

WATER PERMIT NO. 8666-3

Name of Applicant: SFP LLC

Address: PO Box 346, Ipswich SD 57451

Phone: 605 3808-8894

Amount of Water Claimed: 0.156 cfs

Total Acres: NA

Source of Water Supply: groundwater (2 wells)

Water to be used for: commercial

County: Edmunds

Type of Waste Disposal System:

Location: 15 miles southwest of Ipswich

PRIORITY Date Received: 9-27-22

Application/License Fee: \$700

Corrected Application Received:

Period of Annual Use: Jan 1 – Dec 31

Remarks: Swine facility

Diversion Point: SE 1/4 SE 1/4 Sec 14-T121N-
R70W

Facility Located: E 1/2 SE 1/4 Sec 14-T121N-
R70W

Depth of Well: 1300 feet deep

Well Driller:

Remarks:

Type of Map: plat

Prepared by:

Reviewed and the Number Assigned on: 9-27-22

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

			14		
				⊗	

**SOUTH DAKOTA
WATER PERMIT NO. 8666-3**

Date of first receipt of application September 27, 2022.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8666-3 to SFP, LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 8666-3 appropriates up to 92 acre-feet of water annually at a maximum pump rate of 0.156 cubic feet of water per second from two wells to be completed into the Dakota Aquifer (approximately 1,390 feet deep) located in the SE 1/4 SE 1/4 Section 14 for commercial use in a swine facility located in the E 1/2 SE 1/4 Section 14; all in T121N-R70W. This site is located approximately 15 miles southwest of Ipswich SD.
2. The water appropriated shall be used for the purpose of commercial use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 8666-3 is December 19, 2022.
5. The date from which applicant may claim right is September 27, 2022.
6. One-fifth of the construction is to be completed on or before June 19, 2025.
7. All construction is to be completed on or before December 19, 2027.
8. Water is to be put to beneficial use on or before December 19, 2031.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under Water Permit No. 8666-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under these Permits shall control withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 8666-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Permit No. 8666-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-36.2 or 34A-2-112 or 34A-2-124 for concentrated animal feeding operations.

(continued)

4. Water Permit No. 8666-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions
5. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Dakota aquifer.
6. Water Permit No. 8666-3 authorizes a total annual diversion of 92 acre-feet of water from the Dakota aquifer.
7. The one well yet to be completed shall meet the adequate well construction standard as defined in Administrative Rule of South Dakota (ARSD) 74:02:04:20. Future replacement wells may not be constructed using the alternative construction requirements that are allowed for domestic use wells outlined in ARSD 74:02:04:35.

WATER MANAGEMENT BOARD

By: Eric Gronlund
Eric Gronlund, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 19 2023

date



Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8666-3</u> (office use only) Hydrologic Unit <u>10160007</u>
	Basin <u>James River</u>
	Newspaper <u>Ipswich Tribune</u>
	<u>American News</u>

RECEIVED
SEP 27 2022
OFFICE OF
WATER

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Water Distribution System	☐ Recreational	☐ Institutional
☐ Rural Water System	☒ Commercial	☐ Fish & Wildlife	☐ Geothermal
☐ Domestic (over 18 gpm)	☐ Industrial	☐ Other _____	

Type of Application: (check one)

☒ New	☐ Vested Right (Use predates Mar 2, 1955)	☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____		
☐ Amendment/Correction to Permit No. _____		

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

- Name to Appear on Water Permit SFP, LLC
Mailing Address PO Box 346 Ipswich SD 57451-0346
(Address) (City) (State) (Zip Code)
Phone (605) 380-8894 Mobile _____ Email jasonsylte@hotmail.com
- Amount of water claimed 0.156 *CFS or 70 **GPM and 92 ***AF or _____ Gallons
Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use)
- Source of water supply Dakota (2 wells)
- Location of point of diversion SE 1/4 of SE 1/4 - Section 14, T121N, R70W County Edmunds
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☒ Yes ☐ No
If "Yes," where will water be used? SE 1/4, Section 14, T121N, R70W
E 1/2 (example - NW1/4 section 12-T104N-R53W)
- County or counties where water will be used Edmunds
- Annual period during which water is to be used January 1st thru December 31st
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Proposed swine production facility.

I, Jason Sylte _____ Member _____, 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.

Supplemental Information

(type or print)

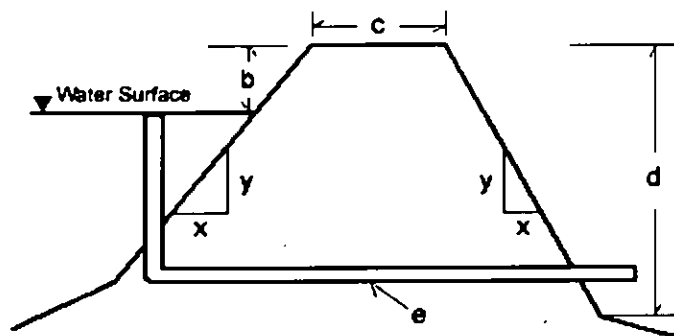
1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)a) If new wells, how many 2 Have test holes been drilled ☒ Yes ☐ No Drilled by Stretch's Well Service, Inc. (#722)
(if yes, please provide copies of logs)b) If existing wells, how many Provide copy of log(s), if available. Drilled by

For either Existing or Proposed Wells:

c) Well Depth (required) 1,390 Depth to Top of Water Bearing Material 1,105 Depth to Water from Surface 80'd) Distance to nearest domestic well on applicant's property N/A Property owned by others unknown**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**

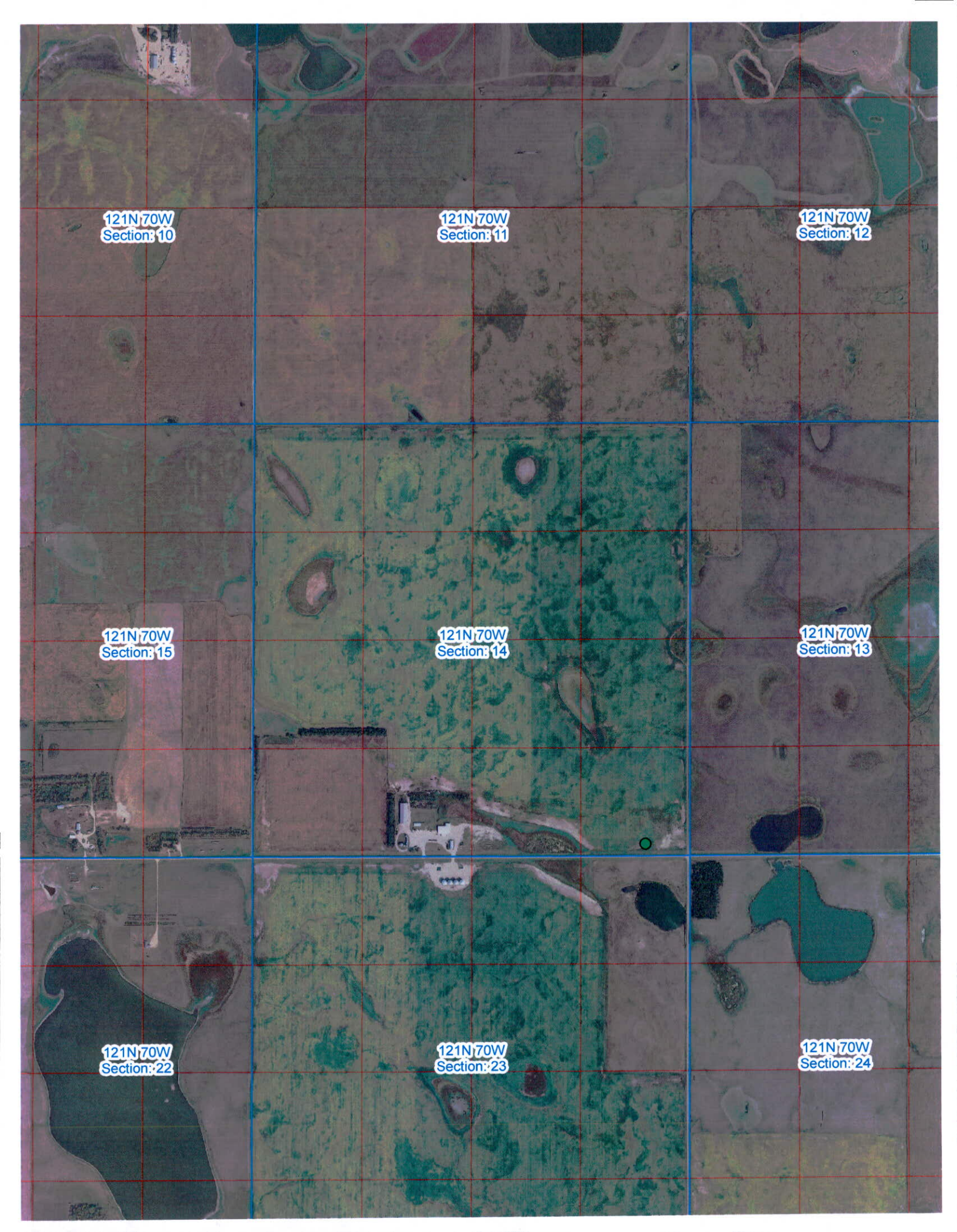
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

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) Surface Area of Impoundment i) Storage Acre Feetj) Drainage Area Above Dam Acres



121N 70W
Section: 10

121N 70W
Section: 11

121N 70W
Section: 12

121N 70W
Section: 15

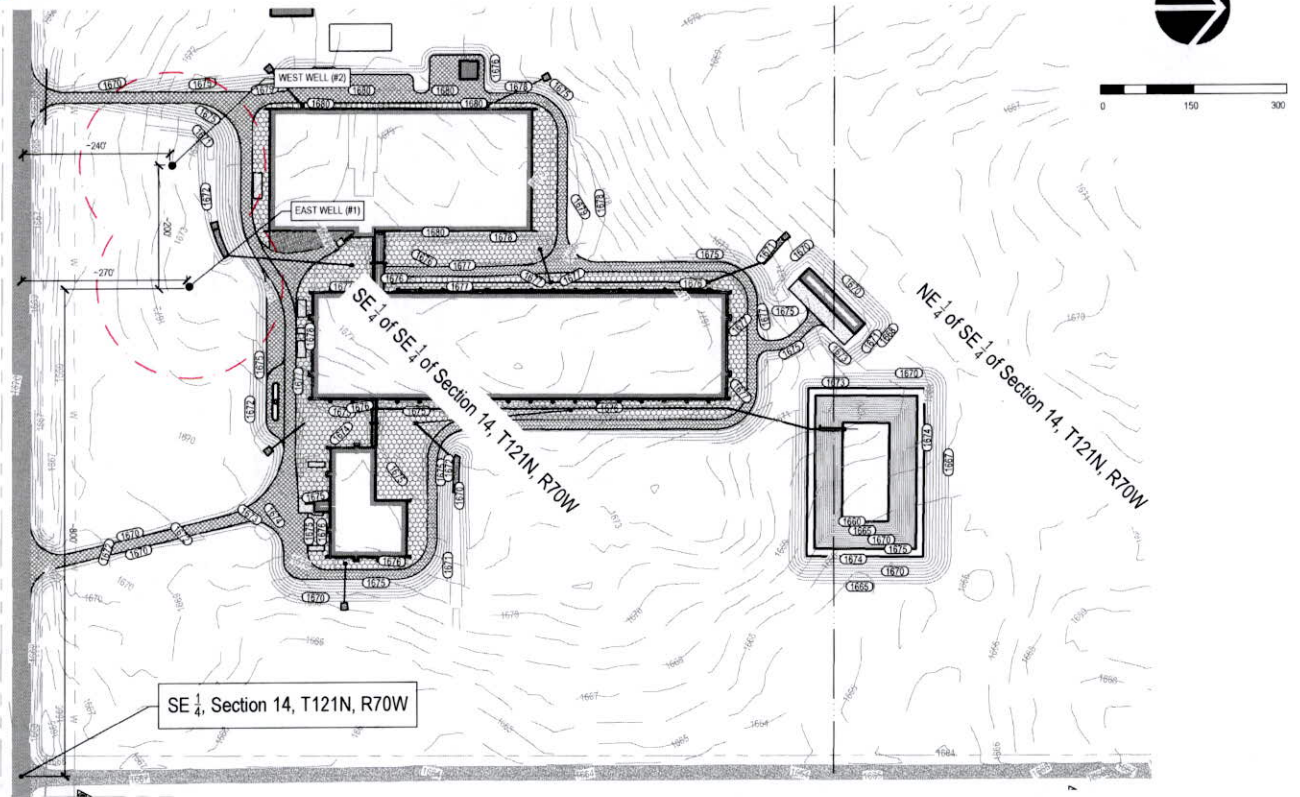
121N 70W
Section: 14

121N 70W
Section: 13

121N 70W
Section: 22

121N 70W
Section: 23

121N 70W
Section: 24



SOUTH DAKOTA WATER WELL COMPLETION REPORT

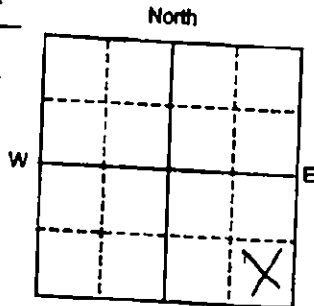
SD EForm - 1621LD V1

11-02

Location SE 1/4 SE 1/4 Sec 14 Twp 121N Rg 70W

County Edmunds

Please mark well location with an "X"



Well Completion Date

9-14-22

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
300 ft. from Barn (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

If other describe Stainless Steel ☒ Steel ☐ Plastic ☒ Other

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>5ch40</u> LB/FT	<u>2</u> IN	<u>1270</u> FT	<u>1390</u> FT	<u>4 1/2</u> IN
<u>5ch40</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>1270</u> FT	<u>7 7/8</u> IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland</u>	<u>200</u>	<u>15</u> Lb/gal	<u>0</u> FT	<u>1270</u> FT

Describe grouting procedure

Pumped Through 5" Pipe

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 2 Inches Length 120 Feet
Material Stainless Steel
Slot Size 1025 Set From 1270 Feet to 1390 Feet
Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Cement
Describe packer(s) and location 1270'

DISINFECTION:

Was well disinfected upon completion?
☒ Yes, How? Chlorine
☐ No, Why Not?
Lab to which water quality sample sent for analysis

Well Owner:

Business Name SFP, LLC
Address: PO BOX 346
City, State, Zip: Ipswich, SD 57451-0346

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>5</u>
<u>Yellow Clay</u>	<u>5</u>	<u>25</u>
<u>Blue Clay</u>	<u>25</u>	<u>200</u>
<u>Sand Strata</u>	<u>200</u>	<u>460</u>
<u>Shale</u>	<u>460</u>	<u>1105</u>
<u>Dakota</u>	<u>1105</u>	<u>1390</u>

STATIC WATER LEVEL

80 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: Air
☐ Bailed
☐ Other
Pumping Level Below Land Surface
80 Ft. After 12 Hrs. pumped 15 GPM
Ft. After _____ Hrs. pumped _____ GPM
If pump installed, pump rate: _____ GPM

REMARKS

Pumped 50 @ 300' Through 2"

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc.
Signature of license Representative: Tom Glatfelter

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

Date: 9/28/22



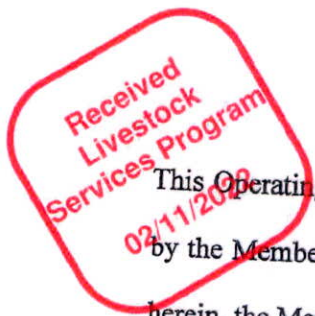
**LIMITED LIABILITY COMPANY
OPERATING AGREEMENT**

of

SFP, LLC

a

South Dakota Limited Liability Company



OPERATING AGREEMENT

This Operating Agreement ("Agreement") is made and entered into on October 7, 2021, by the Members ("Members"). In consideration of the covenants and the promises made herein, the Members hereby agree as follows:

DEFINITIONS

1. "Agent" means any person who is or was a Member, Officer, employee, or other agent of this LLC.
2. "Code" means the Internal Revenue Code of 1986, as amended.
3. "Capital Account" means the amount of a Member's Capital Contribution, as adjusted, including but not limited to increases due to profits or additional contributions and decreases due to losses and distributions.
4. "Capital Contribution" means any contribution of value, including but not limited to cash, property, assets, etc., by a Member to the capital of the LLC.
5. "Expenses" means any and all costs, fees, and expenses including but not limited to court costs and attorneys' fees.
6. "Financial Interest" means a Member's right to share in the profits, losses, incomes, expenses, or other monetary items and to receive distributions and allocations from the LLC.
7. "Including" means including, but not limited to,
8. "LLC Interest" or "Interest" means an ownership interest in the LLC, which includes the Financial Interest, the right to vote, the right to participate in management and the right to obtain information concerning the LLC and any other rights granted to a Member under the Articles of Organization or this Agreement.

Received
Livestock
Services Program
02/1/2022

9. "Member" or "Members" means any person(s) or entity(s) who owns any interest in this LLC. The singular includes the plural (and vice versa).
10. "Membership Unit" or "Membership Units" means the representation of LLC ownership. The Company may, but is not obligated to, issue Membership Unit certificates to each Member. The Company will record and track Unit ownership on a register kept for that purpose.
11. "Proceeding" means any threatened, pending or completed action or proceeding, whether civil, criminal, administrative, or investigative.
12. "Property" means any and all assets, in whole or in part, of the LLC, both tangible and intangible.
13. "Statute" means the South Dakota Limited Liability Company Act, as amended.
14. "Unit" or "Units" the same as Membership Unit or Membership Units.

FORMATION

1. **Formation.** The Members formed SFP, LLC by filing the Articles of Organization ("Articles") with the Secretary of State.
2. **Location.** The LLC's principle office is located at 907 5th Avenue NW, PO Box 346, Ipswich, South Dakota 57451. The Members may change the principle office location or establish branch or subordinate offices at any time.
3. **Term.** The LLC will exist until terminated or dissolved as specified in the Articles or this Agreement.
4. **Registered Agent and Office.** Rodrick L. Tobin will be the LLC's registered agent. The LLC's registered office will be the registered agent's office at 415 S. Main

Received
Livestock
Services Program
02/11/2022

Street, Suite 400, Aberdeen, South Dakota. The Members may change the registered agent and office at any time.

MEMBERSHIP

1. **Members.** The following are the Members and the number of Membership Units each of them will own upon signing this Agreement:

Member Name	Units
Chris Sylte Real Estate Limited Partnership	50
Jason Sylte Real Estate Limited Partnership	50

MANAGEMENT

1. **Officers.** The Company initially will have a Manager as the sole officer. The Members, by the affirmative vote of a majority, may name other officers. If the title assigned to a person is one commonly used for officers of a business corporation, the assignment of such title must constitute the delegation of the authority and duties normally associated with that office. Any number of official titles may be held by the same person. Any delegation pursuant to this section may be revoked at any time by the affirmative vote of Members owning a Majority Interest.

GENERAL PROVISIONS

1. **Notices.** All notices, requests, demands, and other communications made hereunder will be in writing and will be deemed duly given if delivered or sent by, e-mail, facsimile, or registered or certified mail, postage prepaid, as follows, or to such other address or person as the party may designate by notice to the other party hereunder:

Chris Sylte
Jason Sylte
PO Box 346
Ipswich, SD 57451



Governing Law. This agreement will be governed by, and interpreted in accordance with South Dakota law.

SIGNATURES ON FOLLOWING PAGE

Received
Livestock
Services Program
02/11/2022

CERTIFICATION

We, all members, hereby certify that the foregoing constitute the Operating Agreement of SFP, LLC a South Dakota limited liability company October 7, 2021.

SFP, LLC

By: Chris Sylte Real Estate Limited Partnership
Its: Member

By: Chris Sylte Management, LLC
Its: General Partner

By: 
Its: Member

By: Jason Sylte Real Estate Limited Partnership
Its: Member

By: Jason Sylte Management, LLC
Its: General Partner

By: 
Its: Member

RECEIPT

WATER RIGHTS PROGRAM South Dakota Department of Agriculture and Natural Resources

Date September 27, 2022

RECEIVED OF Brad Woerner, Stockwell Engineers for SFP Inc., PO Box 346 Ipswich SD 57451

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>8666-3</u> to Appropriate Water, to construct and to put water to beneficial use	\$ <u>500.00</u>
Fee for Application for Permit No. _____ to Appropriate Water for Future use	\$ _____
Fee to retain Future Use Permit No. _____ after period of seven years.	\$ _____
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>8666-3</u>	\$ <u>200.00</u>
Fee for Filing Transfer Form _____	\$ _____
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law)	
TOTAL	\$ <u>700.00</u>

By Eric Bronlund
Chief Engineer

me

Schlaak, Karen

From: Briggs, Holly
Sent: Tuesday, September 27, 2022 8:42 AM
To: Schlaak, Karen
Cc: bwoerner@stockwellengineering.com
Subject: FW: [EXT] Merchant Email Receipt

Holly Briggs
Accounting Assistant
Department of Agriculture and Natural Resources
523 E. Capitol Ave. Pierre, SD 57501
Phone 605-773-6110
Web <https://danr.sd.gov/>
Email Holly.Briggs@state.sd.us

-----Original Message-----

From: Auto-Receipt <noreply@mail.authorize.net>
Sent: Tuesday, September 27, 2022 8:41 AM
To: Van Bockel, Jenny <Jenny.VanBockel@state.sd.us>; Fratzke, Lynda <Lynda.Fratzke@state.sd.us>; Keiser, Darcy <Darcy.Keiser@state.sd.us>; Weber, Amber <Amber.Weber@state.sd.us>; Briggs, Holly <Holly.Briggs@state.sd.us>
Subject: [EXT] Merchant Email Receipt

===== SECURITY STATEMENT =====

It is not recommended that you ship product(s) or otherwise grant services relying solely upon this e-mail receipt.

===== GENERAL INFORMATION =====

Merchant : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (1869311) Date/Time : 27-Sep-2022 8:41:01 CDT

===== ORDER INFORMATION =====

Invoice :

Description : Water Rights Application - SFP LLC - Mcpherson County Amount : 717.50 (USD) Payment Method: Visa xxxx9086 Transaction Type: Authorization and Capture

===== Line Items =====

===== RESULTS =====

Response : This transaction has been approved.
Auth Code : 858607
Transaction ID : 63955716044
Address Verification : Street Address: No Match -- First 5 Digits of Zip: Match

==== CUSTOMER BILLING INFORMATION ===

Customer ID :

First Name : Brad

Last Name : Woerner

Company : Stockwell Engineers

Address :

City :

State/Province :

Zip/Postal Code : 57104

Country :

Phone :

Fax :

E-Mail : bwoerner@stockwellengineers.com

==== CUSTOMER SHIPPING INFORMATION ===

First Name :

Last Name :

Company :

Address :

City :

State/Province :

Zip/Postal Code :

Country :

===== ADDITIONAL INFORMATION =====

Tax :

Duty :

Freight :

Tax Exempt :

PO Number :

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, September 27, 2022 8:11 AM
To: Brad Woerner
Subject: RE: [EXT] SFP, LLC (water rights application) - McPherson County, SD

Good Morning Brad,

The application/license fee is \$700.00. You can contact Lynda Fratzke 773-4216 (with our fiscal office) about making payment by credit card. Please tell her the fee is for a water permit application.

Is it correct that the upon completion, the facility will be located within the SE ¼ Sec 14-T121N-R70W?

Karen

From: Brad Woerner <bwoerner@stockwellengineers.com>
Sent: Monday, September 26, 2022 4:22 PM
To: Schlaak, Karen <Karen.Schlaak@state.sd.us>
Subject: [EXT] SFP, LLC (water rights application) - McPherson County, SD

Karen,
Here is a water rights application for a new swine facility in McPherson County.

One well has been completed and a 2nd is underway.

Please let me know if you have any questions.

Can I pay for this application with our credit card that is on file? (Similar to how we would pay for a stormwater permit).

Please let me know and I can call in or adjust accordingly.

Thank you.

Brad Woerner, PE
Agricultural Engineer

Stockwell Engineers, Inc.
Cell / 605.660.1362
Office / 605.665.8092
Fax / 605.665.0523
bwoerner@stockwellengineers.com
201 Walnut Street / Yankton, SD 57078



This e-mail may contain confidential and/or privileged information. If you are not the intended recipient (or have received this e-mail in error) please notify the sender immediately and destroy this e-mail. Any unauthorized copying, disclosure or distribution of the material in this e-mail is strictly forbidden.



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8666-3, SFP LLC**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 8666-3, SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346.

The Chief Engineer is recommending APPROVAL of Application No. 8666-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 3) the proposed use is a beneficial use and 4) it is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board with the following qualifications:

1. The wells approved under Water Permit No. 8666-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under these Permits shall control withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 8666-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Permit No. 8666-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-36.2 or 34A-2-112 or 34A-2-124 for concentrated animal feeding operations.
4. Water Permit No. 8666-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions

(continued)

5. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Dakota aquifer.
6. Water Permit No. 8666-3 authorizes a total annual diversion of 92 acre-feet of water from the Dakota aquifer.
7. The one well yet to be completed shall meet the adequate well construction standard as defined in Administrative Rule of South Dakota (ARSD) 74:02:04:20. Future replacement wells may not be constructed using the alternative construction requirements that are allowed for domestic use wells outlined in ARSD 74:02:04:35.

See report on application for additional information.



for Eric Gronlund, Chief Engineer
November 30, 2022

Report to the Chief Engineer
Water Permit Application No. 8666-3
SFP LLC

Water Permit Application No. 8666-3 for SFP LLC, c/o Jason Sytle proposes to appropriate up to 92 acre-feet of water annually at a maximum instantaneous diversion rate of 0.156 cubic feet per second (cfs) from two wells (approximately 1,390 feet deep, one existing and one proposed) to be completed into the Dakota aquifer. The wells are to be located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14 for commercial use in a swine facility located in the E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 14; all in the T121N-R70W. The site is located in Edmunds County approximately 15 miles southwest of Ipswich, SD.

Aquifer: Dakota aquifer

Hydrogeology

The Dakota Formation is a large regional formation that underlies portions of several states including South Dakota, North Dakota, Colorado, Nebraska, Kansas, Montana, Wyoming, Minnesota, and Iowa. The Dakota Formation is a Cretaceous age formation that underlies approximately 66,500 square miles of the 77,047 square miles that make up of the state of South Dakota (Schoon, 1971). The Dakota Formation consists of yellowish, reddish, and sometimes whitish sandstone with local occurrences of shales and lignite beds, with lithology that can vary both vertically and laterally (Schoon, 1971). Over much of the eastern part of the state the Dakota Formation can be subdivided into three units: an upper layer of fine- to medium grained, light to reddish brown, quartz sandstone interbedded with minor gray to dark gray shale layers; a middle unit of a silty gray clay interbedded with minor sandstone layers; and a lower unit of medium to coarse grained quartz sandstone (Schoon, 1971).

The Dakota aquifer exists within the porous, permeable portions of the Dakota Formation and is a bedrock aquifer typically under artesian conditions. Schoon (1971) estimated the volume of water stored in the South Dakota portion of the Dakota aquifer at 1.1 billion acre-feet. Hedges et al. (1982) estimated that in the Eastern portion of the state the Dakota aquifer contains 381,104,000 acre-feet of recoverable water.

One of the two wells for this application has been completed and the well completion report was included with this application. The well completion report indicated that the top of the Dakota Formation was encountered at approximately 1,105 feet below grade and the screened portion of the Dakota was from 1,270 to 1,390 feet below grade. At the time of well completion (September 2022) the static water level was 80 feet below grade, indicating the Dakota is under confined conditions at the well sites for this application with approximately 1,025 feet of artesian head pressure. This is consistent with other information available on the Dakota aquifer in the area (Water Rights, 2022a and Water Rights, 2022c).

South Dakota Codified Law (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, "A permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for the applicant's proposed use, that the diversion point can be developed without unlawful impairment of existing domestic water uses and water rights, and that the proposed use is a beneficial use and in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board as defined by SDCL 46-2-9 and 46-2-11." This report will address the availability of unappropriated water and the potential for unlawful impairment of existing domestic water uses and water rights within this portion of the Dakota aquifer.

Water Availability

Water Permit Application No. 8666-3 proposes to appropriate water from the Dakota aquifer for commercial use. The probability of unappropriated water being available from an aquifer can be evaluated by considering SDCL 46-6-3.1 which requires, "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source." If the source of the water is older or lower than the Greenhorn Formation and the application is for a water distribution system defined in SDCL 46-1-6 (17), the Board need not consider the recharge/withdrawal issue. The Dakota Formation is older and stratigraphically lower than the Greenhorn Formation. However, this application is not for a water distribution system as defined in SDCL 46-1-6 (17); therefore, the withdrawal/recharge issue must be considered.

Dakota Declining Artesian Head Pressure

The decline of artesian head pressure in the Dakota aquifer over large portions of South Dakota has been a standing point of concern since the early 1900's. Some investigators of the Dakota have concluded that this decrease in artesian head pressure is an indication of withdrawals exceeding recharge in the Dakota. The issue of declining artesian head pressure in the Dakota aquifer has been considered by the Water Management Board several times. The Water Management Board has found that declines in artesian head pressure do not automatically indicate that withdrawals have exceeded recharge in the Dakota aquifer (Water Rights, 2010). The Board has concluded that whether withdrawals have exceeded recharge cannot be determined based solely on a decline in artesian head pressure, and in theory head pressure in the Dakota aquifer is stabilizing in relation to discharges and withdrawals (Water Rights, 1987). In the Finding of Facts and Conclusions of Law of Application No. 5136-3, the Water Management Board concluded that: "The primary reason for declines in the Dakota Formation head pressure is due to water being discharged without beneficial use through uncontrolled flowing wells" (Water Rights, 1987). The Board further concluded that:

"When defining withdrawal for the purpose of interpreting the meaning of withdrawal pursuant to SDCL 46-6-3.1, there is a difference between withdrawal of water for beneficial use and water discharged without beneficial use through uncontrolled flowing wells. Water discharged from uncontrolled flowing wells does not constitute withdrawal (appropriation) pursuant to SDCL 46-6-3.1."

The position of the Water Management Board has ultimately been to optimize development of the Dakota aquifer for beneficial use.

Observation Well Data

In determining the availability of unappropriated water for a permit application, Administrative Rule 74:02:05:07 requires the Water Management Board to rely on the record of observation well measurements, in addition to other data, to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated annual recharge.

The DNR Water Rights monitors 46 observation wells completed into the Dakota aquifer of which three have had monitoring temporarily suspended due to access or significant repair needs (Water Rights, 2022a). The nearest of these observation wells is ED-85A located approximately 26.5 miles to the northeast. The hydrograph for ED-85A is shown in Figure 1.

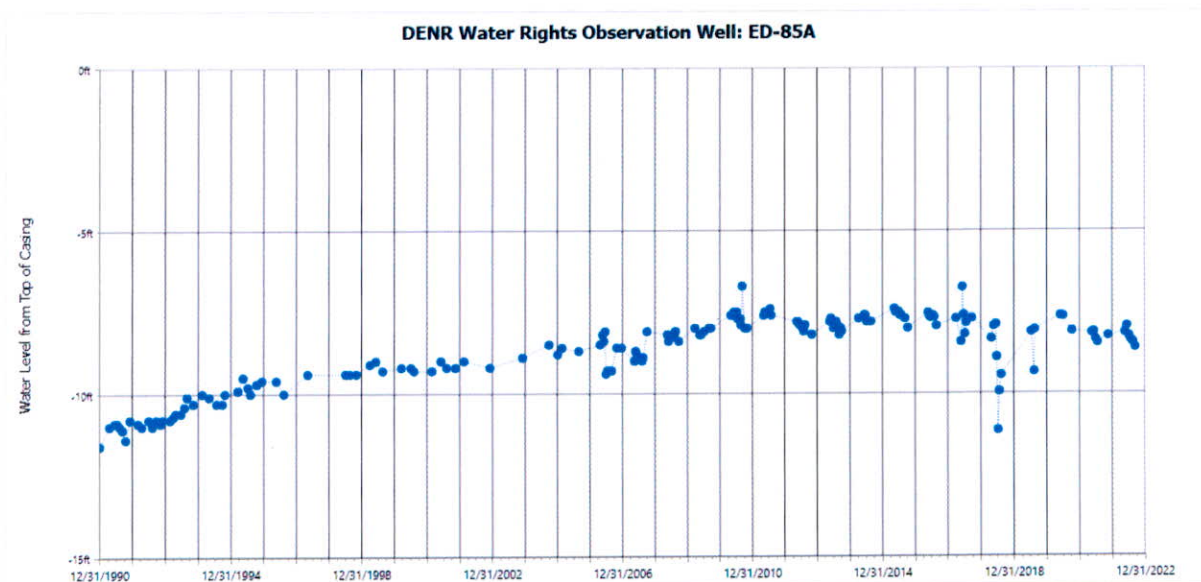


Figure 1: Hydrograph of ED-85A (Water Rights, 2022a)

The hydrograph for observation well ED-85A indicates that over the period of record (1991 to 2022) artesian head pressure was stable to increasing. Although, the Water Managements Board found that declines in artesian head pressure do not automatically indicate that withdrawals have exceeded recharge in the Dakota aquifer (Water Rights, 2010), the lack of a declining water level trend in the record for observation well ED-85A would indicate that in this area of the Dakota aquifer, on average, recharge to the aquifer is exceeding discharge over the period of record for the observation well. Therefore, in this area of the Dakota aquifer there is a reasonable probability that water is available for appropriation.

An example of the previously discussed declining artesian head pressure in the Dakota aquifer in a Water Rights observation well record is shown in Figure 2. Figure 2 is the hydrograph for observation well HD-87A located approximately 71 miles to the south of the wells for this application. This difference in observation wells behavior between Figure 1 and Figure 2

demonstrates that the Dakota aquifer over its entire extent in South Dakota is still equilibrating to recharge to and discharge from the aquifer. Also, that different locations within the aquifer are in different parts of the equilibration process and localized variations in the aquifer are present throughout the state.

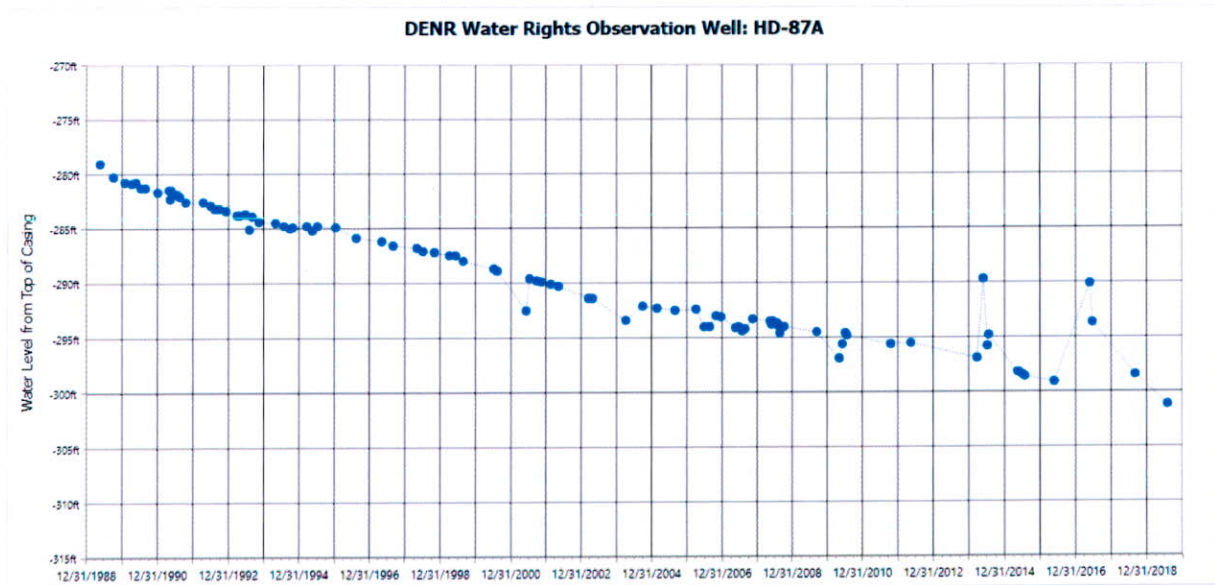


Figure 2: Hydrograph of HD-87A (Water Rights, 2022a) (Lack of reading over the last couple of years is due to access issues)

Potentiometric data for the Dakota aquifer from different time periods was utilized to estimate the potentiometric surface of the Dakota aquifer in the vicinity of the well location for this application to examine changes in the Dakota aquifer over a longer period of time. The approximate elevations of the potentiometric surface in the vicinity of the well site that this application proposes to use are shown in Table 1. Estimates were based on the statewide potentiometric surface maps of Schoon (1971), and the well completion report for the existing well for this application.

Table 1: Approximate Historic and Current Potentiometric Surface Elevations Near the Diversion Points for this Application

Date	Approximate Potentiometric Surface (feet mean sea level)	Source
1909	1700	Schoon, 1971
1914-1915	1500	Schoon, 1971
1936-1953	1450	Schoon, 1971
2022	1590	Water Rights, 2022c

In examining the estimated potentiometric surface of time in the vicinity of the well site for this application, it appears that the Dakota aquifer in this area is still in the process of

equilibrating to changes in water use from the Dakota aquifer in the area. Table 1 also matches what is seen in the hydrograph for observation well ED-85A in that the elevation of the potentiometric surface has increased in recent years. As previously noted, water being discharged without beneficial use from uncontrolled flowing wells is not considered by the Water Management Board to be an appropriation pursuant to SDCI 46-6-3.1. The water flowing from uncontrolled flowing wells should be available for capture and use by appropriative users. Therefore, there is a reasonable probability that unappropriated water is available for additional appropriations from the Dakota aquifer.

Hydrologic Budget

Recharge

Recharge to the Dakota aquifer in South Dakota occurs through upward leakage from underlying aquifers with higher artesian pressure than the Dakota aquifer, downward seepage through overlying confining layers, and through infiltration of precipitation on Newcastle Formation outcrops in the Black Hills (Bredehoeft, et al., 1983). Bredehoeft, et al. (1983) attempted to match Darton's (1909) potentiometric surface map of the Dakota aquifer using computer modeling and estimated approximately 79.4 cfs (57,500 acre-feet per year) of recharge to the Dakota aquifer prior to the beginning of extensive development of the aquifer in South Dakota. However, assumptions used in Bredehoeft, et al.'s (1983) recharge estimate are now outdated. For example, the recharge estimates used for the Madison and Inyan Kara aquifers in Bredehoeft, et al.'s (1983) analysis are much lower than estimates calculated by the more recent research of Carter, et al. (2002). While outdated the Bredehoeft, et al.'s (1983) estimate is provided as best information available to give a sense of scale of the recharge to the Dakota aquifer in South Dakota, it is unknown whether the true recharge rate of the Dakota aquifer is higher or lower than Bredehoeft et al.'s (1983) estimate.

Discharge

Discharge from the Dakota aquifer in South Dakota occurs through domestic and appropriative well withdrawals, uncontrolled flowing wells, outflow through corroded well casings, and outflow to overlying adjacent aquifers because of higher artesian pressure in the Dakota aquifer (Bredehoeft, et al., 1983; Water Rights, 2022a and 2022b). Appropriative withdrawal from the Dakota aquifer in South Dakota is by 20 irrigation water rights/permits and 235 non-irrigation water rights/permits (Water Rights, 2022b). Additionally, there are seven future use permits collectively reserving 4,237 acre-feet of water from the Dakota aquifer in South Dakota for Canton, Lennox, Harrisburg, South Lincoln County Rural Water System (RWS), and Lincoln County RWS (Steen, 2022).

Steen (2022) estimated average annual appropriative non-irrigation use from the Dakota aquifer in South Dakota at approximately 22,774 acre-feet per year. Since the appropriative non-irrigation use estimate of Steen (2022), there has been one non-irrigation water permit issued (Water Permit No. 8562-3) for the use of up to 491 acre-feet of water annually and no cancellation of water rights/permits from the Dakota aquifer (Water Rights, 2022b). Therefore, average annual appropriative non-irrigation use from the Dakota aquifer in South Dakota is estimated at approximately 23,235 acre-feet per year.

Currently, there are 20 irrigation water rights/permits authorized to appropriate water from the Dakota aquifer (Water Rights, 2022b). Irrigation water rights/permits have been typically required to report their annual usage on an irrigation questionnaire since 1979, reported irrigation for the Dakota aquifer is provided in Appendix A Table A1. Table A1 lists only 16 water rights/permits reporting irrigation use from the Dakota aquifer. Of the water rights/permits reflected in Table A1, Water Permit No. 8423-3 for the irrigation of 42 acres of golf course (with an annual appropriation that may not exceed three-acre feet annually for each acre of land authorized to be irrigated) is not yet developed, therefore estimated average annual use for Permit No. 8423-3 is less than 126 acre-feet per year. With a higher number of irrigation water rights/permits in more recent years, the average reported water usage from 2010 to 2021 of 208 acre-feet per year will be used to estimate the water use on the remaining reporting water rights/permits.

Water Right Nos. 394-3 and 762-3 (collectively authorized to irrigate 31.2 acre) are not required to submit an irrigation questionnaire (Water Rights, 2022b). Water Permit No. 8510-3 and Water Permit No. 8560-3 (issued in 2021, not yet reporting irrigation data) collectively authorize irrigation of 95 acres of golf course and are limited to an annual appropriation that may not exceed two-acre feet annually for each acre of land authorized to be irrigated (Water Rights, 2022b). Collectively, average water use for these four water rights/permits is estimated to be less than 252.4 acre-feet per year. Additionally, several of the irrigation water right/permits from the Dakota aquifer are authorized to irrigate acres that are also authorized for irrigation from other water sources. Therefore, total estimated appropriative irrigation use from the Dakota aquifer in South Dakota is less than 586 acre-feet per year.

There are a large number of water well completion reports for use types and use rates that do not require a water permit completed into the Dakota aquifer that are on file with the Water Rights Program (Water Rights, 2022c). The current status of these domestic wells is unknown and could range anywhere from controlled and in use to uncontrolled with some beneficial use. There are also a number of uncontrolled flowing Dakota wells that flow to waste. The volume of water flowing to waste from the Dakota aquifer has not and will likely never be quantified. The volume of water flowing to waste from the Dakota aquifer is likely a significant component of discharge from the aquifer. In the 1960's, it was reported 46 uncontrolled flowing wells (no specific water source was mentioned) had a rate of 16 million gallons per day (approximately 17,900 acre-feet per year) (Davis et al., 1961). The uncontrolled flowing wells had a rate approximately equivalent to 3,054 controlled flowing wells that were presumed completed into the Dakota aquifer (Davis et al., 1961). However, as previously noted, water being discharged without beneficial use from uncontrolled flowing wells is not considered by the Water Management Board to be an appropriation pursuant to SDCI. 46-6-3.1. Therefore, water flowing from uncontrolled flowing wells should be available for capture and use by appropriative users.

Balance

Although outdated, the Bredehoeft, et al. (1983) estimate of approximately 79.4 cfs (57,500 acre-feet per year) of recharge to the Dakota aquifer per year in South Dakota provides a sense of scale to the recharge this aquifer receives. Estimated total appropriative withdrawal and reservations from the Dakota aquifer in South Dakota is less than 28,150 acre-feet per year (future use: 4,237 acre-feet per year, non-irrigation: 23,235 acre-feet per year, irrigation: 586 acre-feet per

year, and Application No. 8666-3: 92 acre-feet per year). Therefore, based on the analysis of the hydrologic budget of the Dakota aquifer in South Dakota there is a reasonable probability that water is available for the diversion proposed by this application.

Pending Water Permit Application No. 8670-3 proposes to appropriate up to 15 acre-feet per year at a diversion rate of 0.09 cfs from an existing well located approximately 16 miles west of Wessington Springs, SD. Pending Water Permit Application No. 8676-3 proposes to appropriate up to 155 acre-feet of water per year at a diversion rate of 0.29 cfs from diversion points located approximately nine miles southwest of De Smet, SD. These pending applications for the Dakota aquifer were not included in the analysis of the hydrologic budget for this aquifer since these pending applications will have priority dates junior to this application.

Potential for Unlawful Impairment

Figure 3 shows area Dakota water rights/permits currently authorized to appropriate water from the Dakota aquifer in the area of this application, and these water rights/permits are summarized in Table 2. The nearest water right/permit to the wells that this application proposes to utilize is Water Permit No. 8372-3 held by Hybrid Turkey located approximately 6.8 miles to the northeast of the well sites for this application. The next nearest water right/permit is Water Permit No. 6257-3 held by Thunderbird Colony located approximately 7.1 miles to the south of the well sites for this application.

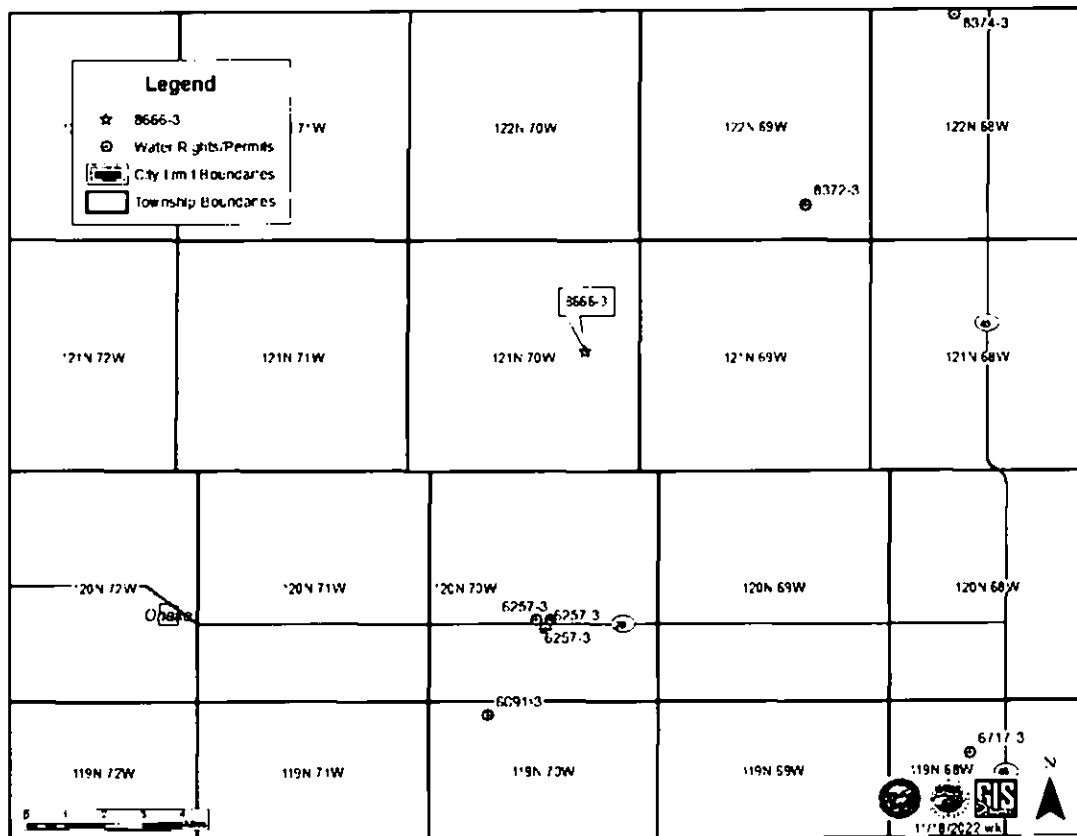


Figure 3: Water rights/permits currently authorized to appropriate water from the Dakota aquifer in the area of this application (Water Rights, 2022b)

Table 2: Summary of Water Rights/Permits in Figure 3 (Water Rights, 2022b)				
Permit No.	Name	Status	Use	Rate (cfs)
6091-3	BRENTWOOD COLONY	PE	commercial & livestock confinement operation	0.1
6257-3	THUNDERBIRD COLONY	PE	domestic	0.2
6717-3	EVERGREEN COLONY	LC	commercial & domestic	0.09
8372-3	HYBRID TURKEYS	PE	commercial & livestock confinement operation	0.33
8374-3	HYBRID TURKEYS	PE	commercial & livestock confinement operation	0.33
PE=permit, LC=license				

There are two domestic wells on file with the SDDANR-Water Rights Program within about one mile of the well location for this application that appear to be in the Dakota aquifer the nearest of which appears to be on land owned by the applicant (Water Rights, 2022c and First District, 2022). However, since the availability of well completion records prior to the mid-1980s is extremely limited and the exact location of domestic wells are not verified; the actual number of domestic wells within about one mile could vary slightly from the noted two domestic wells. However, based on the age of some of these well (1940 and 1945) the extent to which these wells could still be utilized today (if they still exist) is unknown, due to either deteriorated condition, decreased flow, or ceasing to flow. In Edmunds County, there are no substantiated complaints on file with the Water Rights Program of adequate wells in the Dakota aquifer being unlawfully impaired (Water Rights, 2022d). The Water Management Board recognizes that putting water to beneficial use requires a certain amount of drawdown to occur. The Board has developed rules to allow water to be placed to maximum beneficial use without the necessity of maintaining artesian head pressure for domestic use. The Water Management Board defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

“A well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner’s needs.”

The Water Management Board considered the delivery of water by artesian head pressure versus maximum beneficial use during the issuance of Water Right No. 2313-2 for Coca-Cola Bottling Company of the Black Hills. The Board adopted the Findings of Facts and Conclusions of Law that noted the reservation of artesian head pressure for delivery of water would be inconsistent with SDCL 46-1-4 which states, “general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable...” (Water Rights, 1995). Furthermore, the Water Management Board found if increased cost or decreased production as a result of impacts on artesian head pressure by legitimate users is to be considered as an unlawful impairment, it would also conflict with SDCL 46-1-4 (Water Rights, 1995). With that in mind, some existing well owners may need to install or lower pumps depending on the specific characteristics of the Dakota aquifer at their location. However, when considering the statutes (SDCL 46-1-4 and 46-6-6.1), rule (ARSD 74:02:04:20(7)), the amount of artesian head pressure at the well sites for this application, and the lack of well interference complaints from the Dakota aquifer in the area, any drawdown created from the proposed diversion is not expected to cause an

unlawful impairment on existing water right/permit holders or domestic users with adequate wells. Therefore, there is a reasonable probability that any interference from the proposed appropriation will not impose unlawful impairments on existing users with adequate wells.

Special Consideration: Well Construction

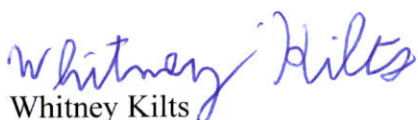
The proposed diversion point must meet adequate well construction standards as defined in ARSD 74:02:04:20. An adequate well has been defined in ARSD 74:02:04:20(6) as:

“A well constructed or rehabilitated to allow various withdrawal methods to be used, to allow the inlet to the pump to be placed not less than 20 feet into the saturated aquifer or formation material when the well is constructed, or to allow the pump to be placed as near to the bottom of the aquifer as is practical if the aquifer thickness is less than 20 feet.”

The alternative well construction requirements for certain Dakota aquifer wells (ARSD 74:02:04:35) are not permitted for commercial uses. The submitted well completion report for the existing well for this application indicates well construction is such that it meets constructions requirements for a permitted appropriative well. The second proposed well for this application along with any future replacement or additional wells shall meet the adequate well construction standard as defined in ARSD 74:02:04:20. Replacement or additional wells may not be constructed using the alternative construction requirements that are allowed for domestic use wells outlined in ARSD 74:02:04:35.

Conclusions

1. Water Permit Application No. 8666-3 proposes to appropriate up to 92 acre-feet of water annually at a maximum instantaneous diversion rate of 0.156 cfs from two wells completed into the Dakota aquifer. The wells are to be located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14 for commercial use in a swine facility located in the E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 14; all in the T121N-R70W.
2. Based on the analysis of the hydrologic budget for the Dakota aquifer in South Dakota and the Water Rights observation well data for the Dakota aquifer in this area, there is a reasonable probability that water is available for the amount proposed by Water Permit Application No. 8666-3.
3. There is a reasonable probability that pumping under Water Permit Application No. 8666-3, if approved, will not unlawfully impair existing water right/permit holders and domestic users with adequate wells.


Whitney Kilts

SDDANR-Water Rights Program

References

- Bredehoeft, J.D., Neuzil, C.E., and Milly, P.C., 1983. Regional Flow in the Dakota Aquifer: A Study of the Role of Confining Layers. Alexandria, Virginia: U.S. Geological Survey, 1983. Water-Supply Paper 2237.
- Carter, J.M., Driscoll, D.G., Williamson, J.E., and Lindquist, V.A., 2002. Atlas of Water Resources in the Black Hills area, South Dakota. Rapid City South Dakota: U.S. Geological Survey, 2002. Hydrologic Investigations Atlas HIA-747.
- Darton, N.H., 1909. Geology and Underground Waters of South Dakota. Water Supply Paper 227. U.S. Geological Survey, Washington D.C.
- Davis, R.W., Dyer, C.F., and Powell, J.F. 1961. Progress Report on Wells Penetrating Artesian Aquifers in South Dakota. U.S. Geological Survey Water-Supply Paper 1534. U.S. Geological Survey. Washington D.C.
- First District. 2022. Edmunds County MapNet. MapNet. First District Association of Local Governments GIS. <<https://www.1stdistrict.org/edmundsts/>>. Accessed November 11, 2022.
- Hedges, L.S., Burch, S. L., Iles, D. L., Barari, R. A., and Schoon, R. A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota, and Iowa. Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report. U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Schoon, R. A. 1971. Geology and Hydrology of the Dakota Formation in South Dakota. SDGS, Vermillion, SD.
- Steen, N. 2022. Report on Water Permit Application No. 8562-3: Riverview LLP. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 1980-2022. Irrigation Questionnaire Summary. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 1987. Water Right File No. 5136-3 Farmland Industries. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 1995. Water Rights File No. 2313-2 Coca-Cola Bottling Company of the Black Hills. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2010. Water Rights File No. 7165-3 Paul Buckneberg. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2022a. Observation Well Files, SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Report for Water Permit Application 8666-3

Water Rights. 2022b. Water Right/Permit Files. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Water Rights. 2022c. Well Completion Reports. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Water Rights. 2022d. County Complaint Files. SD DANR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Report for Water Permit Application 8666-3

Appendix A: Irrigation Data

Table A1: Reported Appropriative Irrigation use from the Dakota Aquifer in South Dakota (Water Rights, 1980-2022)		
Year	No. of Permits Reporting	Reported Pumpage (acre-feet)
1979	2	38
1980	2	110
1981	4	45
1982	5	33.2
1983	5	64.4
1984	4	0
1985	5	8.1
1986	5	238.9
1987	5	1.3
1988	4	452.8
1989	4	265.4
1990	4	234
1991	5	165.4
1992	5	40.4
1993	7	112.4
1994	7	51.9
1995	8	30.8
1996	8	34.4
1997	9	48
1998	9	175.8
1999	10	101.6
2000	10	172.8
2001	11	160.9
2002	10	178.9
2003	10	205
2004	10	154
2005	12	146.5
2006	13	232.3
2007	14	200
2008	14	196.4
2009	15	130.8
2010	17	171.7
2011	18	174.6
2012	18	298.3
2013	18	256.5
2014	17	162.9
2015	17	236.1
2016	16	196
2017	16	229.1
2018	16	156.7
2019	15	107.5
2020	16	245.6
2021	16	255.93
Min	2	0
Max	18	452.8
1979 to 2021 Average	10	152
2010 to 2021 Average	17	208

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, November 30, 2022 8:21 AM
To: jasonsylte@hotmail.com
Cc: Brad Woerner (bwoerner@stockwellengineers.com)
Subject: Water Permit Application No. 8666-3, SFP LLC
Attachments: 4481.pdf

Attached is a copy of the report, chief engineer recommendation and information regarding the public notice for your water permit application. As stated in the letter, please contact the paper(s) as soon as possible to authorize publication and arrange for payment. This information is being mailed to you today.

Karen Schlaak
DANR - Water Rights Program
(605) 773-3352
Website: <https://danr.sd.gov>



AFFIDAVIT OF PUBLICATION

RECEIVED

State of South Dakota)
) SS
 County of Edmunds)

DEC 27 2022

OFFICE OF
 WATER

D.E. Gibson of said county, being, first duly sworn on oath says: That he is the publisher or an employee of the publisher of the **Ipswich Tribune**, a weekly newspaper, published in the City of Ipswich, in said County of Edmunds, and State of South Dakota; that he has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive; that said newspaper has been published within the said County of Edmunds and State of South Dakota, for at least one year next prior to the first publication of the attached public notice, and that the advertisement headed

NOTICE OF APPLICATION

NO. 8666-3

TO APPROPRIATE WATER

a printed copy of which, taken from the paper in which the same was published, and which is hereto attached and made a part of this affidavit, was published in said newspaper for one successive issues.

The First publication being made on the 7 day of Dec., 2022

The Second publication being made on the day of , 20

The Third publication being made on the day of , 20

The Fourth publication being made on the day of , 20

The Fifth publication being made on the day of , 20

That the full amount of the fee charged for the publication of the attached public notice insures to the sole benefit of the publisher; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Forty-one Dollars and
fourteen cents (\$ 41.14)

Signed: DE Gibson

Subscribed and sworn to before me this 20 day of Dec., 2022



Tena M Gibson

Notary Public - Edmunds County, South Dakota

My commission expires February 26, 2025

PUBLIC NOTICE

NOTICE OF APPLICATION NO. 8666-3

to Appropriate Water

Notice is given that SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 has filed an application for a water permit to appropriate up to 92 acre-feet of water annually at a maximum pump rate of 0.156 cubic feet of water per second from two wells to be completed into the Dakota Aquifer (approximately 1,390 feet deep) located in the SE 1/4 SE 1/4 Section 14 for commercial use in a swine facility located in the E 1/2 SE 1/4 Section 14; all in T121N-R70W. This site is located approximately 15 miles southwest of Ipswich SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8666-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing this application or recommendation shall allege that the application, upon approval, will cause injury to the person that is unique from any injury suffered by the public in general. The injury must concern a matter either within the regulatory authority found in SDCL 46-2A-9 for approval or denial of the application, or other matter concerning the application within the regulatory authority of the board to act upon as defined by SDCL 46-2-9 and 46-2-11, or both. Any person meeting the petitioner requirements and

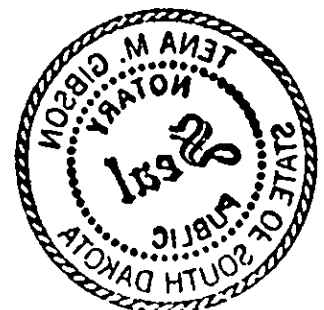
wishing to be a party of record in a contested case hearing shall file a written petition to oppose the application with BOTH the applicant and Chief Engineer. A petition opposing the application shall be filed on a form provided by the Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501" or call (605) 773-3352. The applicant's mailing address is given above. If contesting the Chief Engineer's recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by December 19, 2022.

The petition shall include a statement describing the unique injury upon approval of the application on the petitioner, the petitioner's reasons for opposing the application, and the name and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

Any interested person may file a comment on the application with the Chief Engineer. The comment shall be filed on a form provided by the Chief Engineer and is available online at <https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Chief Engineer at the address provided above. Filing a comment does not make the commenter a party of record or a participant in any hearing that may be held. Any comment must be filed by December 19, 2022.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled, and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Published once at the total approximate cost of \$41.14 /may be viewed free of charge at www.sdpublicnotices.com (Publish T 12-7)



PUBLIC NOTICE

NOTICE OF APPLICATION NO. 8666-3

to Appropriate Water

Notice is given that SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 has filed an application for a water permit to appropriate up to 92 acre-feet of water annually at a maximum pump rate of 0.156 cubic feet of water per second from two wells to be completed into the Dakota Aquifer (approximately 1,390 feet deep) located in the SE 1/4 SE 1/4 Section 14 for commercial use in a swine facility located in the E 1/2 SE 1/4 Section 14; all in T121N-R70W. This site is located approximately 15 miles southwest of Ipswich SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8666-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing this application or recommendation shall allege that the application, upon approval, will cause injury to the person that is unique from any injury suffered by the public in general. The injury must concern a matter either within the regulatory authority found in SDCL 46-2A-9 for approval or denial of the application, or other matter concerning the application within the regulatory authority of the board to act upon as defined by SDCL 46-2-9 and 46-2-11, or both. Any person meeting the petitioner requirements and

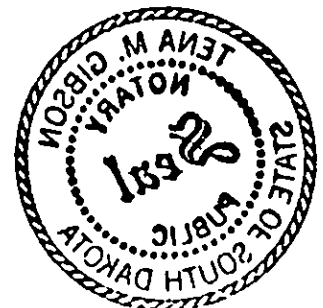
wishing to be a party of record in a contested case hearing shall file a written petition to oppose the application with BOTH the applicant and Chief Engineer. A petition opposing the application shall be filed on a form provided by the Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501" or call (605) 773-3352. The applicant's mailing address is given above. If contesting the Chief Engineer's recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by December 19, 2022.

The petition shall include a statement describing the unique injury upon approval of the application on the petitioner, the petitioner's reasons for opposing the application, and the name and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

Any interested person may file a comment on the application with the Chief Engineer. The comment shall be filed on a form provided by the Chief Engineer and is available online at <https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Chief Engineer at the address provided above. Filing a comment does not make the commenter a party of record or a participant in any hearing that may be held. Any comment must be filed by December 19, 2022.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled, and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Published once at the total
approximate cost of \$41.14
/may be viewed free of charge
at www.sdpublicnotices.com
(Publish T 12-7)



AFFIDAVIT OF PUBLICATION

RECEIVED

State of South Dakota)
) SS
 County of Edmunds)

DEC 27 2022

OFFICE OF
 WATER

D.E. Gibson of said county, being, first duly sworn on oath says: That he is the publisher or an employee of the publisher of the **Ipswich Tribune**, a weekly newspaper, published in the City of Ipswich, in said County of Edmunds, and State of South Dakota; that he has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive; that said newspaper has been published within the said County of Edmunds and State of South Dakota, for at least one year next prior to the first publication of the attached public notice, and that the advertisement headed

NOTICE OF APPLICATION

NO. 8666-3

TO APPROPRIATE WATER

a printed copy of which, taken from the paper in which the same was published, and which is hereto attached and made a part of this affidavit, was published in said newspaper for one successive issues.

The First publication being made on the 7 day of Dec., 2022

The Second publication being made on the day of, 20.....

The Third publication being made on the day of, 20.....

The Fourth publication being made on the day of, 20.....

The Fifth publication being made on the day of, 20.....

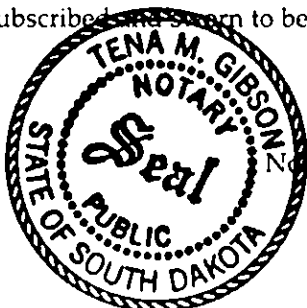
That the full amount of the fee charged for the publication of the attached public notice insures to the sole benefit of the publisher; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Forty-oneDollars and

fourteencents (\$ 41.14)

Signed: J.E. Gibson

Subscribed and sworn to before me this 20 day of Dec., 2022



Tena M. Gibson
 Notary Public - Edmunds County, South Dakota

My commission expires February 26, 2025

LOCALiQ

Aberdeen News
Watertown Public Opinion

PO Box 630567 Cincinnati, OH 45263-0567

PROOF OF PUBLICATION

Water Rights Program
SFP LLC
Po Box 346
Ipswich SD 57451-0346

RECEIVED

DEC 19 2022

OFFICE OF
WATER

STATE OF SOUTH DAKOTA, COUNTY OF BROWN

The AMERICAN NEWS is a daily newspaper of general circulation, printed and published in Aberdeen, Brown County, South Dakota, and has been such a newspaper during the times hereinafter mentioned; and personal knowledge of the facts here state that the notice hereto annexed was Published in said newspapers in the issue dated:

12/07/2022

That said newspaper is a legal newspaper published five days or more each week; with a bona fide circulation of more than two hundred copies daily; published in the English language within the said county of Brown for more than one year prior to the first publication of said notice; and printed in whole in an office maintained at the place of publication of said newspaper. Sworn to and subscribed before on 12/07/2022

Legal Clerk

Notary, State of WI, County of Brown

My commission expires

Publication Cost: \$48.68

Order No: 8119480

of Copies: -

Customer No: 882420

1

PO #: App # 8666-3

THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.

SARAH BERTELSEN
Notary Public
State of Wisconsin

NOTICE OF
APPLICATION NO. 8666-3
to Appropriate Water

Notice is given that SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 has filed an application for a water permit to appropriate up to 92 acre-feet of water annually at a maximum pump rate of 0.156 cubic feet of water per second from two wells to be completed into the Dakota Aquifer (approximately 1,390 feet deep) located in the SE 1/4 SE 1/4 Section 14 for commercial use in a swine facility located in the E 1/2 SE 1/4 Section 14; all in T121N-R70W. This site is located approximately 15 miles southwest of Ipswich SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8666-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at

<https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing this application or recommendation shall allege that the application, upon approval, will cause injury to the person that is unique from any injury suffered by the public in general. The injury must concern a matter either within the regulatory authority found in SDCL 46-2A-9 for approval or denial of the application, or other matter concerning the application within the regulatory authority of the board to act upon as defined by SDCL 46-2-9 and 46-2-11, or both. Any person meeting the petitioner requirements and wishing to be a party of record in a contested case hearing shall file a written petition to oppose the application with BOTH the applicant and Chief Engineer. A petition opposing the application shall be filed on a form provided by the Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501" or call (605) 773-3352. The applicant's mailing address is given above. If contesting the Chief Engineer's recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by December 19, 2022.

The petition shall include a statement describing the unique injury upon approval of the application on the petitioner, the petitioner's reasons for opposing the application, and the name and mailing address of the petitioner or the petitioner's legal counsel. If legal counsel is obtained.

Any interested person may file a comment on the application with the Chief Engineer. The comment shall be filed on a form provided by the Chief Engineer and is available online at

<https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Chief Engineer at the address provided above. Filing a

comment does not make the commenter a party of record or a participant in any hearing that may be held. Any comment must be filed by December 19, 2022.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled, and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Published Dec. 7, 2022, at the total approximate cost of \$48.68 and may be viewed free of charge at www.sdpublicnotices.com.

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, November 29, 2022 1:18 PM
To: Aberdeen News Legals (aan-legals@aberdeennews.com)
Subject: 8666-3, SFP LLC
Attachments: 8666-3public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on December 7, 2022.

SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 (605 380-8894) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak

DANR - Water Rights Program
(605) 773-3352
Website: <https://danr.sd.gov>



Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, November 29, 2022 1:18 PM
To: iptribune@valleytel.net
Subject: 8666-3, SFP LLC
Attachments: 8666-3public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on December 7, 2022.

SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 (605 380-8894) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak

DANR - Water Rights Program
(605) 773-3352
Website: <https://danr.sd.gov>





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPERS RIGHT AWAY.**

November 30, 2022

SFP LLC
c/o Jason Sylte
PO Box 346
Ipswich SD 57451-0346

Dear Mr. Sylte:

Water Permit Application No. 8666-3 for commercial use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Ipswich Tribune printed at Ipswich (Ph # 605 426-6471) and the American News printed at Aberdeen (see attachment for contact number). You will need to contact the newspapers and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspapers to authorize publication of your Notice and to arrange for payment. Early contact with the papers can eliminate delays. Upon receiving authorization from you, the publishers have been instructed to publish your notice. The newspapers have also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

email: Brad Woerner, Stockwell Engineers

NOTICE OF APPLICATION NO. 8666-3 to Appropriate Water

Notice is given that SFP LLC, c/o Jason Sylte, PO Box 346, Ipswich SD 57451-0346 has filed an application for a water permit to appropriate up to 92 acre-feet of water annually at a maximum pump rate of 0.156 cubic feet of water per second from two wells to be completed into the Dakota Aquifer (approximately 1,390 feet deep) located in the SE 1/4 SE 1/4 Section 14 for commercial use in a swine facility located in the E 1/2 SE 1/4 Section 14; all in T121N-R70W. This site is located approximately 15 miles southwest of Ipswich SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8666-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing this application or recommendation shall allege that the application, upon approval, will cause injury to the person that is unique from any injury suffered by the public in general. The injury must concern a matter either within the regulatory authority found in SDCL 46-2A-9 for approval or denial of the application, or other matter concerning the application within the regulatory authority of the board to act upon as defined by SDCL 46-2-9 and 46-2-11, or both. Any person meeting the petitioner requirements and wishing to be a party of record in a contested case hearing shall file a written petition to oppose the application with BOTH the applicant and Chief Engineer. A petition opposing the application shall be filed on a form provided by the Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501" or call (605) 773-3352. The applicant's mailing address is given above. If contesting the Chief Engineer's recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by December 19, 2022.

The petition shall include a statement describing the unique injury upon approval of the application on the petitioner, the petitioner's reasons for opposing the application, and the name and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

Any interested person may file a comment on the application with the Chief Engineer. The comment shall be filed on a form provided by the Chief Engineer and is available online at <https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Chief Engineer at the address provided above. Filing a comment does not make the commenter a party of record or a participant in any hearing that may be held. Any comment must be filed by December 19, 2022.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled, and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Published once at the total approximate cost of_



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

JAN 19 2023

SFP, LLC
c/o Jason Sylte
PO Box 346
Ipswich SD 57451-0346

Dear Mr. Sylte:

Enclosed is Water Permit No. 8666-3 authorizing construction of the water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,


Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

**Affidavit of Public Notice
on DANR Website**

Pursuant to SDCL § 46-2A-4, public notice of the following application was posted on the DANR web site at <https://danr.sd.gov/public>. The posted public notice is the same notice as published in the pertinent newspaper(s) and a copy of the public notice is maintained in the application file. If the application is contested, the posting is moved to the DANR contested case website at <https://danr.sd.gov/public/ContestedCase.aspx> until final action is taken on the application pursuant to SDCL § 46-2A-4.

Application No.: 8666-3

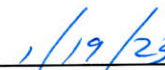
Name of Applicant: SFP, LLC, c/o Jason Sylte

Date of Posting: 12/5/2022

Date of Removal: 1/19/2023



Ron Duvall, Water Rights Permitting Administrator

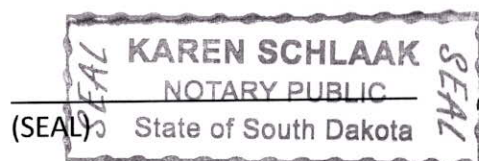


Date

Subscribed and sworn to before me, a notary public, this 19th day of Jan, 2023.



Notary Public - South Dakota
My commission expires: 4/1/2025

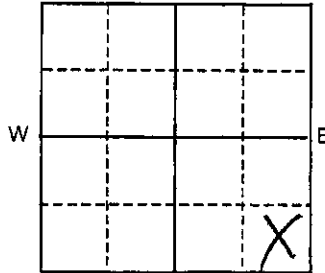


SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE 1/4 SE 1/4 Sec 14 Twp 121N Rg 70WCounty Edmunds

North

Please mark well
location with an "X"

Well Completion Date

6-9-23

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.):
300 ft. from Barn (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Nud Rotary

CASING DATA:

☒ Steel ☐ Plastic ☒ Other
 If other describe Stainless Steel

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>5</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>1265</u> FT	<u>7 7/8</u> IN
<u>2</u> LB/FT	<u>2</u> IN	<u>1265</u> FT	<u>1370</u> FT	<u>4 3/4</u> IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland</u>	<u>200</u>	<u>15</u> Lb/gal	<u>0</u> Ft	<u>1265</u> Ft

Describe grouting procedure

Pumped Through 5" Pipe

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 2 Inches Length 110 Feet
 Material Stainless Steel
 Slot Size 1025 Set From 1265 Feet to 1370 Feet

Other information

WAS A PACKER OR SEAL USED? ☒ Yes ☐ NoIf so, what material? CementDescribe packer(s) and location 1265'

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine
☐ No, Why Not?
 Lab to which water
 quality sample sent for analysis
Well Owner: PipestoneBusiness Name: SFP LLCAddress: PO Box 346City, State, Zip: Ipawich SD 57451

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>5</u>
<u>Yellow Clay</u>	<u>5</u>	<u>25</u>
<u>Blue Clay</u>	<u>25</u>	<u>280</u>
<u>Sand Strucks</u>	<u>280</u>	<u>480</u>
<u>Shale</u>	<u>480</u>	<u>1100</u>
<u>Dakota</u>	<u>1100</u>	<u>1370</u>

STATIC WATER LEVEL

75 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: Air☐ Bailed☐ Other

Pumping Level Below Land Surface

75 Ft. After 12 Hrs. pumped 25 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

JUL 14 2023

OFFICE OF
WATERThis well was drilled under license # 722 and this report is true and accurate.Drilling firm: Stretch's Well Service Inc

Signature of License Representative:

Tom Rathjen

Signature of Well Owner or Equitable Property Holder:

Date: _____