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OFFICE OF WATER

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

PAID

FEB 26 2026

Ck# 11640

Rec't#

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352

No. 9029-3 Hydrologic Unit 10170101
 Basin Missouri R
 Newspaper Tyndall Tribune & Register
Daily Press & Dakotan (office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application: New Vested Right 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 Craig Vanderlei
 Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.
 Mailing Address 40908 312th St Springfield SD 57062
 (Address) (City) (State) (Zip Code)
 Phone 605-369-2609 Mobile 605-666-2618 Email CraigVanderlei@gmail.com

2. Amount of water claimed 1.45*CFS or 650**GPM ***AF Total Acreage 120
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply _____
 4. Location of point of diversion 1 well in NW 1/4 of SW 1/4 of Sec 15 Twp 93N R16W
 (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)

County Bon Homme

5. County or counties where water will be used Bon Homme

6. Annual period during which water is to be used May to Oct³¹

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>NE 1/4 SW</u>	<u>26</u>		
<u>NW 1/4 SW</u>	<u>34</u>		
<u>SW 1/4 SW</u>	<u>34</u>		
<u>SE 1/4 SW</u>	<u>26</u>		

8. Give a description of the project. (Attach sheet if more space is needed)
Irrigation well to irrigate crops.

I, Craig Vanderlei owner, 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)

42.87193/-97.93060

2021-02-26 Springfield

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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) 120 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)

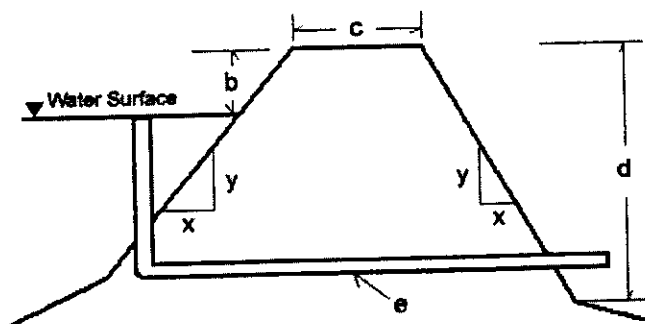
Upstream _____

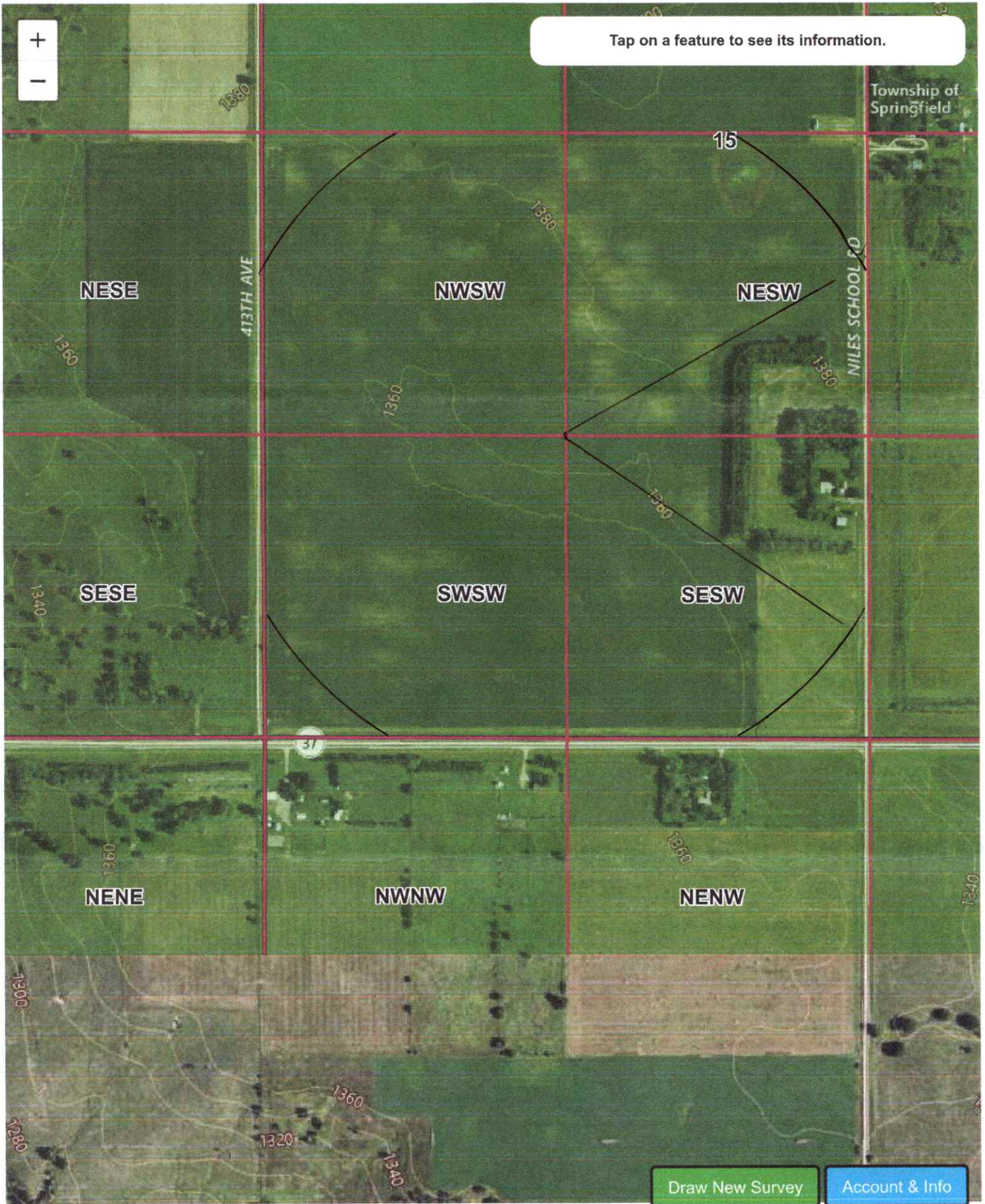
Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

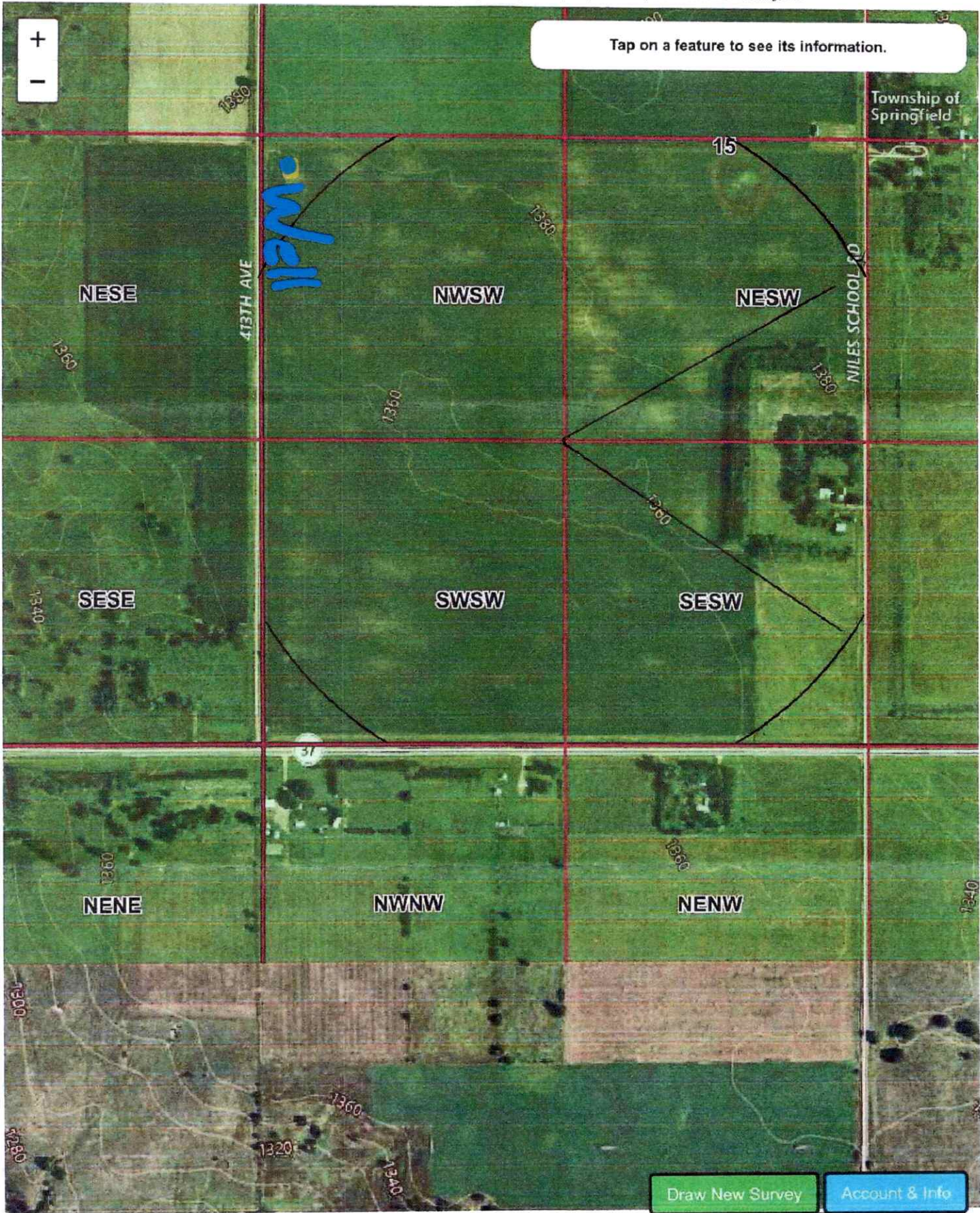
j) Drainage Area Above Dam _____ Acres





Searching For Location...

Tap on a feature to see its information.



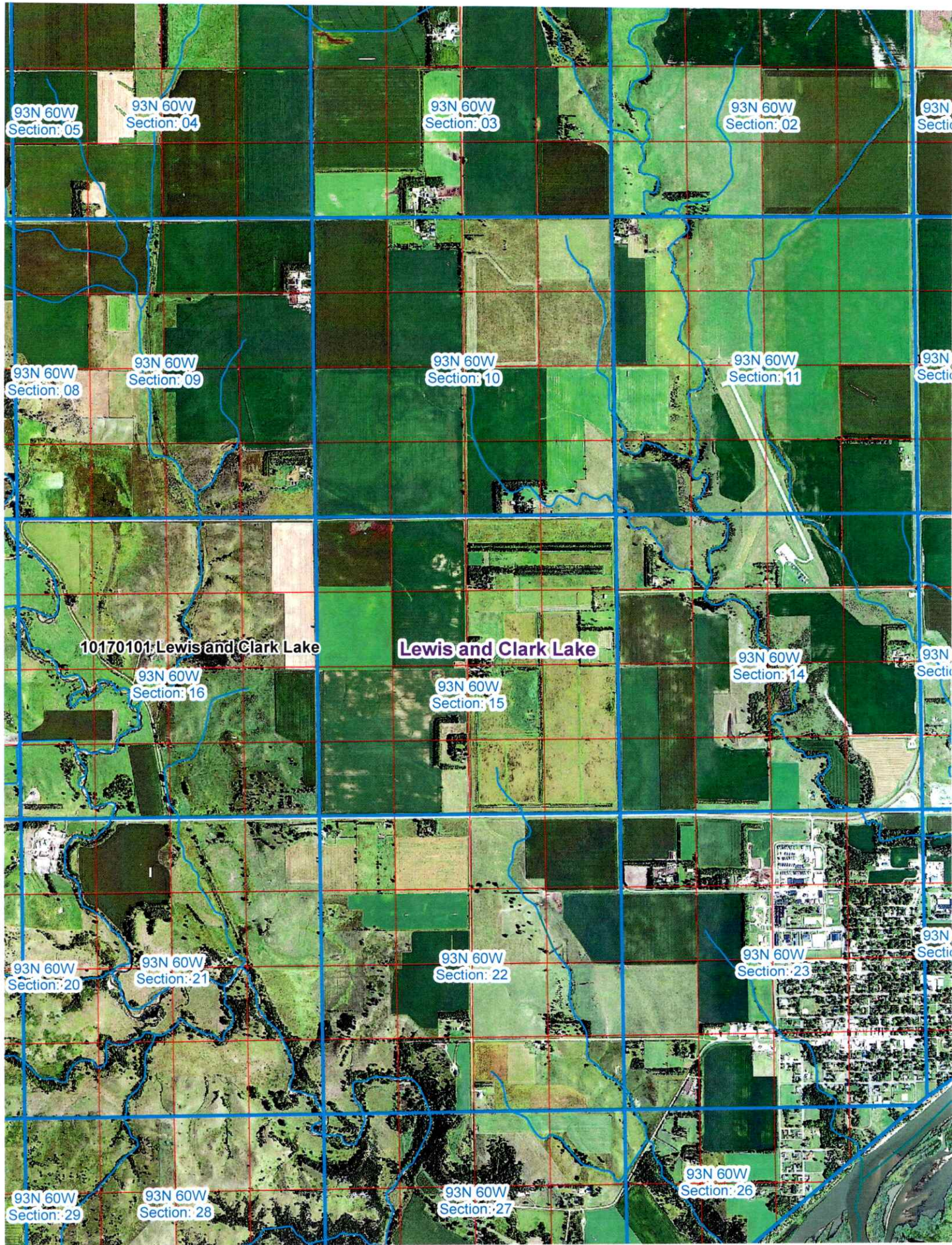
Draw New Survey Account & Info

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Searching For Location...

Water Rights Program



93N 60W
Section: 05

93N 60W
Section: 04

93N 60W
Section: 03

93N 60W
Section: 02

93N
Secti

93N 60W
Section: 08

93N 60W
Section: 09

93N 60W
Section: 10

93N 60W
Section: 11

93N
Secti

10170101: Lewis and Clark Lake

Lewis and Clark Lake

93N 60W
Section: 16

93N 60W
Section: 15

93N 60W
Section: 14

93N
Secti

93N 60W
Section: 20

93N 60W
Section: 21

93N 60W
Section: 22

93N 60W
Section: 23

93N
Secti

93N 60W
Section: 29

93N 60W
Section: 28

93N 60W
Section: 27

93N 60W
Section: 26

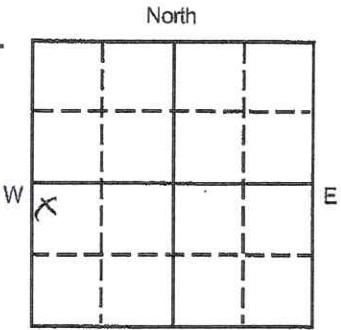
SOUTH DAKOTA WATER WELL COMPLETION REPORT

2024

Location NW 1/4 SW 1/4 Sec 15 Twp 93N Rg 60W

County Ben Hur

GPS Coordinates
 Lat: N 42° 53' 20.59"
 Lon: W 97° 55' 51.54"



Please mark well location with an "X" on section grid

Well Completion Date 10/21/25



Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)
? 3360 ft. from Septic System (Identify source)

PROPOSED USE:
 Domestic/Stock Municipal Business Monitoring Well
 Irrigation Industrial Institutional Test Hole
 Dewatering Well Geothermal Other _____

METHOD OF DRILLING: Reverse Rotary

CASING DATA: Steel Plastic Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>160</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>60</u> FT	<u>28</u> IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>	<u>130</u>	Lb/gal	<u>0</u> Ft	<u>60</u> Ft
		Lb/gal		

Describe grouting procedure
Pumped down / w Pressure Grout

SCREEN: Perforated pipe Manufactured

Diameter 12 Inches Length 60 Feet

Material _____

Slot Size .050 Set From 60 Feet to 120 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? Chlorine
 No, Why Not? _____

Lab sample sent to for water quality analysis _____

Well Owner: Craig Vanderlie Vanderlie
 Business Name: _____
 Address: 40908 312th Street
 City, State, Zip: Springfield SD 57062

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>4</u>
<u>Brown Clay</u>	<u>4</u>	<u>27</u>
<u>Dirty Gravel</u>	<u>27</u>	<u>31</u>
<u>Brown Clay</u>	<u>31</u>	<u>41</u>
<u>Blue Clay</u>	<u>41</u>	<u>48</u>
<u>Gray Shale</u>	<u>48</u>	<u>120</u>

STATIC WATER LEVEL 84' 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: Pumped w / Turbine Pump & Engine

Bailed Air
 Other _____

Pumping Level Below Land Surface
86 Ft. After 3 Hrs. pumped 850 GPM
 _____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

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This well was drilled under license # 444

And this report is true and accurate.

Drilling firm: Christensen Well + Irrigation

Signature of License Representative: Caryl J Christensen

Signature of Well-Owner or Equitable Property Holder: _____

Date: 1/22/26

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Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501

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