clay, gray, glacial till</u>	<u>30</u>	<u>59</u>
<u>gravel, medium to fine</u>	<u>59</u>	<u>99</u>
<u>sand, fine, with clay beds</u>	<u>99</u>	<u>125</u>
<u>clay, blue</u>	<u>125</u>	<u>130</u>

STATIC WATER LEVEL 20' 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: _____

Bailed

Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Test 1-2015

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This well was drilled under license # 810 and this report is true and accurate.

Drilling firm: Heine Electric & irrigation, inc.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____