

WATER PERMIT NO. 8931-3

Name of Applicant: **TM Rural Water District**

Address: **110 North Main, Parker SD 57053**

Phone: **605-297-3334**

Amount of Water Claimed: **740 AF**

Total Acres: **N/A**

Source of Water Supply: **Groundwater**

Water to be used for: **RWS**

County: **McCook**

Type of Waste Disposal System:

Location: **Approx. 3 miles north of Dolton**

PRIORITY Date Received: **02-19-25**

Application/License Fee: **\$1,450.00**

Corrected Application Received: **02-26-25**

Period of Annual Use: **January 1 – December 31**

Remarks: **Placing to beneficial use water remaining water reserved by FU Permit Nos. 5358-3 and 6705-3**

Diversion Point: **SW 1/4 SW 1/4 Sec 24-T101N-R55W**

Land to be Irrigated: **N/A**

Depth of Well: **400**

Well Driller: **Steffl Drilling & Pump**

Remarks:

Type of Map: **aerial**

			24		

Reviewed and the Number Assigned on: **02-27-25**

By: **Rachel Rodriguez**

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 8931-3

Date of first receipt of application February 19, 2025.

Date of return to applicant for corrections, amendments or changes February 20, 2025.

Date of receipt of corrected application February 26, 2025.

The Acting Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8931-3 to TM Rural Water District, 110 North Main Avenue, Parker SD 57053, 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. 8931-3 adds a well and increases the rate of diversion authorized by Water Right No. 5608-3 and Permit No. 6823-3 with no increase in the permitted annual volume. Water Right No. 5608-3 and Permit No. 6823-3 authorize a combined diversion of 3.57 cubic feet of water per second (cfs) from the Upper Vermillion Missouri Aquifer, with a total annual volume not to exceed 2,660 acre-feet of water. This Permit increases the diversion rate authority by an additional 3.34 cfs from two existing wells (Well # 4 & Well #7), and one new well (Well #8) to be completed into an aquifer currently referred to as the Upper Vermillion Missouri Aquifer (approximately 400 ft deep), located in the SW 1/4 SW 1/4 Section 24-T101N-R55W, with no increase to the annual volume. Water Right No. 5608-3, Permit No. 6823-3, and this Permit, authorize a total combined diversion of 2,660 acre-feet of water annually, at a maximum diversion rate of 6.91 cfs from the aquifer currently referred to as the Upper Vermillion Missouri Aquifer. The water will be used for rural water purposes supplying water users in Turner, McCook, Minnehaha, Miner, and Hutchinson counties. This site is located approximately three miles north of Dolton SD.
2. The water appropriated shall be used for the purpose of rural water system 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. 8931-3 is September 15, 2025.
5. The date from which applicant may claim right is October 11, 1989 (1.34 cfs and 970 acre-feet); March 13, 2006 (established by Future Use Permit 6705-3) (2.23 cfs and 1,690 acre-feet).
6. One-fifth of the construction is to be completed on or before March 15, 2028.
7. All construction is to be completed on or before September 15, 2030.
8. Water is to be put to beneficial use on or before September 15, 2034.
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. 8931-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner must control withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

(continued)

2. The proposed well authorized by Water Permit No. 8931-3 must be constructed by a licensed well driller and construction of the well and installation of the pump must 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. The Permit holder must report to the Chief Engineer annually the amount of water withdrawn from the aquifer currently referred to as the Upper Vermillion Missouri Aquifer.
4. This Permit, Water Right No. 5608-3, and Water Permit No. 6823-3, combined, appropriate up to 2,660 acre-feet of water annually.

WATER MANAGEMENT BOARD

By: Mark Mayer
Mark Mayer, PE
Director of Office of Water
Department of Agriculture and Natural Resources

10/30/25
date



FORM 2: Application for uses other than irrigation
(type or print)

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8931-3</u> Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion R</u>
	Newspaper <u>Solom Special, New Era, Argus leader</u> <u>Howard Miner Co. Pioneer, Freeman Courier</u> (office use only)

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FEB 19 2025

OFFICE OF
WATER

Application for Permit to Appropriate Water in 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. <u>5358-3 & 6705-3</u>		
☐ 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 Water Permit TM Rural Water District

Mailing Address 110 North Main Avenue Parker SD 57053
(Address) (City) (State) (Zip Code)

Phone 605-297-3334 Mobile _____ Email _____

2. Amount of water claimed 3.34 *CFS or 800 **GPM and No Add'l ***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)

3. Source of water supply UVM Aquifer

4. Location of point of diversion 1 well in the SW1/4 SW1/4 Section 24-T101N-R55W County McCook
(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? _____
(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Turner, McCook, Minnehaha, Miner, and Hutchinson

6. Annual period during which water is to be used All year (January 1st - December 31st)

7. 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)

Construction of new 800gpm well and connection to raw water lines to supply water treatment plant located 1/2 east of Dolton, SD.

I, Jay L. Torgensen Manager TM Rural Water District, 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.

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)

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 Steffl Drilling & Pump
(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) 400ft Depth to Top of Water Bearing Material ~260ft Depth to Water from Surface ~100ft
- d) Distance to nearest domestic well on applicant's property S ~ 1.0 miles Property owned by others NE ~ 1.0 miles

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

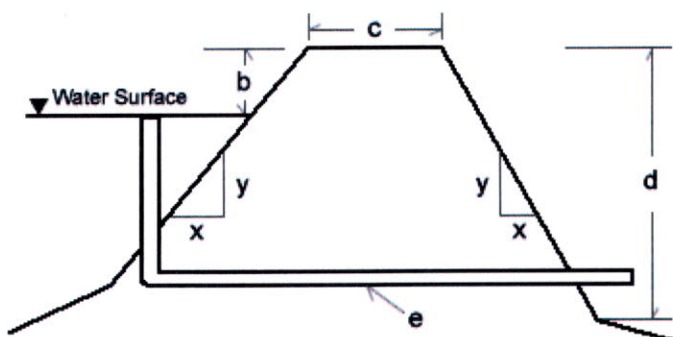
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

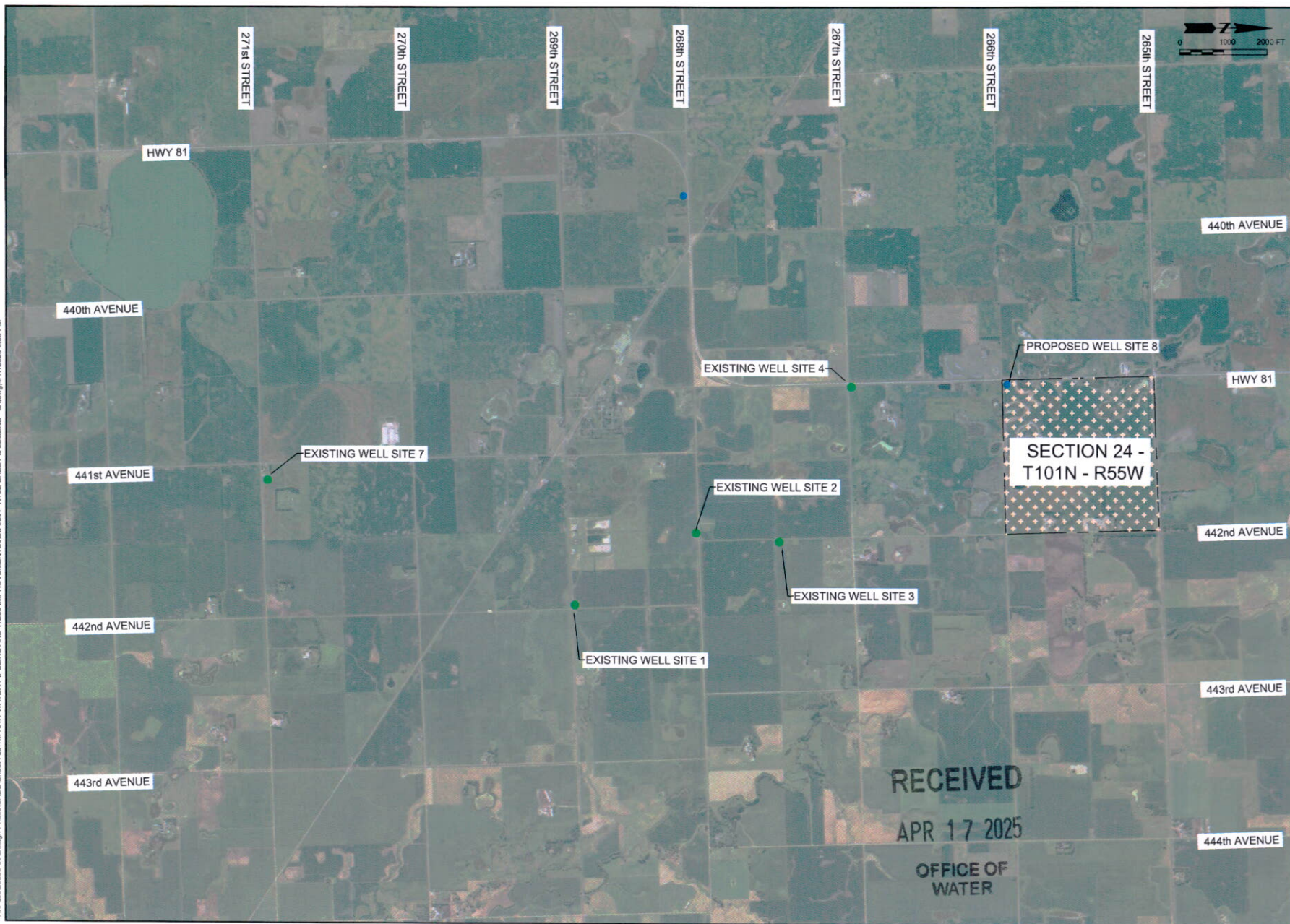
- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____

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



X:\P\1623850-00\Design Phase\CADD\Sheet File\TM RAW WATER PIPELINE AND WELL IMPROVEMENTS.dwg - J:\dwg\417\2025 3:39 PM



TM RURAL WATER DISTRICT
SITE LAYOUT FOR WATER RIGHTS PERMIT
TURNER AND MCCOOK COUNTIES, SOUTH DAKOTA

PROJECT / SHEET TITLE:

REV. DATE

JOB No.: 23850.00
DATE: OCTOBER 2024
ENG / ARCH: C.B.K.
DESIGNER: C.B.K.
TECHNICIAN: J.A.
SCALE: REDUCED TO 1"=100'

SHEET No.: 1

101N 55W
Section: 11

101N 55W
Section: 12

101N 54W
Section: 07

101N 55W
Section: 14

101N 55W
Section: 13

101N 54W
Section: 18

101N 55W
Section: 23

10170102 Vermillion

101N 55W
Section: 24

Lewis and Clark Lake

101N 54W
Section: 19

101N 55W
Section: 26

101N 55W
Section: 25

101N 54W
Section: 30

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MAY 22 2025

OFFICE OF
WATER

Sargent Drilling

INDUSTRIAL ENGINEERING
COMPLETE MUNICIPAL AND INDUSTRIAL
WELL AND PUMP SERVICE

PO Box 367
Geneva, NE 68361-0367

846 South 13th St.

Phone: (402) 759-3902
1-888-496-3902

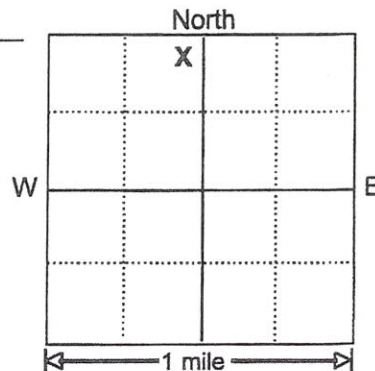
TEST HOLE LOG

CUSTOMER: T M Rural Water	
WELL ID: Well #8	
LOCATION: SW ¼, 24-T101N-R55W, McCook Co., SD	
LATITUDE: 43° 31' 45.1"	
LONGITUDE: 97° 23' 14.9"	
FOOTAGES:	
ELEVATION: 1461'	
DATE: 1-30-2025	DRILLED BY: Scott/jk

from feet - to feet

0	20	Top soil and rocks and brown clay
20	38	Brown clay with sand and rocks
38	40	Gray clay
40	80	Gray clay with rocks and sand layer
80	100	Gray clay with sand and gravel layer and rocks
100	120	Gray clay with sand layer and rocks
120	156	Gray clay with rock
156	170	Fine, medium coarse sand and fine, medium coarse gravel
170	178	Gray clay with sand and gravel layer
178	184	Fine, medium coarse sand and fine, medium coarse gravel
184	200	Gray clay with rocks
200	220	Gray clay
220	260	Gray clay with rocks
260	264	Gray clay
264	271	Fine, medium coarse sand and fine, medium coarse gravel and rocks
271	272	Gray clay
272	280	Fine, medium coarse sand and fine, medium coarse gravel and rocks
280	295	Fine, medium coarse sand and fine gravel with some medium gravel and rocks with clay strips
295	300	Rocks and gravel
300	320	Rocks and fine, medium coarse sand and fine, medium to coarse gravel with shale strips
320	340	Rocks and fine, medium coarse sand and fine to medium gravel and rocks with shale strip
340	360	Fine, medium coarse sand and fine to medium gravel and rocks
360	380	Fine, medium to coarse sand and fine gravel with some medium sand and rocks with gray shale layer
380	394	Fine, medium to coarse sand and some fine gravel
394	400	Gray shale and rocks

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 12 Twp 100 Rg 56County HutchinsonPlease mark well
location with an "X"Plugging Completion Date 3/7/2024

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW-TH6

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 240ftHole size 8"

Collapse hole with air backfill top of formation.

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

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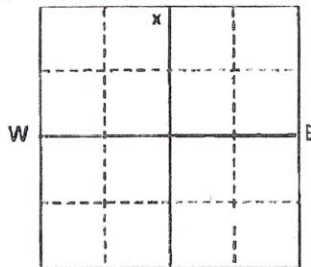
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE 1/4 NW 1/4 Sec 12 Twp 100 Rg 56County Hutchinson

North

Please mark well
location with an "X"

Well Completion Date

3/7/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	240
		Lb/gal	Feet	Feet

Describe grouting procedure _____

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____

Lab to which water

quality sample sent for analysis _____

Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	18
Clay	18	149
Sand/Fine Sand/S&G	149	170
Sand/ Sand & Gravel	170	195
Sand & Gravel	195	197
Sand	197	207
Sand w/ Clay	207	210
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other _____

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW-TH6

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FEB 05 2025

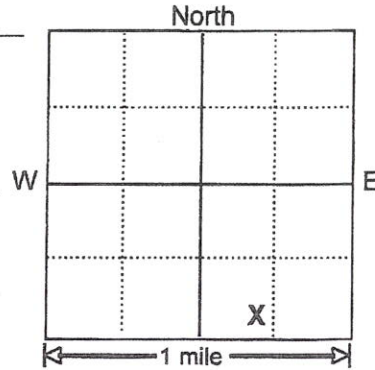
OFFICE OF
WATERThis well was drilled under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 25 Twp 101 Rg 55County McCookPlease mark well
location with an "X"

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW6-TH4Plugging Completion Date 3/5/2024

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 350ftHole size 8"

No water sample

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

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DEC 31 2024

OFFICE OF
WATER

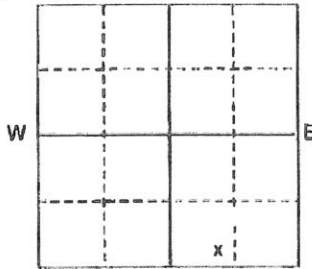
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ Se ¼ Sec 25 Twp 101 Rg 55

County McCook

North

Please mark well
location with an "X"

Well Completion Date

3/5/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA:

If other describe

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	350
		Lb/gal	FT	FT

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____
☐ No, Why Not? _____
 Lab to which water quality sample sent for analysis _____

Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	40
Clay	40	142
Silty Clay	142	153
Diry Sand w/ Clay Layers	153	161
Clay	161	164
Sandy Clay	164	170
Clay	170	172
More on next sheet		

STATIC WATER LEVEL

 FEET
 If flowing: closed in pressure _____ PSI
 GPM flow _____ through _____ Inch pipe
 Controlled by ☐ Valve ☐ Reducers ☐ Other _____
 Reduced flow rate _____ GPM
 Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe:
☐ Bailed
☐ Other
 Pumping Level Below Land Surface
 _____ Ft. After _____ Hrs. pumped _____ GPM
 _____ Ft. After _____ Hrs. pumped _____ GPM
 If pump installed, pump rate: _____ GPM

REMARKS

TMW6-TH4

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OFFICE OF
WATER

This well was drilled under license # 463 and this report is true and accurate.

Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

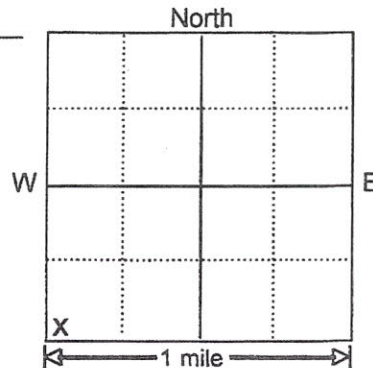
Job #	8015277	Hole #	TMW6-TH4	Unique#	
Geological formations	color	hardness	from	to	
Fine Sand	Gray		172	175	
Clay	Gray		175	216	
Dirty Sand	Gray		216	218	
Clay	Gray		218	260	
Clay w/ Sand Seams	Gray		260	267	
Clay	Gray		267	296	
Fine Sand	Brn/Gry		296	303	
Sandy Clay	Gray		303	306	
Shale	Black		306	315	
Clay w/ fine Sand Seams	Gray		315	336	
Shale	Black		336	350	

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WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 25 Twp 101 Rg 55County McCookPlease mark well
location with an "X"Plugging Completion Date 2/20/2024

Well Owner:

Name:

TM Rural Water District

Address:

110 N Main Ave

City, State, Zip:

ParkerMN57053

Comments:

TMW4-TH3

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 250ftHole size 8"

- No water profile
- 8" liner to 20'

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

OFFICE OF
WATER

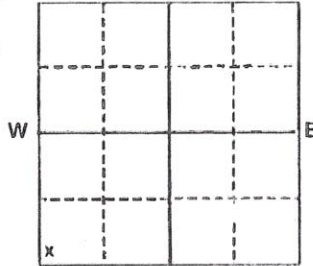
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ NW ¼ Sec 25 Twp 101 Rg 55

County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/20/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	250
		Lb/gal	FT	FT

Describe grouting procedure

Tremie Grouted

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?☐ No, Why Not?Lab to which water
quality sample sent for analysis

Well Owner: TM Rural Water

Business Name:

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	23
Clay	23	68
Clay w/ Sand Layers	68	88
Clay	88	130
Sandy Clay	130	167
Sand	167	172
Clay	172	215
More on next sheet		

STATIC WATER LEVEL _____ FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW4-TH3

RECEIVED

FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.

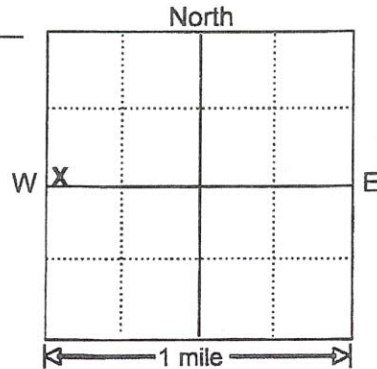
Drilling firm: Steffi Drilling & Pump

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 31 Twp 101 Rg 54County McCookPlease mark well
location with an "X"Plugging Completion Date 2/29/2024

Well Owner:

Name:

TM Rural Water District

Address:

110 N Main Ave

City, State, Zip:

ParkerMN57053

Comments:

TMW3-TH5

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 301ftHole size 8"

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

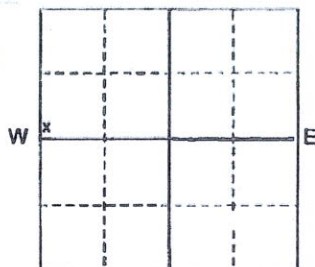
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ NW ¼ Sec 31 Twp 101 Rg 54County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/29/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA:

If other describe

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	301
		Lb/gal	Feet	Feet

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet

Material

Slot Size _____ Set From _____ Feet to _____ Feet

Other information

WAS A PACKER OR SEAL USED?

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____
☐ No, Why Not? _____
 Lab to which water quality sample sent for analysis
Well Owner: TM Rural Water

Business Name:

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	31
Clay	31	75
Clay	75	139
Sand	139	155
Clay	155	156
Fine Sand	156	160
Sandy Clay	160	165
More on next sheet		

STATIC WATER LEVEL

 FEET _____
 If flowing: closed in pressure _____ PSI
 GPM flow _____ through _____ Inch pipe
 Controlled by ☐ Valve ☐ Reducers ☐ Other _____
 Reduced flow rate _____ GPM
 Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe:
☐ Bailed
☐ Other

Pumping Level Below Land Surface

 _____ Ft. After _____ Hrs. pumped _____ GPM
 _____ Ft. After _____ Hrs. pumped _____ GPM
 If pump installed, pump rate: _____ GPM

REMARKS

TMW3-TH5

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FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

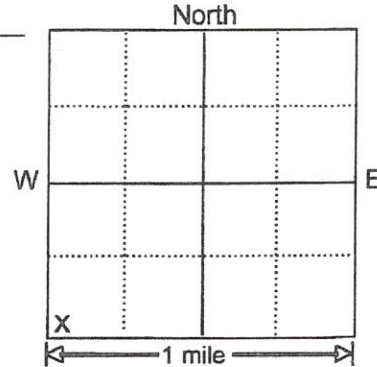
Job #	8015277	Hole #	TMW3-TH5	Unique#	
Geological formations	color	hardness	from	to	
Clay	Gray		165	175	
Fine Sand w/ Clay	Gray		175	191	
fine Sand	Gray		191	199	
Fine Sand w/ Clay	Gray		199	216	
Clay	Gray		216	258	
clay w/ Sand Seams	Gray		258	285	
Dirty Sand & Gravel	Gry/Brn		285	291	
Course Sand & Gravel	Gry/Brn		291	301	
Quartzite	Pink		301		

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 24 Twp 101 Rg 55County McCookPlease mark well
location with an "X"Plugging Completion Date 2/29/2024

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

CDPS-2

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 400ftHole size 8"

- 8" to 20'

- Collapse hole at 260' to not have grout in formation.

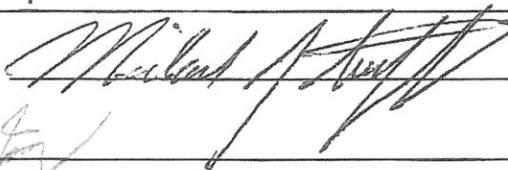
Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & PumpSignature of Licensed Representative: Signature of Well Owner: 

Date: _____

RECEIVED

DEC 31 2024

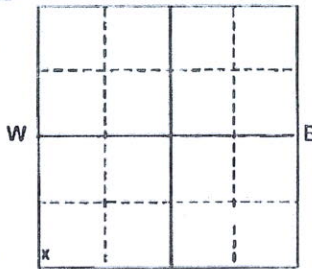
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ SW ¼ Sec 24 Twp 101 Rg 55County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/29/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	260
Formation		Lb/gal	260	400

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis _____Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	35
Clay	35	154
Sand	154	157
Clay	157	159
Dirty Sand & Gravel	159	169
Sand	169	171
Clay	171	188

More on next sheet

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

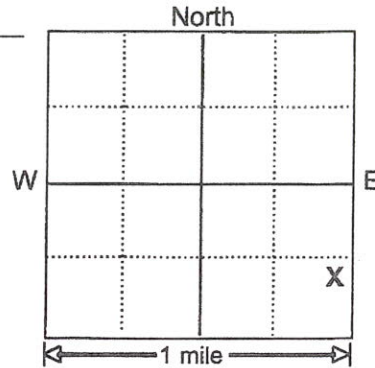
Job #	8015277	Hole #	CDPS-2	Unique#	
Geological formations	color	hardness	from	to	
Silt	Gray		188	224	
Clay	Gray		224	261	
Dirty Sand/Coal	Blu/Gry		261	284	
Sand & Gravel	Gray		28	290	
Fine Sand / Silt	Gray		290	299	
Course Sand & Gravel	Gray		299	306	
Course Sand	Gray		306	313	
Clay	Gray		313	315	
Sand & Gravel	Gray		315	320	
Course Sand & Gravel	Gray		320	390	
Clay w/ Gravel	Gray		390	397	
Coal/Shale	Blk/Gry		397	400	

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 23 Twp 101 Rg 55County McCookPlease mark well
location with an "X"Plugging Completion Date 2/22/2024

Well Owner:

Name:

TM Rural Water District

Address:

110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

CDPN-1

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Hole depth 256FT

Casing material _____

Hole size 8"

Casing size(s) _____

- No water sample

Casing condition _____

- 8" to 20'

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

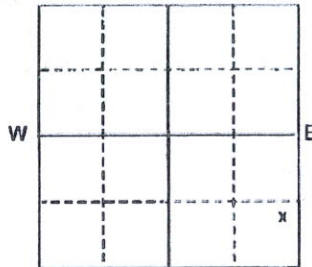
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE 1/4 SE 1/4 Sec 23 Twp 101 Rg 55County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/22/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	256
		Lb/gal	FT	FT

Describe grouting procedure

Tremie Grouted

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____☐ No, Why Not? _____Lab to which water
quality sample sent for analysis _____Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Fill	0	11
Clay	11	24
Clay	24	125
sand	125	126
Clay	126	139
Fine Sand/Wood	139	147
Clay	147	154
Dirty Sand & Gravel	154	164
More on next sheet		

STATIC WATER LEVEL _____ FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

CDPN-1

RECEIVED

FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

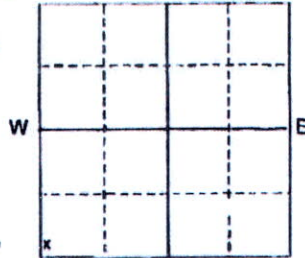
SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location SW ¼ SW ¼ Sec 24 Twp 101 Rg 55

County McCook

North

Please mark well location with an "X"



Well Completion Date

2/29/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	260
Formation		Lb/gal	260	400

Describe grouting procedure

Tremie Grouted

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: TM Rural Water

Business Name:

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	35
Clay	35	154
Sand	154	157
Clay	157	159
Dirty Sand & Gravel	159	169
Sand	169	171
Clay	171	188
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

CDPS-2

RECEIVED

FEB 05 2025

OFFICE OF
WATER

This well was drilled under license # 463 and this report is true and accurate.

Drilling firm: Steffl Drilling & Pump

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

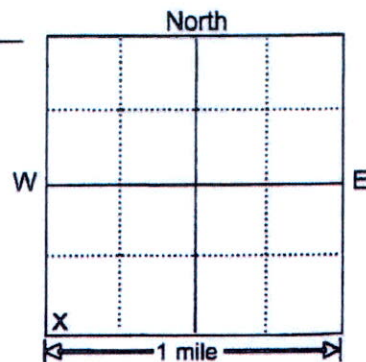
Job #	8015277	Hole #	CDPS-2	Unique#	
Geological formations	color	hardness	from	to	
Silt	Gray		188	224	
Clay	Gray		224	261	
Dirty Sand/Coal	Blu/Gry		261	284	
Sand & Gravel	Gray		28	290	
Fine Sand / Silt	Gray		290	299	
Course Sand & Gravel	Gray		299	306	
Course Sand	Gray		306	313	
Clay	Gray		313	315	
Sand & Gravel	Gray		315	320	
Course Sand & Gravel	Gray		320	390	
Clay w/ Gravel	Gray		390	397	
Coal/Shale	Blk/Gry		397	400	

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW 1/4 SW 1/4 Sec 24 Twp 101 Rg 55County McCookPlease mark well
location with an "X"

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

CDPS-2Plugging Completion Date 2/29/2024

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 400ftHole size 8"

- 8" to 20'

- Collapse hole at 260' to not have grout in
formation.

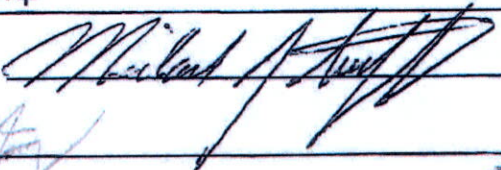
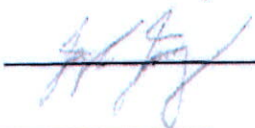
Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & PumpSignature of Licensed Representative: Signature of Well Owner: 

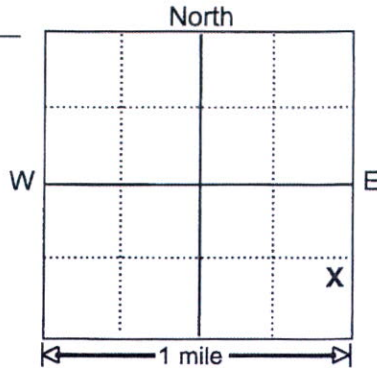
Date: _____

RECEIVED

DEC 31 2024

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 23 Twp 101 Rg 55County McCookPlease mark well
location with an "X"Plugging Completion Date 2/22/2024

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

CDPN-1

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 256FTHole size 8"

- No water sample

- 8" to 20'

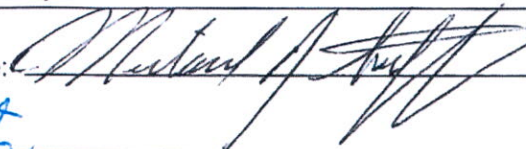
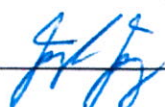
Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & PumpSignature of Licensed Representative: Signature of Well Owner: 

Date: _____

RECEIVED

DEC 31 2024

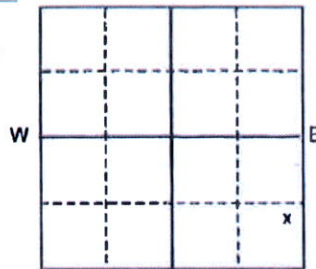
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ SE ¼ Sec 23 Twp 101 Rg 55County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/22/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	256
		Lb/gal	Feet	Feet

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis _____Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Fill	0	11
Clay	11	24
Clay	24	125
sand	125	126
Clay	126	139
Fine Sand/Wood	139	147
Clay	147	154
Dirty Sand & Gravel	154	164
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other _____

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

CDPN-1

RECEIVED

FEB 05 2025

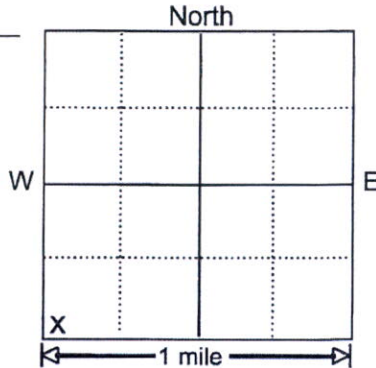
OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 24 Twp 101 Rg 55County McCookPlease mark well
location with an "X"

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

CDPS-2Plugging Completion Date 2/29/2024

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 400ftHole size 8"

- 8" to 20'

- Collapse hole at 260' to not have grout in formation.

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ SW ¼ Sec 24 Twp 101 Rg 55

County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/29/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	260
Formation		Lb/gal	260	400

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____☐ No, Why Not? _____

Lab to which water quality sample sent for analysis _____

Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

DEPTH

FORMATION	FROM	TO
Top Soil	0	1
Clay	1	35
Clay	35	154
Sand	154	157
Clay	157	159
Dirty Sand & Gravel	159	169
Sand	169	171
Clay	171	188
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

CDPS-2

RECEIVED

FEB 05 2025

OFFICE OF
WATER

This well was drilled under license # 463 and this report is true and accurate.

Drilling firm: Steffi Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

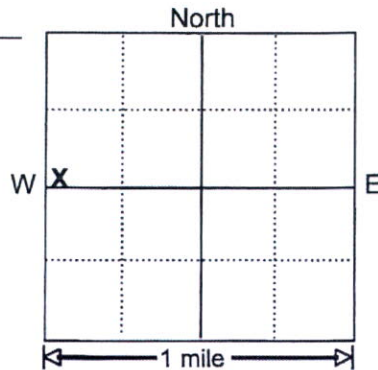
Job #	8015277	Hole #	CDPS-2	Unique#	
Geological formations	color	hardness	from	to	
Silt	Gray		188	224	
Clay	Gray		224	261	
Dirty Sand/Coal	Blu/Gry		261	284	
Sand & Gravel	Gray		28	290	
Fine Sand / Silt	Gray		290	299	
Course Sand & Gravel	Gray		299	306	
Course Sand	Gray		306	313	
Clay	Gray		313	315	
Sand & Gravel	Gray		315	320	
Course Sand & Gravel	Gray		320	390	
Clay w/ Gravel	Gray		390	397	
Coal/Shale	Blk/Gry		397	400	

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 31 Twp 101 Rg 54County McCookPlease mark well
location with an "X"Plugging Completion Date 2/29/2024

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW3-TH5

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 301ftHole size 8"

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

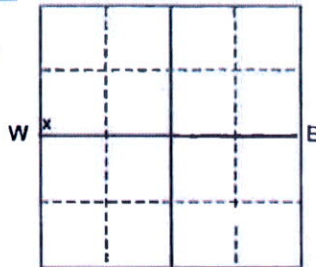
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 NW 1/4 Sec 31 Twp 101 Rg 54County McCook

North

Please mark well
location with an "X"

Well Completion Date

2/29/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotosonic

CASING DATA:

☐ Steel
 ☐ Plastic
 ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	301
		Lb/gal	FT	FT

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe
 ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes
 ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
 Lab to which water
quality sample sent for analysis _____Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	31
Clay	31	75
Clay	75	139
Sand	139	155
Clay	155	156
Fine Sand	156	160
Sandy Clay	160	165
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW3-TH5

RECEIVED

FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

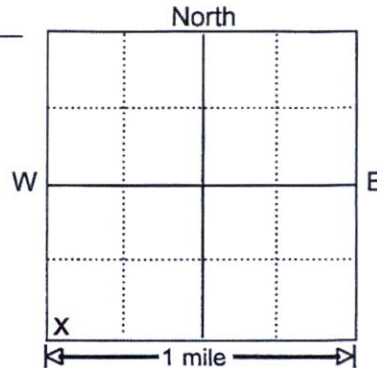
Job #	8015277	Hole #	TMW3-TH5	Unique#	
Geological formations	color	hardness	from	to	
Clay	Gray		165	175	
Fine Sand w/ Clay	Gray		175	191	
fine Sand	Gray		191	199	
Fine Sand w/ Clay	Gray		199	216	
Clay	Gray		216	258	
clay w/ Sand Seams	Gray		258	285	
Dirty Sand & Gravel	Gry/Brn		285	291	
Course Sand & Gravel	Gry/Brn		291	301	
Quartzite	Pink		301		

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 25 Twp 101 Rg 55County McCookPlease mark well
location with an "X"

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW4-TH3Plugging Completion Date 2/20/2024

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒Well depth Casing material Casing size(s) Casing condition Hole depth 250ftHole size 8"

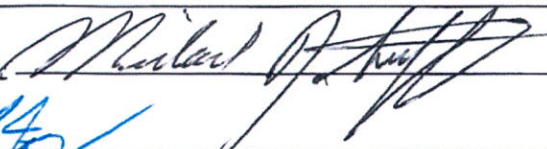
- No water profile

- 8" liner to 20'

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS BentoniteType of non-slip plug: This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & PumpSignature of Licensed Representative: Signature of Well Owner: Date:

RECEIVED

DEC 31 2024

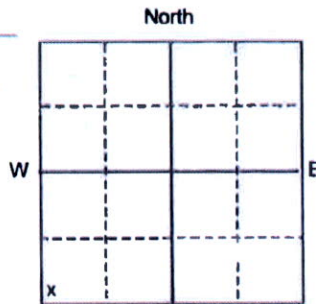
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ NW ¼ Sec 25 Twp 101 Rg 55

County McCook

Please mark well
location with an "X"

Well Completion Date

2/20/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	250
		Lb/gal	Feet	Feet

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

☐ No, Why Not?
Lab to which water
quality sample sent for analysis

Well Owner: TM Rural Water

Business Name:

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	23
Clay	23	68
Clay w/ Sand Layers	68	88
Clay	88	130
Sandy Clay	130	167
Sand	167	172
Clay	172	215
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW4-TH3

RECEIVED

FEB 05 2025

OFFICE OF

WATER

This well was drilled under license # 463 and this
report is true and accurate.

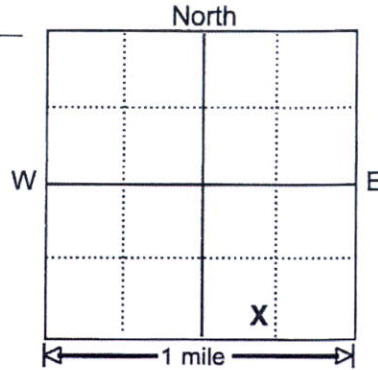
Drilling firm: Steffl Drilling & Pump

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 25 Twp 101 Rg 55County McCookPlease mark well
location with an "X"

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW6-TH4Plugging Completion Date 3/5/2024

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 350ftHole size 8"

No water sample

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

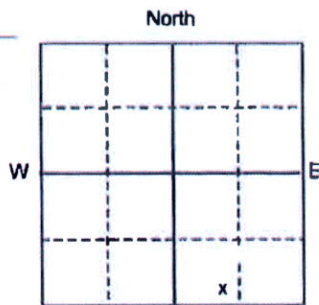
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW $\frac{1}{4}$ Se $\frac{1}{4}$ Sec 25 Twp 101 Rg 55

County McCook

Please mark well
location with an "X"

Well Completion Date

3/5/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA:

If other describe

☐ Steel ☐ Plastic ☐ Other

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	350
		Lb/gal	FT	FT

Describe grouting procedure

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: TM Rural Water

Business Name:

Address: 110 N Main Ave

City, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	40
Clay	40	142
Silty Clay	142	153
Dry Sand w/ Clay Layers	153	161
Clay	161	164
Sandy Clay	164	170
Clay	170	172
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW6-TH4

RECEIVED

FEB 05 2025

OFFICE OF
WATER

This well was drilled under license # 463 and this report is true and accurate.

Drilling firm: Steffi Drilling & Pump

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

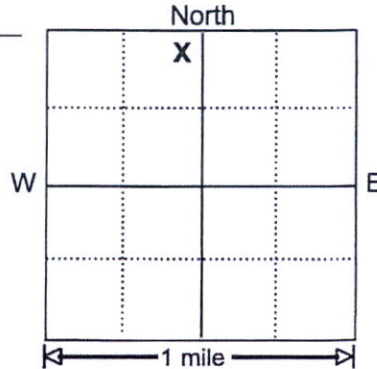
Job #	8015277	Hole #	TMW6-TH4	Unique#	
Geological formations	color	hardness	from	to	
Fine Sand	Gray		172	175	
Clay	Gray		175	216	
Dirty Sand	Gray		216	218	
Clay	Gray		218	260	
Clay w/ Sand Seams	Gray		260	267	
Clay	Gray		267	296	
Fine Sand	Brn/Gry		296	303	
Sandy Clay	Gray		303	306	
Shale	Black		306	315	
Clay w/ fine Sand Seams	Gray		315	336	
Shale	Black		336	350	

RECEIVED

FEB 05 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 12 Twp 100 Rg 56County HutchinsonPlease mark well
location with an "X"Plugging Completion Date 3/7/2024

Well Owner:

Name: TM Rural Water DistrictAddress: 110 N Main AveCity, State, Zip: Parker MN 57053

Comments:

TMW-TH6

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Casing material _____

Casing size(s) _____

Casing condition _____

Hole depth 240ftHole size 8"

Collapse hole with air backfill top of formation.

Describe plugging procedure:

Grout is trimmie piped down to the bottom & is slowly raised.

Describe grout or plugging material:

30% HS Bentonite

Type of non-slip plug: _____

This well or test hole was plugged under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

RECEIVED

DEC 31 2024

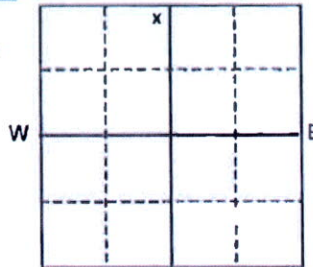
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE ¼ NW ¼ Sec 12 Twp 100 Rg 56County Hutchinson

North

Please mark well
location with an "X"Well Completion Date
3/7/2024

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotasonic

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

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

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
30% HS Bentonite		Lb/gal	0	240
		Lb/gal	FT	FT

Describe grouting procedure _____

Tremie Grouted

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____☐ No, Why Not? _____Lab to which water
quality sample sent for analysis _____Well Owner: TM Rural Water

Business Name: _____

Address: 110 N Main AveCity, State, Zip: Parker, SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay	1	18
Clay	18	149
Sand/Fine Sand/S&G	149	170
Sand/ Sand & Gravel	170	195
Sand & Gravel	195	197
Sand	197	207
Sand w/ Clay	207	210
More on next sheet		

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TMW-TH6

RECEIVED

FEB 05 2025

OFFICE OF
WATERThis well was drilled under license # 463 and this
report is true and accurate.Drilling firm: Steffl Drilling & Pump

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Agriculture and Natural Resources

Date February 26th 2025

RECEIVED OF TM Rural Water District 110 North Main Parker SD 57053

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

Fee for Application for Permit No. <u>8931-3</u> to Appropriate Water, to construct and to put water to beneficial use	\$ <u>1250.00</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>8931-3</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>1450.00</u>

By

Eric Gronlund
Chief Engineer



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

**RECOMMENDATION OF ACTING CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8931-3, TM Rural Water District**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Acting Chief Engineer, Water Rights Program, Department of Agriculture and Natural Resources concerning Water Permit Application No. 8931-3, TM Rural Water District, 110 North Main, Parker SD 57053.

The Acting Chief Engineer is recommending APPROVAL of Application No. 8931-3 because 1) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 2) the proposed use is a beneficial use and 3) 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. 8931-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner must 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 proposed well authorized by Water Permit No. 8931-3 must be constructed by a licensed well driller and construction of the well and installation of the pump must 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. The Permit holder must report to the Chief Engineer annually the amount of water withdrawn from the aquifer currently referred to as the Upper Vermillion Missouri Aquifer.
4. This Permit, Water Right No. 5608-3, and Water Permit No. 6823-3, combined, appropriate up to 2,660 acre-feet of water annually.

See report on application for additional information.

Mark Mayer, PE
Director of Office of Water
August 21, 2025

NOTE. Following completion of a study by the SD Geological Survey, the naming convention of the aquifer referred to as the Upper Vermillion Missouri Aquifer in this Permit may be modified. Renaming of the aquifer will not impact the need to report annual water use under Qualification No. 3.

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8931-3
FOR
TM RURAL WATER DISTRICT
AUGUST 21, 2025

Water Permit Application No. 8931-3 proposes to add a well and increase the diversion rate authorized by Water Right No. 5608-3 and Water Permit No. 6823-3 with no increase in permitted annual volume. Water Right No. 5608-3 and Water Permit No. 6823-3 authorize a combined diversion rate of 3.57 cubic feet of water per second (cfs) from the Upper Vermillion Missouri aquifer, with a total annual volume not to exceed 2,660 acre-feet of water per year (ac-ft/yr). The applicant is requesting an increase in diversion rate authority by an additional 3.34 cfs from the two existing wells (Wells #4 & #7), and a new well (Well #8, approximately 400 ft deep) to be completed into an aquifer that is currently referred to as the Upper Vermillion Missouri aquifer, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-T101N-R55W, with no increase in the authorized annual volume.

Water Right No. 5608-3, Water Permit No. 6823-3, and this application, if approved, will authorize a total combined diversion of 2,660 ac-ft/yr at a maximum instantaneous diversion rate of 6.91 cfs from an aquifer currently referred to as the Upper Vermillion Missouri aquifer. The water will be used for rural water system purposes supply water to users in Turner, McCook, Minnehaha, Miner, and Hutchinson Counties. This site is located approximately three miles north of Dolton, SD.

AQUIFER: currently referred to as the Upper Vermillion Missouri (UVM)

Aquifer Characteristics:

The Upper Vermillion Missouri aquifer is a Quaternary aged buried glacial outwash aquifer composed of fine to coarse sand and gravel with intermixed layers of clay (Holmes and Filipovic, 2015; Water Rights, 2025f). The Upper Vermillion Missouri aquifer has been divided into three management units: North, South, and West (Buhler, 2014). The site of the additional well (Proposed Well #8) is outside mapped areal extents of the Upper Vermillion Missouri aquifer in its original mapping (Buhler, 2012), or its newer mapping with management units (Buhler, 2014) (see Figure 1).

The newer mapping (Buhler, 2014) was based primarily on a SD DANR-Geological Survey study (Holmes and Filipovic, 2015) of the entire Upper Vermillion Missouri aquifer that was in progress when Buhler completed his 2014 report. Based on the remapping by Buhler in 2014, the 2015 Holmes and Filipovic aquifer study report, well completion reports (Water Rights, 2025f), and lithologic logs on file with the SD Geological Survey (SDGS, 2025) it was determined the most northwestern observation wells (Water Rights, 2025d), water rights/permits and future use permits (Water Rights, 2025e) as well as the western half of the 2012 Buhler mapped extent of what would become Upper Vermillion Missouri: West aquifer, may not actually be the same aquifer as the water rights/permits and observation wells within the 2014 Buhler mapped extent. This application, several other water rights/permits and two future use permits are outside the Buhler 2014 mapped extent. Currently, the South Dakota DANR-Geological Survey is conducting a study

to determine if there is a hydrologic connection between the western half of the mapped extent of Buhler's 2012 Upper Vermillion Missouri: West aquifer and the 2014 mapping and, if the northern extreme of the aquifer in the area of this application and covered by Future Use Permit No. 5358-3 as shown in Figure 1, is hydrologically connected to the portions of the aquifer to the south. Preliminary observation well water level data (Water Rights, 2025d) and lithologic data (SDGS, 2025) indicate there is some hydrologic separation between Buhler's 2014 mapping boundary and areas to the northwest of it, particularly in the west-central portion of T98N-R54W, where the jagged edge of the Upper Vermillion Missouri: West aquifer was mapped by Buhler (2014).

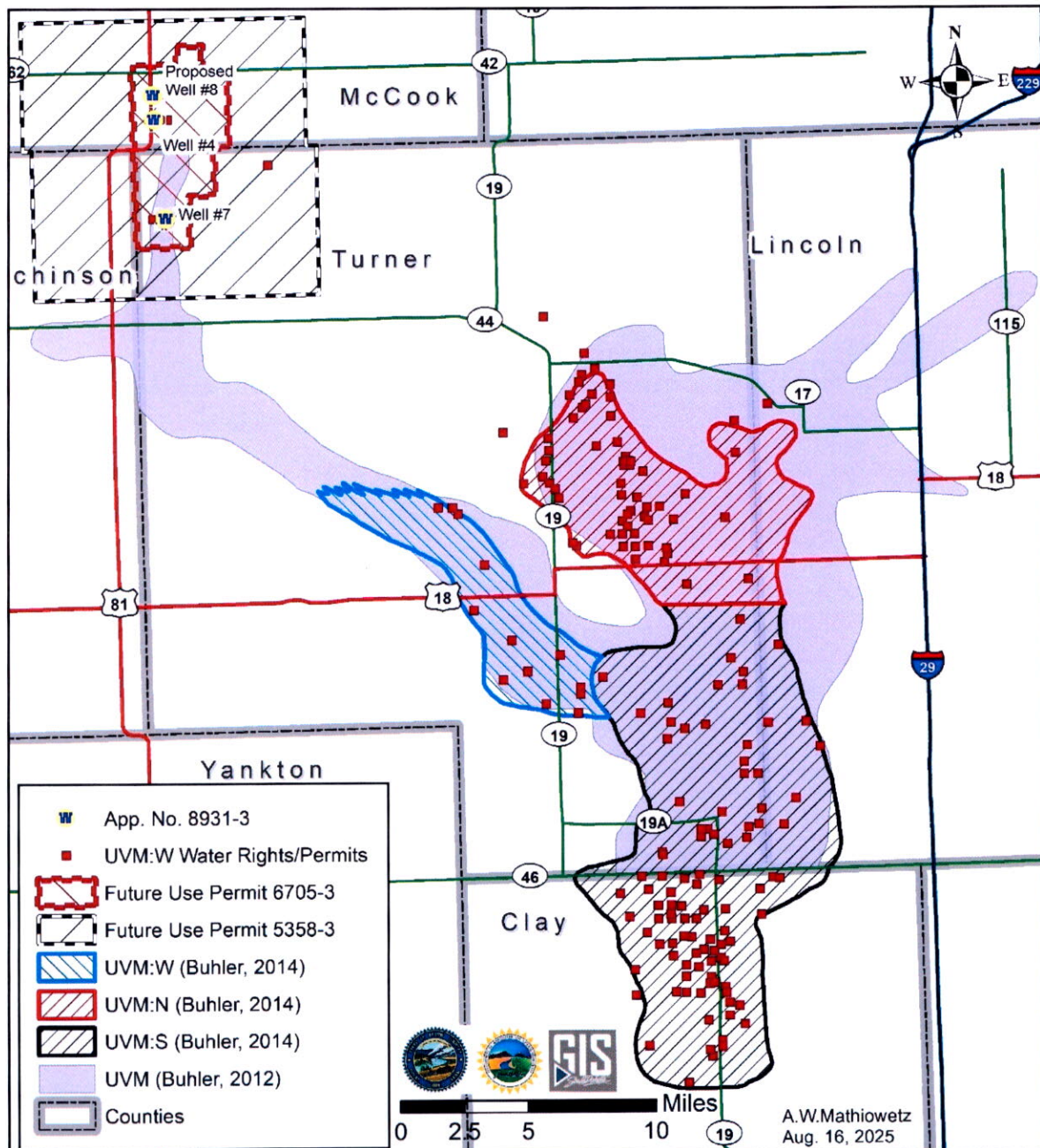


Figure 1- Upper Vermillion aquifer extent mappings, water rights/permits, and future use permit areas currently labeled as appropriating water from the Upper Vermillion Missouri aquifer or its management units (Buhler, 2012 and 2014; Water Rights, 2025e)

In the area of this application, highlighted by the boundaries for Future Use Permit Nos. 5358-3 and 6705-3, the aquifer that is currently called the Upper Vermillion Missouri aquifer has previously been identified only as the “basal-outwash aquifer” (Holly, Iles, and Barari, 1993). The mapped extent shown in the Holly, Iles, and Barari (1993) report is shown in Figure 2. The DANR-Geological Survey is currently conducting a study of the geology and hydrology of McCook County including the portion of the basal-outwash aquifer shown with a side goal of determining if there is a constriction of aquifer materials in T100N-R55W (just to the north of the southern boundary of Future Use Area 5358-3) creates a hydrologic separation from the materials further to the south and thus separate aquifers or management units.

The western branch of the Upper Vermillion Missouri aquifer from the 2012 Buhler report may actually be three distinct aquifers or management units: the 2014 Buhler Upper Vermillion Missouri: West aquifer, an aquifer or management unit extending west from Buhler’s 2014 boundary to the area of a constriction of aquifer materials in T100N-R55W (see Figure 2), and then an aquifer north of that boundary that has previously been called a portion of a basal-outwash aquifer. Since there is reliable preliminary evidence that there is a hydrologic disconnect along the jagged edge of the Upper Vermillion Missouri: West aquifer as mapped by Buhler (2014) this report will only assess and consider the water rights/permits, future use permits, observation wells, and domestic wells that are within the “UVM Area of Interest” (blue dashed boxed area) as shown in Figure 2 that are to the northwest of the 2014 Buhler Upper Vermillion Missouri: West aquifer.

A test hole log was submitted for proposed Well #8. Several layers of glacial aquifer materials (sand and gravel) were encountered: 156 to 184 feet below grade and 264 to 394 feet below grade. The lower section has several thin lenses of clay and larger rocks but is primarily composed of materials from fine sand to medium-coarse gravel. The layer from 156 to 184 feet below grade is the Dolton aquifer and the deeper layer is the targeted Upper Vermillion Missouri aquifer. Based on nearby well completion reports, the aquifer is expected to be confined at the well site for proposed Well #8 (Water Rights, 2025f).

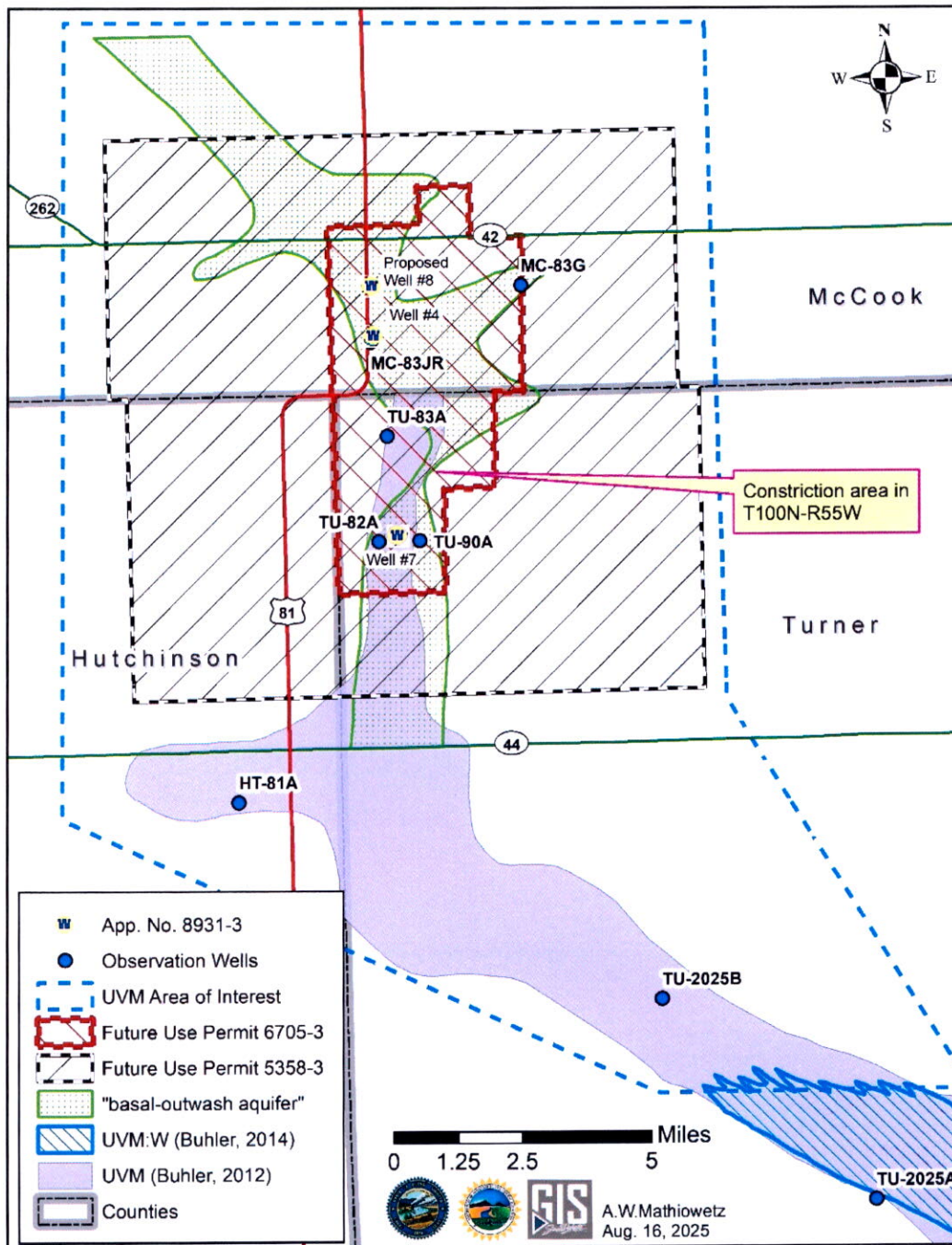


Figure 2- Upper Vermillion Missouri aquifer area of interest for Application No. 8931-3, Upper Vermillion Missouri aquifer water rights/permits including West management unit water rights permits, observation wells, and aquifer mappings (Buhler, 2012 and 2014; Holly, Iles, and Barari, 1993; Water Rights, 2025d and 2025e)

APPLICABLE SOUTH DAKOTA CODIFIED LAW (SDCL):

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.” Even though this application is not increasing the volume of water appropriated annually, this report will address the availability of unappropriated water as well as the potential for unlawful impairment of existing domestic water uses and water rights within the Upper Vermillion Missouri aquifer as previously described and within the area of interest shown in Figure 2.

The probability of unappropriated water being available from the 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. An application may be approved, however, for withdrawals of groundwater from any groundwater formation older than or stratigraphically lower than the greenhorn formation in excess of the average estimated annual recharge for use by water distribution systems.”

The Greenhorn Formation is a Cretaceous-aged formation. The Upper Vermillion Missouri aquifer is not older or stratigraphically lower than the Greenhorn Formation (Fahrenbach et al, 2010). The applicant is a water distribution system as defined by SDCL 46-1-6(17). Therefore, the balance between recharge to and withdrawals from the Upper Vermillion Missouri aquifer must be considered. However, this application is not requesting, nor would it authorize, if approved, an increase in annual volume of water appropriated. Thus, the water this application would authorize the pumping of has already been appropriated and accounted for. However, a discussion of recharge and withdrawals from the aquifer will be included for the information of the Chief Engineer and the Water Management Board.

WATER AVAILABILITY:

Hydrologic Budget:

Recharge:

Holly, Iles, and Barari (1993) did not identify a source of recharge to the basal-outwash aquifer. Holmes and Filipovic (2015), Kilts (2023), and Lindgren and Hansen (1990) identified recharge sources to the Upper Vermillion Missouri: West aquifer, the branch just northwest of the Upper Vermillion Missouri aquifer, and the entirety of the Upper Vermillion Missouri aquifer that Buhler (2012) used for his initial delineation of the aquifer, respectively. Recharge to the aquifer comes from leakage from fractures in the Sioux Quartzite, outflow from adjacent portions of the Niobrara aquifer, and likely outflow from adjacent portions of the Cretaceous Undifferentiated formation that is transmissive enough to store and allow for the movement of water. Since the aquifer that is currently designated as Upper Vermillion Missouri aquifer within the area of interest shown in Figure 2 is not near land surface and has at least one area overlain by another glacial aquifer, it is unlikely there is direct infiltration of precipitation, but there may be seepage from the overlying Dolton aquifer.

There has been no specific recharge rate estimated for this portion of the Upper Vermillion Missouri aquifer. Buhler (2014) calculated a “groundwater outflow” rate from the southeastern

end of the Upper Vermillion Missouri: West aquifer (see Mathiowetz, 2023 report for details). However, the likely hydrologic disconnect between the Upper Vermillion Missouri: West aquifer and the portion of the currently designated Upper Vermillion Missouri aquifer the applicant proposes to use, it is not reasonable to use that estimate. Hedges and others (1985) estimated a recharge rate range of 0.15 to 0.6 inches per year for recharge rate to buried confined aquifers like this one. However, considering the rough and slightly contradicting nature of the current delineations, the fact the study area for the “basal-outwash aquifer” created a north and south boundary that show the aquifer likely extends beyond the study area, the lack of much specific hydrogeologic study of the aquifer, particularly in McCook County, and the ongoing DANR-Geological Survey studies of the aquifer and the area, it is not reasonable to estimate areal extent beyond what is currently published. Therefore, it is not advisable to estimate a recharge rate to the aquifer at this time.

Discharge:

Discharge from the aquifer likely occurs by outflow to adjacent and hydrologically connected aquifers and formations and well withdrawals (Water Rights, 2025d and 2025e). Table 1 lists the four active water rights/permits and the two future use permits for the aquifer this application proposes to use. There are also domestic wells completed into the Upper Vermillion Missouri aquifer in this area (Water Rights, 2025f). However, due to limited diversion rates, shallower aquifers in some areas, and the presence of rural water systems, it is unlikely domestic wells contribute a significant amount to the withdrawals from the aquifer compared to appropriative users. Table 2 shows the reported annual pumping by TM Rural Water District under Water Right No. 5608-3 and Water Permit No. 6823-3 (Water Rights, 2025c). The average annual reported pumpage, 815.6 ac-ft/yr, is much less than the permitted volume, 2,660 ac-ft/yr.

Table 1- Water rights/permits and future use permits within the portion of what is currently designated as the Upper Vermillion Missouri aquifer that Application No. 8931-3 proposes to use (Water Rights, 2025e)

Permit No.	Name	County	Priority Date	Status	Use	CFS	Acres	Permitted Vol. (ac-ft/yr)
4747-3A	Brian W Schmidt	TU	04/27/1981	LC	IRR	0.89	110	n/a
4752-3	Todd M & Merlyn Hofer	TU	05/01/1981	LC	IRR	1.78	186	n/a
5608-3	TM Rural Water District	MC	10/11/1989	LC	RWS	1.34	n/a	970
6823-3	TM Rural Water District	TU	03/13/2006	PE	RWS	2.23	n/a	1,690
Total						6.24	296	2,660
5358-3	TM Rural Water District	TU	10/11/1989	FU	RWS	n/a	n/a	530
6705-3	TM Rural Water District	TU	03/13/2006	FU	RWS	n/a	n/a	210
Total							740	
TU= Turner, MC = McCook, LC= Water Right, PE= Water Permit, IRR= Irrigation, RWS= Rural Water System								

Table 2- Reported pumpage under Water Right No. 5608-3 and Water Permit No. 6823-3 (Water Rights, 2025c)

Year	Pumpage (ac-ft)
2008	776
2009	950
2010	1184
2011	1146
2012	816
2013	1098
2014	1063
2015	914
2016	861
2017	881
2018	706
2019	496.5
2020	523.4
2021	748
2022	576
2023	586.7
2024	539.8
Avg.	815.6

Table 3 shows the average of the historically reported irrigation pumpage by the two active permits, Water Right Nos. 4747-3A and 4752-3. This also includes the average across the last 10 years of available reports and a specific earlier ten-year period for Water Right No. 4752-3. This earlier period was calculated because in recent years (2021-2023) Water Right No. 4752-3 has reported not pumping any water due to well issues and enrollment of some of the permitted acres into CRP land. The consideration of reported irrigation pumpage across the last 10 years was done because it best represents the likely pumpage going forward by accounting for updates and changes to wells, irrigation systems, crop hybrids, land use, and climatic conditions. Specifically for Water Right No. 4752-3, it is more reasonable to use the 2011 to 2020 average to account for the fact there have been well issues that prevented irrigation in years that Water Right No. 4747-3A, located approximately five miles to the southwest did report irrigating. Both water rights typically irrigated or did not irrigate on the same years, likely due to precipitation.

Hydrologic Budget:

At this time, it is not reasonable to estimate an average annual recharge rate to the aquifer. The estimated average annual withdrawal plus future use reservations are shown in Table 4. The estimated average annual withdrawal by the irrigation permits plus appropriated volume for the existing TM Rural Water District and future use reservation are also shown in Table 4. This application does not request an increase in authorized annual volume. However, the proposed increase in diversion rate, combined with a new well, will likely increase the average annual withdrawals beyond the volume historically diverted under Water Right No. 5608-3 and Water Permit No. 6823-3.

Table 3- Average reported irrigation pumping under Water Right Nos. 4747-3A and 4752-3 (Water Rights, 2025b)

Permit No.	Avg. Reported	Period Reported	Recent Avg.	Period Reported	Comments
	ac-ft/yr		ac-ft/yr		
4747-3A	27.1	1996-2024	40.7	2015-2024	Unclear and mixed reporting with Incorporated Permit No. 4747-3 from 1984-1995
4752-3	39.4	1981-2024	10.3	2015-2024	Includes six 0 ac-ft years
			29	2011-2020	Last 10 years of active pumping prior to well issues and enrollment in CRP

Table 4- Average annual reported use plus future use reservation and Average annual use plus permitted volumes plus future use reservation (Water Rights, 2025b, 2025c, and 2025e)

User	Use Type	Average Annual Use (ac-ft/yr)	Avg. Annual Use plus Permitted Vol. (ac-ft/yr)
4747-3A	IRR	40.7	40.7
4752-3	IRR	29	29
5608-3 & 6823-3	Non-IRR	815.6	2,660
<i>sub-total</i>		885.3	2,729.8
5358-3	FU	530	530
6705-3	FU	210	210
<i>sub-total</i>		740	740
Grand Total		1,625.3	3,469.7

IRR= Irrigation, FU= Future Use

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that the Water Management Board shall rely upon 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 average annual recharge of the aquifer.

The DANR-Water Rights Program monitors seven observation wells labeled as completed into the aquifer referred to as the Upper Vermillion Missouri aquifer within the area of interest shown in Figure 2 (Water Rights, 2025d). The hydrographs for these observation wells are shown in Figure 3. There are several distinct shapes to the water levels for these observation wells. The hydrographs for TU-82A and TU-90A show a distinct lowering of water level starting in 2007 followed by a relative stabilization of water level starting in 2012. These 2 wells are within 0.5 miles of TM Rural Water District Well #7 and 1 mile of the well authorized by Water Right No. 4752-3 (Water Rights, 2025c and 2025d). The lowering of the water level is likely to due to a change in pumping regime at Well #7 lowering the artesian head pressure in the observation well until it stabilized in relation to the withdrawals from the nearby appropriative wells. The remainder of the observation

wells show a relatively stable water level with “step-downs” followed by the stabilization of artesian head pressure water levels. These changes appear to line up with changes in local pumping patterns.

A few issues with several of these observation wells must be noted. Observation wells TU-90A and TU-82A ceased to be actively measured in 2022 due to the presence of iron bacteria in the wells. Observation well MC-83JR ceased being measured in 2022 due to the presence of iron bacteria in the well except for an accidental reading in 2025. The inconsistent water levels starting in 2008 and particularly after 2015 are suspect and likely caused more by iron bacteria than the close proximity, approximately 700 feet, than pumping by TM Rural Water District Well #4. Iron bacteria in an observation well causes a “caking” of material at the water level preventing accurate and consistent readings. Furthermore, it is easy to transmit the bacteria to subsequently measured wells even with careful sanitization of the measuring equipment.

In general, the observation well data shows the water levels in the aquifer stabilize after increased pumping in nearby appropriative wells reduces the amount of artesian head pressure available at that site. This means average annual recharge to the aquifer exceeds the current average annual pumpage plus natural discharge from the aquifer. Observation well water levels don’t account directly for future use reservations because the reserved water is not actually being pumped. There are some, although relatively minimal, fluctuations of water levels related to increases and decreases in annual precipitation. This supports that recharge is in excess of withdrawals and natural discharges from the aquifer.

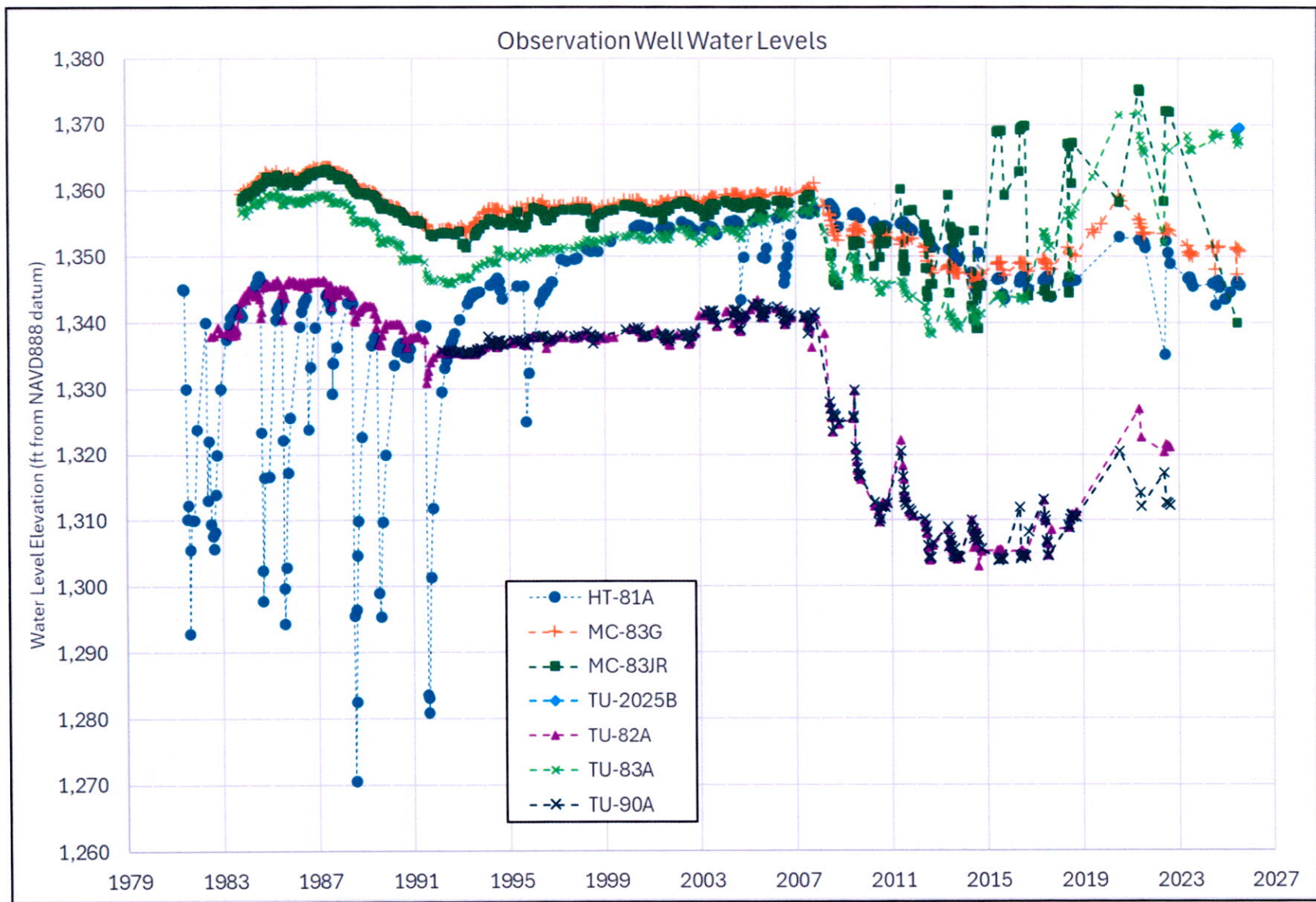


Figure 3- Hydrographs of observation wells labeled as completed into the aquifer referred to as the Upper Vermillion Missouri aquifer within the area of interest shown in Figure 2 (Water Rights, 2025d)

POTENTIAL FOR UNLAWFUL IMPAIRMENT OF EXISTING WATER RIGHTS:

Table 5 shows the distance between Water Right No. 4747-3A and Water Permit No. 4752-3 and the two existing wells and the proposed well Application No. 8931-3 intends to use (Water Rights, 2025e). There are wells authorized under permits held by the applicant that are closer to the wells proposed to be used.

Table 5- Distance and direction between wells proposed for use by Application No. 8931-3 and water rights completed into the Upper Vermillion Missouri aquifer proposed for use (Water Rights, 2025e)

Permit No.	Well #7	Well #4	Proposed Well #8
4747-3A	0.5 miles south	3.9 miles south	4.8 miles south
4752-3	4.5 miles southwest	4.8 miles northwest	5.2 miles northwest

There are no domestic wells on file with the Water Rights Program that appear to be completed into the portion of what is currently referred to as the Upper Vermillion Missouri aquifer within approximately 2.5 miles of TM Rural Water District Well #4 and 3.6 miles of proposed Well #8 (Water Rights, 2025f). There are 3 domestic wells on file with the Water Rights Program that may be completed into this portion of the Upper Vermillion Missouri aquifer within approximately 1.5 miles of Well #7, with the closest approximately 1.1 miles southwest (Water Rights, 2025f). The locations of domestic wells are based on the location provided by the well driller on the water well completion report. The locations as filed with the Water Rights Program are not exact locations. It is possible there are other domestic use wells completed into the same aquifer as the wells the applicant proposes to use or construct in the area not on file with the Water Rights Program.

The Upper Vermillion Missouri aquifer is under confined conditions at the applicant's proposed well site (Water Rights, 2025f). Since the aquifer is confined, drawdown can extend some distance from a well. However, the exact drawdown behavior cannot be determined without an aquifer performance test. The Water Management Board recognizes that putting water to beneficial use requires a certain amount of drawdown to occur. The Board has promulgated 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 (Water Rights, 1995). The Board adopted the Findings of Fact 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).

Observation well TU-82A is within 0.4 miles of TM Rural Water District Well #7 and the well authorized by Water Right No. 4747-3A and observation well TU-90A is 0.4 miles of Well #7 (see Figure 2). Observation well MC-83JR is approximately 700 ft from TM Rural Water District Well #4. The hydrographs for these observation wells show there is at least 130 to 135 feet of artesian head pressure above the top of the aquifer in TU-80A and TU-90 and approximately 30 ft of artesian head pressure above the top of the aquifer in MC-83JR at their respective lowest recorded water levels. There has been a history of concerns regarding pumping by rural water systems lowering water levels in the area of this application, particularly TM Rural Water District and Hansen RWS Inc (Water Rights, 2025a and 2025e). However, the aquifer which was affected and generated complaints was the overlying Dolton aquifer. There have been no complaints filed regarding the basal glacial aquifer currently referred to as the Upper Vermillion Missouri aquifer (Water Rights, 2025a).

While precise drawdown cannot be determined without aquifer performance testing, any drawdown created by pumping the existing wells or the proposed well at the proposed diversion rate is not expected to cause unlawful impairment of adequate appropriative or domestic wells. However, some well owners may need to lower their pumps to account for increased drawdown. Considering the laws and rules, artesian head pressure in the aquifer, saturated thicknesses generally greater than 40 ft (Water Rights, 2025d and 2025f), the observation well water level data, and the lack of complaint history regarding well interference, there is a reasonable probability the additional well and increase of diversion rate proposed by Application No. 8931-3 will not unlawfully impair appropriative users with adequate wells or adequate domestic wells.

CONCLUSIONS:

1. Water Permit Application No. 8931-3 proposes to add a well and increase the diversion rate authorized by Water Right No. 5608-3 and Water Permit No. 6823-3 with no increase in permitted annual volume. Water Right No. 5608-3 and Water Permit No. 6823-3 authorize a combined diversion rate of 3.57 cfs from the Upper Vermillion Missouri aquifer, with a total annual volume not to exceed 2,660 acre-feet of water per year (ac-ft/yr). The applicant is requesting an increase in diversion rate authority by an additional 3.34 cfs from the two existing wells (Wells #4 & #7), and a new well (Well #8, approximately 400 ft deep) to be completed into an aquifer that is currently referred to as the Upper Vermillion Missouri aquifer, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-T101N-R55W, with no increase in the authorized annual volume.
2. Water Right No. 5608-3, Water Permit No. 6823-3, and this application, if approved, will authorize a total combined diversion of 2,660 ac-ft/yr at a maximum instantaneous diversion rate of 6.91 cfs from an aquifer currently referred to as the Upper Vermillion Missouri aquifer. The water will be used for rural water system purposes supply water to users in Turner, McCook, Minnehaha, Miner, and Hutchinson Counties. This site is located approximately three miles north of Dolton, SD.

3. The observation well data shows there is a reasonable probability average annual recharge to the aquifer exceeds the current average annual withdrawals plus natural discharge from the aquifer.
4. There is a reasonable probability development of Application No. 8931-3 will not unlawfully impair appropriative users with adequate wells or adequate domestic wells.
5. Ongoing studies of the basal glacial aquifer Application No. 8931-3 proposes to use and other nearby hydrogeology by the DANR-Geological Survey and review of currently available information shows it is likely this portion of the Upper Vermillion Missouri aquifer, as it is currently referenced, is likely a different aquifer than the Upper Vermillion Missouri aquifer management units to the southeast. However, the current aquifer naming convention will be used until such time as the studies are completed.



Adam Mathiowetz, PE
SD DANR-Water Rights Program

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- Water Rights. 1995. Water Rights File No. 2313-2 Coca-Cola Bottling Company of the Black Hills. SD DANR-Water Rights Program. Pierre, SD.

Dewell, Amanda

From: Cullen Kohles <cullenk@bannerassociates.com>
Sent: Thursday, April 17, 2025 2:43 PM
To: Dewell, Amanda
Cc: Mathiowetz, Adam (DENR); Duvall, Ron
Subject: RE: [EXT] TM Rural Water Applications

No problem I will get that over to you shortly.

Cullen Kohles, PE | Project Engineer

Banner Associates, Inc. | Vermillion, SD
Toll Free | 1.855.323.6342
Direct Dial | 605.696.9124 Cell | 605.661.8053
www.bannerassociates.com

From: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Sent: Thursday, April 17, 2025 2:40 PM
To: Cullen Kohles <cullenk@bannerassociates.com>
Cc: Mathiowetz, Adam (DENR) <Adam.Mathiowetz@state.sd.us>; Duvall, Ron <Ron.Duvall@state.sd.us>
Subject: RE: TM Rural Water Applications

Ok, Well 7 was not included on the map submitted with the UVM application. Could you please send a new UVM app map identifying Wells 4, 7, and 8?

Amanda Dewell
DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



From: Cullen Kohles <cullenk@bannerassociates.com>
Sent: Thursday, April 17, 2025 2:34 PM
To: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Cc: Mathiowetz, Adam (DENR) <Adam.Mathiowetz@state.sd.us>; Duvall, Ron <Ron.Duvall@state.sd.us>
Subject: RE: [EXT] TM Rural Water Applications

Amanda,

The information for the Dolton application is correct.

The UVM application is mostly correct except the WP No. 6823-3 information. One well (Well 7) was constructed with this permit in the SW1/4SW1/4 Sec20 T101N-R55W, Well 6 in SW ¼ SE ¼ Sec 25 T101N-R55W was not constructed. The total diversion rate for Well 4 and Well 7 is 1600gpm.

Thank you,

Cullen Kohles, PE | Project Engineer
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From: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Sent: Thursday, April 17, 2025 2:25 PM
To: Cullen Kohles <cullenk@bannerassociates.com>
Cc: Mathiowetz, Adam (DENR) <Adam.Mathiowetz@state.sd.us>; Duvall, Ron <Ron.Duvall@state.sd.us>
Subject: RE: TM Rural Water Applications

Cullen,

I know we've discussed it in great length, but could you please confirm in an email response that the information I've outlined below is correct. Once that is done, our Program will begin processing the applications accordingly.

DOLTON

WR No. 4988-3 & WP No. 7274-3 authorizes a total of 1103 ac-ft @ 3.34 cfs (1500 gpm) from Wells 1, 2, and 3. With this application, TM will be requesting to change one of the diversion points from Well 3 (SW ¼ NW ¼ Sec 31-T101N-R54W) to Well 9 (N ½ Sec12-T100N-R56W), increase the rate of diversion from 1500 gpm to 2000 gpm, with no increase to the 1103 ac-ft total annual volume of water being withdrawn from the Dolton Aquifer, and expand the FU area authorized under 5072-3 to include the N ½ Sec12-T100N-R56W.

UVM

WR No. 5608-3 & WP No. 6823-3 authorizes a total of 2660 ac-ft @ 3.57 cfs (1600 gpm) from Well 4 (SW ¼ SW ¼ Sec 25-T101N-R55W). WP No. 6823-3 authorized construction of up to two addt'l wells in the SW ¼ SW ¼ Sec 20 and SW ¼ SE ¼ Sec 25; all in T101N-R55W. However, based on yesterday's conversation, it is my understanding that those wells were not constructed.

With this application, TM will be requesting to add an additional diversion point Well 8 (SW ¼ SW ¼ Section 24-T101N-R55W) and increase the rate of diversion from 1600 gpm to 3100 gpm, with no increase to the 2660 ac-ft total annual volume of water being withdrawn from the UVM.

Thank you,

Amanda Dewell
DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



From: Cullen Kohles <cullenk@bannerassociates.com>
Sent: Thursday, April 17, 2025 1:09 PM
To: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Cc: Mathiowetz, Adam (DENR) <Adam.Mathiowetz@state.sd.us>; Duvall, Ron <Ron.Duvall@state.sd.us>
Subject: [EXT] TM Rural Water Applications

Amanda,

First of all, thanks for meeting with us yesterday to discuss both of these applications. Based on our conversations yesterday the new diversion rates for each well are listed below.

- Well 8 (UVM well) – Diversion rate of 1500gpm.
- Well 9 (Dolton well) – Diversion rate of 500gpm.

Thank you,

Cullen Kohles, PE | Project Engineer



Banner Associates, Inc.

10 Austin St, Ste 101, Vermillion, South Dakota 57069

Toll Free | 1.855.323.6342 Direct Dial | 605.696.9124

Cell | 605.661.8053

www.bannerassociates.com



Confidentiality Notice: This E-Mail (including attachments) is covered by the Electronic Communications Privacy Act, 18 U.S.C. & 2510-2524, is confidential and may be legally privileged. If you are not the intended recipient, you are hereby notified that any retention, dissemination, or copying of this communication is strictly prohibited. Please reply to the sender that you have received the message in error, and permanently delete the original and destroy any copy, including written (printed) copies of this email and any attachments thereto. Thank You.



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

February 28, 2025

Cullen Kohles
Banner Associates Inc
10 Austin St Ste 101
Vermillion SD 57069

Mr. Kohles,

As requested by email on February 28, 2025, pursuant to South Dakota Well Construction Standard 74:02:04:21, you are authorized on behalf of your client TM Rural Water District to construct a test well prior to approval of a water permit. The test well will be located in the SW ¼ SW ¼ Section 24-T101N-R55W in McCook County. The target total well depth is approximately 400 feet. Any test well or test hole must be constructed by an SD Licensed Well Driller in accordance with the SD Well Construction Standards. Any test holes or test wells that are abandoned must be plugged pursuant to the SD Well Construction Standards.

Authorization must be obtained before water from the well can be used in excess of domestic use as defined by South Dakota Codified Law 46-1-6(7) or for uses other than domestic use. All test or permanent wells to be constructed under this test well permission must be constructed using the methods described in Administrative Rule of South Dakota (ARSD) 74:02:04:28. Approval of this test well does not assure issuance of a water permit. Following review of a Water Permit Application and assessing the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of a permit, the Chief Engineer will make a recommendation to the Water Management Board regarding the application. The recommendation to approve, deny, or defer the application will be publicly noticed and an opportunity afforded for the public to intervene. A public hearing may be required to consider the water permit. If you have questions regarding permitting, please call Amanda Dewell at (605) 773-3352.

Sincerely,

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

CC: TM Rural Water District, 110 North Main, PO Box 445, Parker, SD 57053

Rodriguez, Rachel

From: Dewell, Amanda
Sent: Thursday, February 20, 2025 11:28 AM
To: Gronlund, Eric; Duvall, Ron; Mathiowetz, Adam (DENR)
Cc: Rodriguez, Rachel
Subject: TM RWD

Cullen Kohles, with Banner Associates has reached out with applications for TM. We're currently engaged in clarifying emails but I would expect them to be on Rachel's desk by tomorrow.

At present they are looking to place all 66 ac-ft under FU No. 5072-3 to beneficial use (they will need to amend to expand the FU area). Relocate Well #3 authorized by 4988-3, which as I understand it, will also be used for 5072-3, and place the remaining 530 ac-ft and 210 ac-ft held under FU Nos. 5358-3 & 6705-3, respectively, to beneficial use, from a shared diversion point.

Amanda Dewell

DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



Dewell, Amanda

From: Dewell, Amanda
Sent: Thursday, February 20, 2025 1:31 PM
To: Cullen Kohles
Subject: RE: [EXT] TM Rural Water District

Cullen,

With your responses, Water Rights can update the Dolton application to add an additional amended to 5072-3, expanding the FU area to include the new Well #3 location. I will send these on to our Program Assistant to receipt in and our office will begin the review.

Thank you,

Amanda Dewell
DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



From: Cullen Kohles <cullenk@bannerassociates.com>
Sent: Thursday, February 20, 2025 1:22 PM
To: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Subject: RE: [EXT] TM Rural Water District

Hi Amanda,

See below in red for my responses.

Thank you,

Cullen Kohles, PE | Project Engineer
Banner Associates, Inc. | Vermillion, SD
Toll Free | 1.855.323.6342
Direct Dial | 605.696.9124 Cell | 605.661.8053
www.bannerassociates.com

From: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Sent: Thursday, February 20, 2025 11:22 AM
To: Cullen Kohles <cullenk@bannerassociates.com>
Subject: RE: TM Rural Water District

Cullen,

You are correct, I apologize I had not gotten that far in the review. The fees for 740 acre-feet would remain \$1450. In your previous email you noted a diversion rate of 735 gpm but the application lists 800 gpm, which will you be

going with? The rate of diversion does not affect the fee schedule. – Sorry I about, that lets keep the diversion rate at the 800gpm listed in the application.

At present, Future Use Permit No. 5072-3 (Dolton) has a future use area described as the SW ¼ Section 25, T101N, R55W. If the 66 ac-ft are going to be obtained from the new Well #3 location (NW ¼ NW ¼ 12-100N-56W), TM would also need to amend 5072-3 to expand the FU area to include the NW ¼ 12-100-R56W. That can be done on the same application. If the new Well #3 location is intended to be a shared diversion point for 5072-3 & 4988-3, what is the diversion rate that would need to be assigned to each? – I can update the application to reflect the new location. The diversion rate for 5072-3 is 68gpm and for 4988-3 it will be 532gpm. However the total diversion rate for all three wells (Well 1, 2, and the new 3) will be 1567gpm.

What will happen to the well at the current Well #3 location? – The current Well #3 will be abandoned and plugged.

Thank you,

Amanda Dewell
DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



From: Cullen Kohles <cullenk@bannerassociates.com>
Sent: Thursday, February 20, 2025 10:02 AM
To: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Subject: RE: [EXT] TM Rural Water District

Hi Amanda,

Thank you for the clarification. For the UVM application I believe they have a future use permit with 740 acre-feet remaining, which would put them at 735 gpm. So can we use 740 acre-feet as the volume request. I can update the sheet if needed.

Thank you,

Cullen Kohles, PE | Project Engineer
Banner Associates, Inc. | Vermillion, SD
Toll Free | 1.855.323.6342
Direct Dial | 605.696.9124 Cell | 605.661.8053
www.bannerassociates.com

From: Dewell, Amanda <Amanda.Dewell@state.sd.us>
Sent: Wednesday, February 19, 2025 5:00 PM
To: Cullen Kohles <cullenk@bannerassociates.com>
Subject: RE: TM Rural Water District

Hey Cullen, thanks for reaching out.

- 1) Yes, I can accept these applications as you've submitted them.
- 2) Dolton application would be \$700

FEE. According to South Dakota statutes, the following filing fees are to be submitted with each application:

*First 120 acre feet per year or for irrigating first 60 acres: \$500.00

Second 120 acre feet or second additional 60 acres: \$250.00

Each additional 120 acre feet or each additional 60 acres: \$100.00

Fee for final inspection/licensing of an approved application: \$200.00

(If your application is approved, a licensing inspection will be completed following development of your water use project. Issuance of a water license is the final step in obtaining a water right in South Dakota.)

Example: Filing fee for irrigating 160 acres would be \$850.00 plus the \$200.00 inspection/licensing fee for a total of \$1,050.00.

- The number of acre-feet being requested by the UVM application would need to be determined. Typically, Water Rights suggests 60%, operating at the maximum pump rate, however that is ultimately the decision of the applicant. At 800 gpm, pumping 24/7/365, you'd be at 1290 ac-ft annually. 60% of that would be 774 ac-ft, costing \$1450.

Please let me know if you would like me to print the attachments and "receipt them in" or if you'd like to wait until a determination on the volume to be requested under the UVM app is made. Fees can be made in the form of a check, payable to SD Water Rights, mailed to:

DANR-Water Rights
523 E Capitol Ave
Pierre SD 57501

Or by calling our Fiscal Office @ 605-773-5559 and submitting payment over the phone (I believe there is a CCard processing fee associated with that option).

Amanda Dewell
DANR - Water Rights Program
Permitting Administrator
Main Phone: 605 773-3352
Website: danr.sd.gov



From: Cullen Kohles <cullenk@bannerassociates.com>

Sent: Wednesday, February 19, 2025 3:24 PM

To: Dewell, Amanda <Amanda.Dewell@state.sd.us>

Subject: [EXT] TM Rural Water District

Hi Amanda,

I will be submitting the following applications in the link below for Permit to Appropriate Water in South Dakota for TM Rural Water District and had a few questions.

- Do you accept emailed applications or does this need to be mailed?
- Second question is in regards to the fee. If my math is correct the fee for the Dolton application would be \$1125 and the UVM application would be \$1425. Just wanted to make sure before making payment.

 [Water Rights](#)

Thank you,

Cullen Kohles, PE | Project Engineer



Banner Associates, Inc.

10 Austin St, Ste 101, Vermillion, South Dakota 57069

Toll Free | 1.855.323.6342 Direct Dial | 605.696.9124

Cell | 605.661.8053

www.bannerassociates.com



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**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.**

August 27, 2025

TM Rural Water District
c/o Cullen Kohles
110 North Main Avenue
Parker SD 57053

Dear Mr. Kohles:

Water Permit Application No. 8931-3 for rural water system use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the following newspapers:

•Freeman Courier, Freeman SD	605-925-7033
•New Era, Parker SD	605-297-4419
•The Special, Salem SD	605-425-2361
•Miner County Pioneer, Howard SD	605-772-5644
•Argus Leader, Sioux Falls SD	See attached contact information

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 Acting 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,

Rachel Rodriguez

Rachel Rodriguez
Water Rights Program
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Acting 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.

NOTICE OF APPLICATION NO. 8931-3 to Add a Well and Increase Pump Rate

Notice is given that TM Rural Water District, 110 North Main Avenue, Parker SD 57053, has filed an application for a water permit to add a well and increase the rate of diversion authorized by Water Right No. 5608-3 and Permit No. 6823-3 with no increase in the permitted annual volume. Water Right No. 5608-3 and Permit No. 6823-3 authorize a combined diversion of 3.57 cubic feet of water per second (cfs) from the Upper Vermillion Missouri Aquifer, with a total annual volume not to exceed 2,660 acre-feet of water. The applicant is requesting an increase in diversion rate authority by an additional 3.34 cfs from two existing wells (Well # 4 & Well #7), and one new well (Well #8) to be completed into an aquifer currently referred to as the Upper Vermillion Missouri Aquifer (approximately 400 ft deep), located in the SW ¼ SW ¼ Section 24-T101N-R55W, with no increase to the annual volume. Water Right No. 5608-3, Permit No. 6823-3, and this application, if approved, will authorize a total combined diversion of 2,660 acre-feet of water annually, at a maximum diversion rate of 6.91 cfs from the aquifer currently referred to as the Upper Vermillion Missouri Aquifer. The water will be used for rural water purposes supplying water users in Turner, McCook, Minnehaha, Miner, and Hutchinson counties. This site is located approximately three miles north of Dolton SD.

Pursuant to SDCL 46-2A-2, the Acting Chief Engineer recommends APPROVAL of Application No. 8931-3 because 1) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 2) the proposed use is a beneficial use and 3) it is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board. The Acting 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 Acting Chief Engineer. A petition opposing the application shall be filed on a form provided by the Acting Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Acting Chief Engineer. The Acting 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 Acting 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 September 15, 2025.

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 Acting Chief Engineer. The comment shall be filed on a form provided by the Acting Chief Engineer and is available online at <https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Acting 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 September 15, 2024.

If the applicant does not contest the recommendation of the Acting Chief Engineer and no petition to oppose the application is received, the Acting 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_

Rodriguez, Rachel

From: Gannett Legals Public Notices 4 <ganlegpubnotices4@gannett.com>
Sent: Wednesday, August 27, 2025 9:03 AM
To: Rodriguez, Rachel
Cc: jay.jorgensen tmruralwater.com
Subject: RE: [EXT] 11616663 8931-3 TM Rural Water District - Public Notice
Attachments: 11616663.pdf

Good Morning,

Please find your order confirmation and proof of ad attached.

Your ad is set to run in the Argus Leader on September 4. The order cost is \$70.30 which includes an affidavit, that will be mailed to you 7-10 business days after the last day of the ad printing.

Your notice is scheduled to run per your request and will publish unless you reply to this email requesting changes or to cancel.

Our invoicing is done on a monthly basis.

You will receive an invoice for this ad after the close of the month.

All orders are subject to a non-refundable 3.99% service fee. As an incentive for customers, we provide a discount off the order cost equal to the 3.99% service fee if you pay by ACH. Pay by ACH and Save! Final order cost provided at time of payment and via a receipt.

Thank you!

Brittany Grady
Public Notice Representative



Office: 844-254-5287

From: Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us>
Sent: Wednesday, August 27, 2025 8:49 AM
To: SFA-Legals mbx <allegals@gannett.com>
Cc: jay.jorgensen tmruralwater.com <jay.jorgensen@tmruralwater.com>
Subject: 11616663 8931-3 TM Rural Water District - Public Notice

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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



Order Confirmation

Not an Invoice

Account Number:	1248655
Customer Name:	Tm Rural Water
Customer Address:	Tm Rural Water Po Box 445 Parker SD 57053-0445
Contact Name:	TM RURAL WATER
Contact Phone:	
Contact Email:	
PO Number:	

Date:	08/27/2025
Order Number:	11616663
Prepayment Amount:	\$ 0.00

Column Count:	1.0000
Line Count:	201.0000
Height in Inches:	22.1200

Print

Product	#Insertions	Start - End	Category
SFA Sioux Falls Argus Leader	1	09/04/2025 - 09/04/2025	Public Notices
SFA argusleader.com	1	09/04/2025 - 09/04/2025	Public Notices

As an incentive for customers, we provide a discount off the total order cost equal to the 3.99% service fee if you pay with Cash/Check/ACH. Pay by Cash/Check/ACH and save!

Total Cash Order Confirmation Amount Due	\$70.30
Tax Amount	\$0.00
Service Fee 3.99%	\$2.80
Cash/Check/ACH Discount	-\$2.80
Payment Amount by Cash/Check/ACH	\$70.30
Payment Amount by Credit Card	\$73.10

Order Confirmation Amount	\$70.30
----------------------------------	----------------

Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 8:49 AM
To: legals@argusleader.com
Cc: jay.jorgensen tmruralwater.com
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 8:48 AM
To: minercountypioneer@alliancecom.net
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 8:47 AM
To: The Special / Troy Schwans
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 8:46 AM
To: New Century Press
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 8:39 AM
To: courier@gwtc.net
Cc: jay.jorgensen tmruralwater.com
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on September 4, 2025.

TM Rural Water District, c/o Cullen Kohles, 110 North Main Avenue, Parker SD 57053, 605-297-3334, cullenk@bannerassociates.com, jay.jorgensen@tmruralwater.com 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 Ave, Pierre SD 57501.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



RECEIVED

OCT 06 2025

OFFICE OF
WATER

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA, County of Miner: ss.

Carla Poulson of said County and State, being duly sworn, on her oath says:
That the Miner County Pioneer is a legal newspaper of general circulation,
printed and published in Howard, said County and State, by Carla Poulson, and
has been such newspaper during the time hereinafter mentioned: and that I,
Carla Poulson the undersigned, am publisher of said newspaper, in charge of
the advertising department thereof, and have personal knowledge of all the
facts stated in this affidavit, and that the advertisement or notice headed

Notice of Application

A printed copy of which is hereunto attached, was printed and published in the
regular and entire issue of said newspaper and not in a supplement, once each
week for ...1... successive weeks, the first publication being made on the
.....4..... day of Sept. 2025.

And the last publication on the day of 20.....

The first publication being made on the day of 20.....

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.....

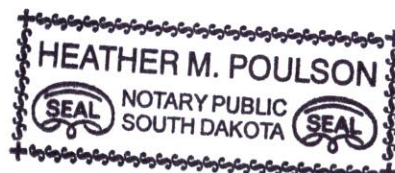
That said newspaper is a legal newspaper, and has a bona fide circulation of
more than two hundred copies weekly, and has been published within the
County of Miner, for more than fifty-two successive weeks next prior to the
first publication of said notice, and is printed in an office maintained in
Howard, South Dakota, the place of publication of said newspaper. That the
full amount of fees for publication of the annexed notice is \$ 49.60 and
insures solely to the benefit of said publisher; that no agreement or understand-
ing for a division thereof has been made with any person and that no part there-
of has been agreed to be paid to any person whomever.

Subscribed and sworn to me this 30 day of Sept. 2025

C.R.

My commission expires the 10 day of 10 2025

Heather M. Poulson



**NOTICE OF APPLICATION NO.
8931-3 to Add a Well and Increase
Pump Rate**

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Pursuant to SDCL 46-2A-2, the Acting Chief Engineer recommends **APPROVAL** of Application No. 8931-3 because 1) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 2) the proposed use is a beneficial use and 3) it is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board. The Acting 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

Legal Notices • Legal

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If the applicant does not contest

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Published one time at the approximate total cost of \$49.60 and can be viewed free of charge at www.sdpublicnotices.com.

(Sept. 4, 2025)

AFFIDAVIT OF PUBLICATION

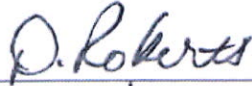
TM RURAL WATER
Tm Rural Water
Po Box 445
Parker SD 57053-0445

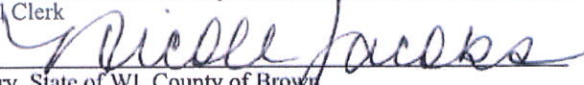
STATE OF WISCONSIN, COUNTY OF BROWN

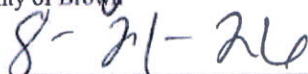
The Argus Leader, a daily newspaper published in the city of Sioux Falls, Minnehaha County, State of South Dakota, and personal knowledge of the facts herein state and that the notice hereto annexed was Published in said newspapers in the issue:

09/04/2025

and that the fees charged are legal.
Sworn to and subscribed before on 09/04/2025



Legal Clerk


Notary, State of WI, County of Brown


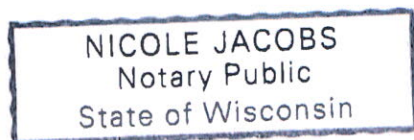
8-21-26

My commission expires

Publication Cost:	\$70.30	
Tax Amount:	\$0.00	
Payment Cost:	\$70.30	
Order No:	11616663	# of Copies:
Customer No:	1248655	1
PO #:		

THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.



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NO. 8931-3 to Add a Well
and Increase Pump Rate**

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Published Sept 4, 2025, at the total approximate cost of \$70.30 and may be viewed free of charge at www.sdpublicnotices.com

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SEP 12 2025

Form 8

OFFICE OF
WATER

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of McCook) SS

I, Troy Schwans

certify that the attached printed Notice was taken

from The Special

printed and published in Salem

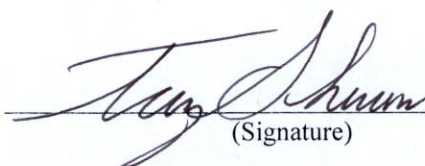
County of McCook and

state of South Dakota. The notice was published

in the newspaper on the following date:

September 4, 2025

Cost of Printing \$56.19


(Signature)

Managing Editor
(Title)

September 4, 2025
(Date Signed)

PUBLIC NOTICE NOTICE OF APPLICATION NO. 8931-3

to Add a Well and Increase Pump Rate

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Published once at the total approximate cost of \$56.19 and may be viewed free of charge at www.sdpublicnotices.com.

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PUBLIC NOTICES

GOVERNMENT IN ACTION - BECAUSE IT'S YOUR RIGHT TO KNOW

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES

Notice of TM Rural Water Application No. 8931-3 to add well and increase pump rate

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Published once at the total approximate cost of \$40.29

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF TURNER

RECEIVED

SEP 08 2025

Water Rights
Program

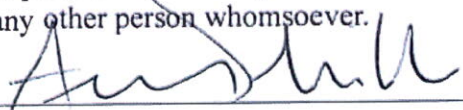
I, Amber Miller of New Century Press, publisher of The New Era, which is a weekly newspaper of general circulation, Printed and published in the City of Parker, in said County of Turner., and has been such legal newspaper during the times here in after mentioned; that the said newspaper has been in existence as such legal newspaper for more than one year prior to the publication of the notice here unto attached, and has during all of said publication of the notice hereunto attached, and has during all of said time had, and now has, more than 200 bona fide subscribers; that the undersigned, the affiant, is the Office Assistant of the said newspaper, in charge of the advertisement department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed:

N0904-2 Notice of Application

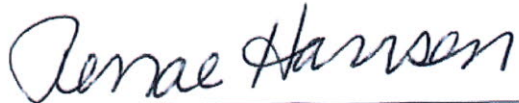
Once printed copy of hereto attached, is printed and published in the said newspaper for one week, to wit:

On Thursday, the 4th day of September, 2025

That \$54.30 being the full amount of the fees for publication of the attached notices insure solely for the benefits of the publishers of the said newspaper, that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid To any other person whomsoever.



Subscribed and sworn to before me this 5th day of September, 2025



Notary Public, State of South Dakota
My Commission Expires June 6, 2031



Publication Fee...\$54.30
Notary Fee...\$
Total \$54.30

RECEIVED

SEP 08 2025

Water Rights
Program

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8931-3 to Add a Well and
Increase Pump Rate**

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Public notices
on Page 10 ►

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Published once at the total approximate cost of \$54.30 and may be viewed free of charge at www.sdpublishnotices.com.

(N9904-2)

Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Wednesday, August 27, 2025 9:15 AM
To: cullenk@bannerassociates.com
Cc: jay.jorgensen tmruralwater.com
Subject: 8931-3 TM Rural Water District - Public Notice
Attachments: 8931-3 Rec.pdf; 8931-3 Ltr.pdf; 8931-3 PubNotice.pdf; Argus Leader Info.pdf

Good morning,

Attached is a copy of the report, acting chief engineer's 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 also being mailed to you today.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 30, 2025

TM Rural Water District
c/o Cullen Kohles
110 North Main Avenue
Parker SD 57053

Dear Mr. Kohles:

Enclosed is Water Permit No. 8931-3 authorizing construction of the water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

An application/license filing fee of \$1,450.00 was submitted with the application. The correct fee for this permit is \$300.00. Therefore, \$1,150.00 will be refunded to you. The refund check should be received within the next couple of weeks.

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,

Mark Mayer, PE
Director of Office of Water

enclosures

October 30, 2025

REFUND REQUEST FORM

PAYEE:

TM Rural Water District
C/O Cullen Kohles
110 North Main Avenue
Parker SD 57053

FROM: DANR-Water Rights Program
523 E. Capitol Ave
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Refund for Over payment for Fee for Water Permit #8931-3 for Water Rights.

AMOUNT: \$1,150.00

FUNDING SOURCE: WR Fees

GENERAL:

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:

Mars Maye 10/31/25

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.



**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
Posting on DANR Website**

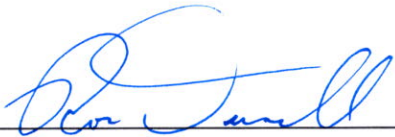
Pursuant to SDCL § 46-2A-4, public notice of the following application was posted on the DANR web site at <https://danr.sd.gov/public>. The posted public notice is the same notice as published in the pertinent newspaper(s) and a copy of the public notice is maintained in the application file. If the 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.: 8931-3

Name of Applicant: TM Rural Water District, c/o Jay Jorgensen

Date of Posting: 9/2/2025

Date of Removal: 10/30/2025



Ron Duvall, Engineer III

10/30/2025

Date

Subscribed and sworn to before me, a notary public, this 30th day of Oct, 2025.



Notary Public - South Dakota
My commission expires:

(SEAL) Rachel Rodriguez
My Commission Expires
May 16, 2029

