

WATER PERMIT NO. 7530-3

Name of Applicant: Tyler L Ammann

Address: 13639 466th Ave, Wilmot SD 57279

Phone: 605 938-4709

Amount of Water Claimed: 3.11 cfs

Total Acres: 320

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Roberts

Type of Waste Disposal System:

Location: 1/2 mile southwest of Wilmot

PRIORITY

Date Received: 11-26-12

Application/License Fee: \$ 1350

Corrected Application Received:

Period of Annual Use: May 1 – Sept 30

Remarks:

Diversion Point: center of the S 1/2 Sec 1-T122N-
R50W

Land to be Irrigated: S 1/2 Sec 1-T122N-R50W

Depth of Well: 215 feet deep

Well Driller:

Remarks:

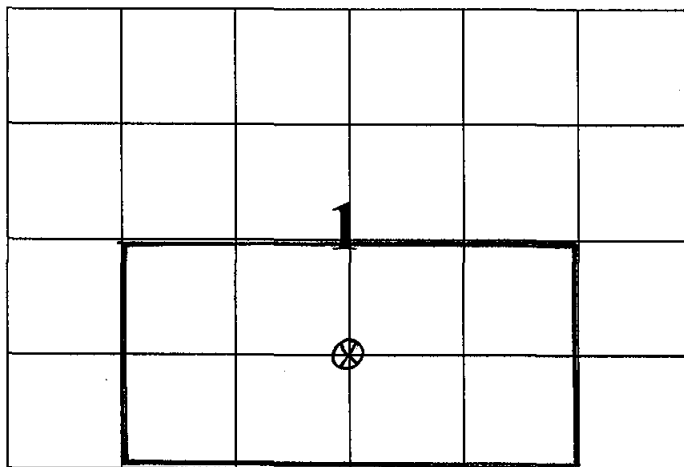
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 11-27-12

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



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

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>7530-3</u> (office use only)	Hydrologic Unit <u>07020001</u>
	Basin <u>Minnesota - Whetstone</u>	<u>605-938-4651</u>
	Newspaper <u>Wilmot Enterprise Box 6 Wilmot 57279</u>	<u>605-886-6901</u>
	<u>Public Opinion Box 10 Watertown 57201</u>	<u>6901</u>

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Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

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

1. Name to Appear on Irrigation Permit Tyler L. Ammann

(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 13639 466th Ave. Wilmot SD 57279
(Address) (City) (State) (Zip Code)

Home Phone 605.938.4709 Cell 605.881.3719 Email tylerammann@hotmail.com

2. Amount of water claimed 3.11 *CFS or 1400 **GPM ***AF Total Acreage 320
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Drilled well

4. Location of point of diversion 1 well in the center of S half of sec 01 T122N-R50W

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

County Roberts

5. County or counties where water will be used Roberts

6. Annual period during which water is to be used May/through September 30

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
Sec.01-T122N-R50W NE1/4SE1/4	40	Sec.01-T122N-R50W NE1/4SW1/4	40
Sec.01-T122N-R50W NW1/4SE1/4	40	Sec.01-T122N-R50W NW1/4SW1/4	40
Sec.01-T122N-R50W SE1/4SE1/4	40	Sec.01-T122N-R50W SE1/4SW1/4	40
Sec.01-T122N-R50W SW1/4SE1/4	40	Sec.01-T122N-R50W SW1/4SW1/4	40

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

I would like to use the following method to irrigate the south half of Sec.01-T122N-R50W. Each 80 acre parcel to the outside would be subsurface drip irrigation. By using this method I'm hoping to use less water, less mechanical issues, no wheel tracks, 1 80 has a long narrow grove of trees that could than remain while the other 80 is somewhat irregular which complements this method. The 160 acres in the center would be a center pivot system.

I, Tyler L. Ammann, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

**SOUTH DAKOTA
WATER PERMIT NO. 7530-3**

Date of first receipt of application November 26, 2012.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7530-3 to Tyler L Ammann, 13639 466th Ave, Wilmot SD 57279 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. 7530-3 appropriates 3.11 cubic feet of water per second from one well to be completed into the Reville Aquifer (215 feet deep) located in the center of the S 1/2 of Section 1 for irrigation of 320 acres located in the S 1/2 Section 1; all in T122N-R50W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is November 26, 2012.
4. The date of approval of Permit No. 7530-3 is February 11, 2013.
5. One-fifth of the construction is to be completed on or before August 11, 2015.
6. All construction is to be completed on or before February 11, 2018.
7. Water is to be put to beneficial use on or before February 11, 2022.
8. 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 well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7530-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAR 28 2013

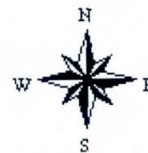
date



Aerial Map



Maps provided by:

©AgriData, Inc. 2012
www.AgrIDataInc.comRonald Christensen
NRCS 11/20/121-122N-50W
Roberts County
South Dakotamap center: 45° 24' 20.45, 96° 52' 19.79
scale: 10060

2/17/2012

Field borders provided by Farm Service Agency as of 5/21/2008. Aerial photography provided by Aerial Photography Field Office.

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South Dakota Department of Environment and Natural Resources

Date 11/27, 20 12

RECEIVED OF Tyler Ammann

13639 466th Ave

Wilmot SD 57279

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

Fee for Application for Permit No. <u>7530-3</u> to Appropriate Water, to construct and to put water to beneficial use	1150	00
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>7530-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	1350 00

No. 05710

By [Signature]

Chief Engineer

I talked to your office recently and was told of the amount of irrigation applications for permits submitted. I was told that the normal review lead time has doubled. I was also informed that sometimes it is possible to get permission from your office to drill the actual 12" well and case it to test pump it before getting the permit. I do realize the risk involved of not being okayed to be permitted. With that in mind I still would like to ask permission to do the 12" test well.

Tyler Ammann

13639 466th Ave.

Wilmot, SD 57279

605.938.4709 Home\office

605.881.3719 Cell

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DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

November 27, 2012

Tyler Ammann
13639 466th Ave
Wilmont, SD 57279

Dear Mr. Ammann:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, you are authorized to construct test wells in the S ½ Section 1, T122N-R50W, prior to approval of a water permit. The test wells must be constructed in accordance with the SD Well Construction Standards. Any test holes 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. 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.

Very truly yours,

For GARLAND ERBELE, Chief Engineer
Water Rights Program
(605) 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7530-3, Tyler L Ammann**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7530-3, Tyler L Ammann, 13639 466th Avenue, Wilmot SD 57279.

The Chief Engineer is recommending APPROVAL of Application No. 7530-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7530-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
January 24, 2013

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7530-3
TYLER L. AMMANN
JANUARY 24, 2013

Water Permit Application No. 7530-3 proposes to appropriate up to 640 acre-feet of water annually (ac-ft/yr) at a maximum diversion rate of 3.11 cubic feet of water per second (cfs) from one well to be completed into the Reville aquifer. The well is expected to be approximately 215 feet deep and is to be located in the S ½ Section 1 for the irrigation of 320 acres located in the S ½ Section 1; all in T122N-R50W in Roberts County.

AQUIFER: Reville aquifer (REV)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Reville aquifer is composed of glacial outwash (sand and gravel) that occupies a preglacial bedrock valley in southern Roberts County that extends into central Grant County, as shown in figures 1 and 2 (Hansen, 1990; Thompson, 2001). The aquifer underlies approximately 86.7 square miles of Roberts County and contains an estimated 315,200 acre-feet (ac-ft) of water in storage in the county (Thompson, 2001). In Grant County, the Reville aquifer is estimated to underlie 190 square miles and contain approximately 1 million ac-ft of water in storage (Hansen, 1990). The aquifer is under confined conditions and groundwater movement is from north to south. In Roberts County, Thompson (2001) reported that the only hydraulic connection between the Reville aquifer and other aquifers is near the town of Wilmot, where a thin layer of silty clay separates the Reville aquifer from the Wilmot aquifer as defined by Thompson (2001). The town of Wilmot is approximately one half mile northeast of the proposed well site. In Roberts County, the depth to the top of the aquifer ranges from 110 feet to 660 feet and the aquifer thickness ranges from 12 to 141 feet, with an average of 56.8 feet (Thompson, 2001).

SDCL 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and effects on existing rights from the aquifer that are pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate up to 640 ac-ft/yr from the Reville aquifer. If this application is approved, the actual water use will likely be less than the appropriation. The probability of unappropriated water being available from an aquifer can be evaluated by considering SDCL 46-6-3.1, which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of the water to the groundwater source."

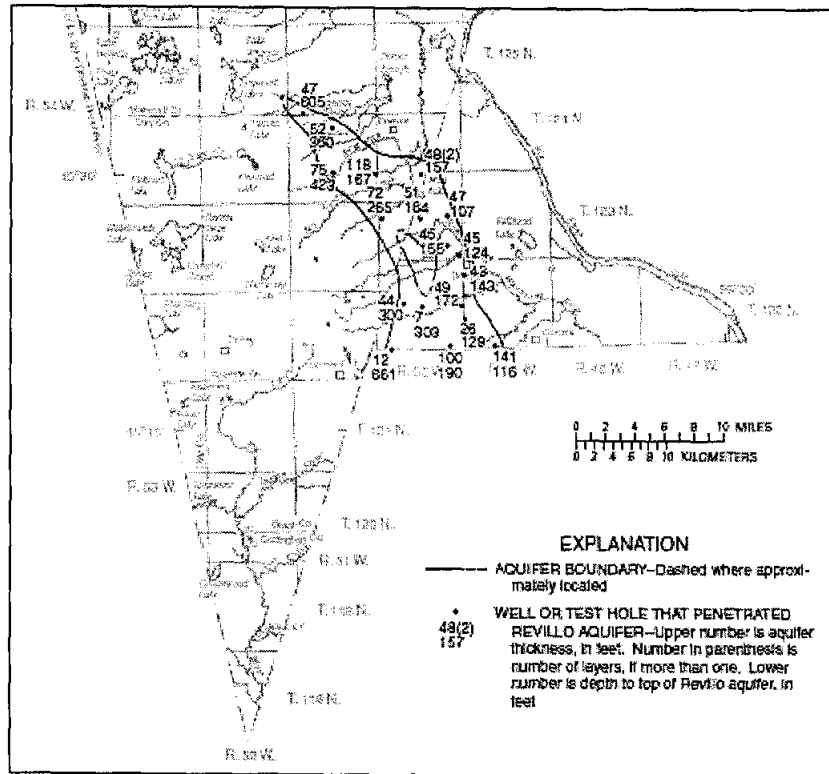


Figure 1- Thickness, depth, and extent of the Renville aquifer in Roberts County (modified from Thompson, 2001)

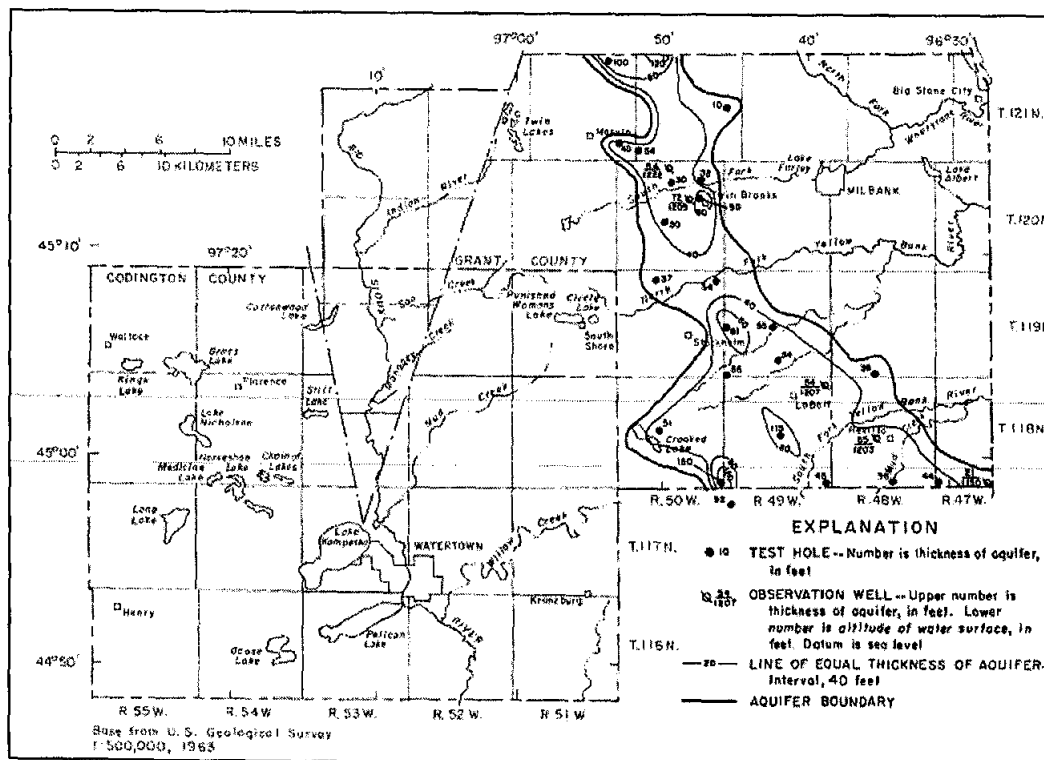


Figure 2- Thickness and extent of the Renville aquifer in Grant County (modified from Hansen, 1990)

HYDROLOGIC BUDGET:

Recharge:

Recharge to the Reville aquifer in Roberts County is from inflow from overlying outwash lenses (Thompson, 2001). An average annual recharge rate has not been quantified for the aquifer. However, Hedges and others (1985) concluded that for management and development programs, the recharge rate to confined aquifers can be estimated to be between 0.15 and 0.60 inches per year (in/yr). Therefore, recharge to the Reville aquifer in Roberts County could range from 3,940 to 15,760 ac-ft annually.

Discharge:

Discharge from the Reville aquifer in Roberts County is from well withdrawals and possible outflow to overlying outwash lenses (Thompson, 2001). Currently, there are 10 water rights/permits authorizing withdrawal from the Reville aquifer and two pending permits (Water Rights, 2013b). The current water rights/permits appropriating water from the Reville aquifer are shown in table 1.

PERMIT NO.	NAME	COUNTY	STATUS	TYPE	CFS	ACRES	AC-FT/YR
549-3	City of Milbank	GT	FU	MUN			808
1764-3*	Town of Wilmot	RB	LC	MUN	0.39		
1769-3	City of Milbank	GT	LC	MUN	2.16		
3250-3*	Delton L. Strasser	RB	LC	IRR	1.89	132	
4785-3	City of Milbank	GT	LC	MUN	0.89		
5044-3	Ray A & David R Hansen	RB	LC	IRR	2.28	459	
5482-3	Alan or Linda Schneck	GT	LC	IRR	4.28	410	
7148-3*	Jason E. Frerichs	RB	PE	IRR	1.44	60	
7306-3*	Tyler Ammann	RB	PE	IRR	2.22	91	
7341-3*	Tyler Ammann	RB	PE	IRR	2.71	290	
* = Within 2.5 miles of proposed well site, GT= Grant, RB= Roberts, FU= Future Use Permit, LC= Water Right, PE= Water Permit, MUN= Municipal, IRR= Irrigation							

Table 1- Current appropriations from the Reville aquifer (Water Rights, 2013b)

The amount of water that can be expected to be withdrawn through water rights/permits authorizing water use for non-irrigation purposes at the current appropriation level can be estimated by assuming: 1) water rights/permits limited by an annual volume will pump the entire volume appropriated, 2) water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate 60 percent of the time (1,494 ac-ft/yr), and 3) future use permits can be fully developed (808 ac-ft/yr). Table 2 shows the historic water use by irrigation from the Reville aquifer. The development of the aquifer is relatively small. Estimated maximum annual use from the aquifer is 3,294 ac-ft/yr at the current appropriation level. Including the two pending permits and this proposed appropriation, the estimated maximum annual water use is on the lower end of the estimated annual recharge range. Estimated average annual use is expected to be less than 2,566 ac-ft. Therefore, there is a reasonable probability that unappropriated water is available for this proposed appropriation.

Year	No. of Permits Reporting	Appropriation (ac-ft)	Pumpage (ac-ft)
2011	4	2254	51.85
2010	4	2254	210.3
2009	3	2134	144.07
2008	1	820	100.76
2007	1	820	202.18
2006	1	820	86.84
2005	1	820	224.27
2004	1	820	729.17
2003	1	820	991.67
2002	1	820	375.63
2001	1	820	416.83
2000	1	820	417.61
1999	1	820	92.07
1998	1	820	99.43
1997	1	820	59
1996	1	820	74.24
Min	1	820	51.85
Max	4	2254	991.67
Avg	1.5	1081.38	267.25

Table 2- Irrigation Water Use from the Reville aquifer (Water Rights, 1979-2012)

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 to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.”

The DENR-Water Rights Program monitors five observation wells completed into the Reville aquifer. The observation wells and the distance from the proposed well site are shown in table 3. The hydrographs for the observation wells are shown in figures 1 through 5. Water levels in the observation wells show good response to climatic conditions. The water levels rise (recharge) during wet years and gradually decline during dry years. The hydrographs show the effects of pumping, but it does not appear to be significant. The water levels in the observation wells due show the impacts of pumping, but over the period of record it does not appear to have been significant. The climatic effects on water levels mask the temporal impacts of well withdrawal. In general, the water level in the aquifer has been increasing over the period of record. Therefore, the hydrographs show that there is unappropriated water available for this proposed appropriation.

Name	Distance	Figure
RB-77N	0.6 southeast	1
RB-77M	1.8 north-northwest	2
RB-77L	3.8 north-northwest	3
GT-79D	11.5 south-southeast	4
GT-77K	14.0 south-southeast	5

Table 3- Observation wells completed into the Reville aquifer (Water Rights, 2013a)

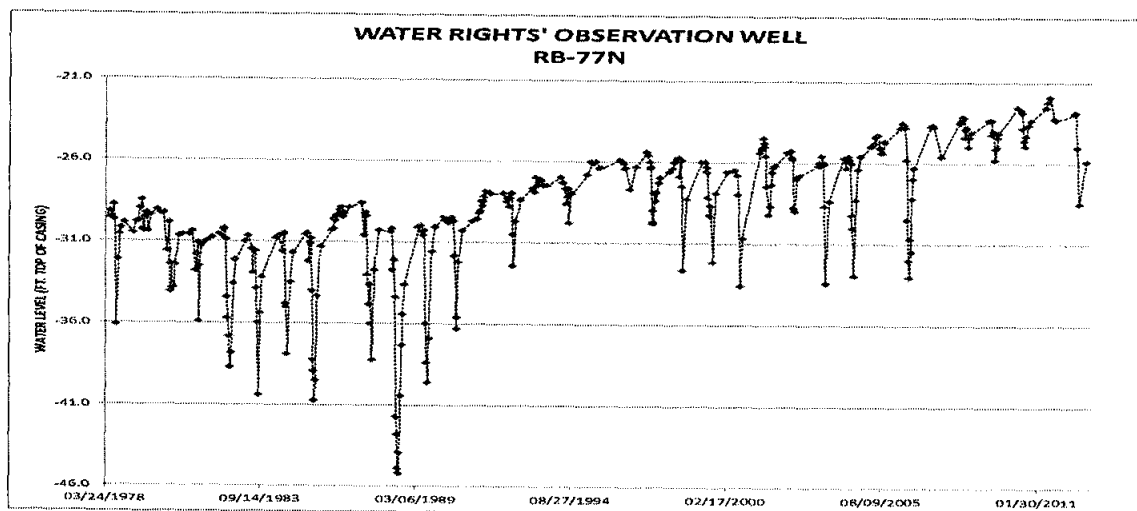


Figure 1- Hydrograph for observation well RB-77N (Water Rights, 2013a)

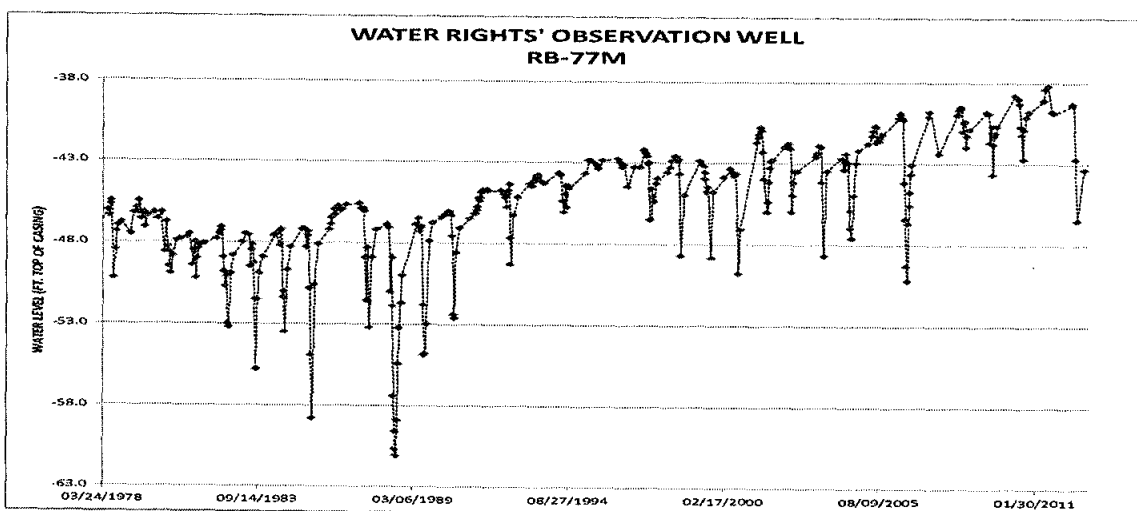


Figure 2- Hydrograph for observation well RB-77M (Water Rights, 2013a)

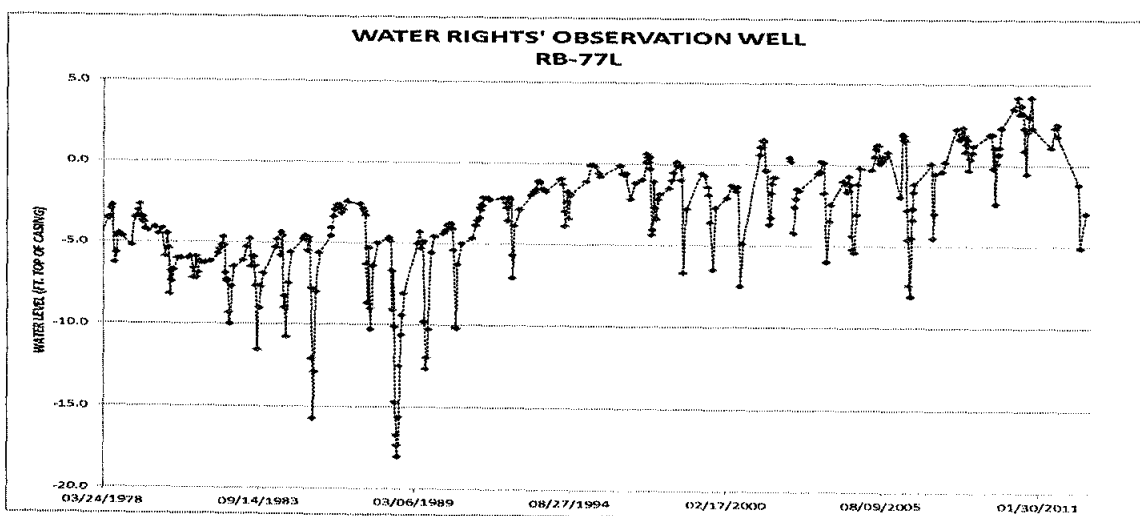


Figure 3- Hydrograph for observation well RB-77L (Water Rights, 2013a)

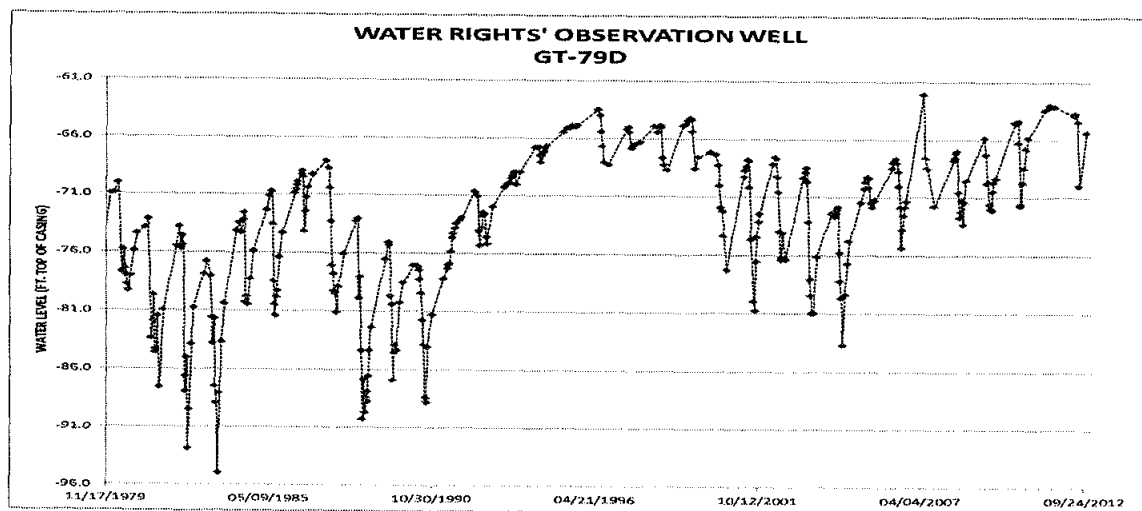


Figure 4- Hydrograph for observation well GT-79D (Water Rights, 2013a)

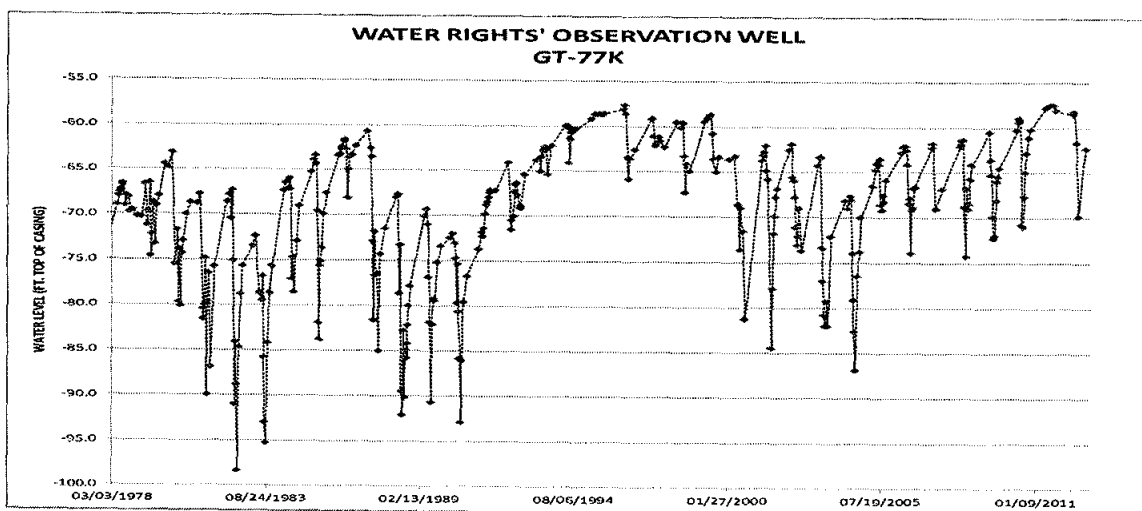


Figure 1- Hydrograph for observation well GT-77K (Water Rights, 2013a)

EXISTING WATER RIGHTS:

There are five water rights/permits authorizing wells and several domestic wells on file with the DENR-Water Rights Program within approximately 2.5 miles of the proposed well site (Water Rights, 2013b and 2013c). The five water rights/permits are denoted in table 1 with an asterisk. The only water rights/permits within one mile are Water Right No. 1764-3 and Water Permit 7341-3, which are 0.73 and 0.67 miles away, respectively. The town of Wilmot has been on Grant-Roberts Rural Water since 2003 and the wells have been disconnected from the town's distribution lines (Buhler, 2012). The wells authorized by Water Right No. 1764-3 are maintained for fire protection. The hydrographs show that the impacts of well withdrawals have not been significant over the period of record, especially the hydrograph for RB-77N. Observation well RB-77N is within two miles of four high capacity wells and several domestic wells.

Although some drawdown may occur in the Revillo aquifer, SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery and the Water Management Board has recognized

that to place water to maximum beneficial use a certain amount of drawdown may occur. In order to balance interests between irrigation use and delivery of water by artesian pressure the Water Management Board has 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 need"

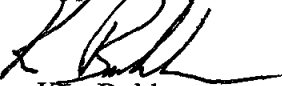
The assurance of reasonable domestic use provided by SDCL 46-6-6.1 and ARSD 74:02:04:20(7) ensures not only that interference will not be adverse to domestic well users but also in existing appropriative rights. Depending on the characteristics of the Revillo aquifer at the well site, some existing well owners may need to lower their pumps to accommodate for lower water levels. When considering SDCL 46-6-6.1 and ARSD 74:02:04:20(7), well interference from this proposed diversion is not likely to be significant and there is a reasonable probability that any interference will not be adverse.

CONCLUSIONS:

1. Water Permit Application No. 7530-3 proposes to appropriate up to 640 ac-ft/yr at a maximum diversion rate of 3.11 cfs for the irrigation of 320 acres from one well to be completed into the Revillo aquifer.
2. There is a reasonable probability that unappropriated water is available from the Revillo aquifer to supply this proposed diversion.
3. There is a reasonable probability that the diversion rate requested by this application can be made without adversely impacting existing water rights/permits and domestic users.


Adam Mathiowetz
SD DENR-Water Rights Program

Approved by:


Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Buhler, K. 2012. Report on Water Permit Application No. 7306-3 Tyler Ammann. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, SD.
- Hansen, D.S. 1990. Water Resources of Codington and Grant Counties, South Dakota: U.S. Geological Survey Water-supply Paper 2254, 263 p.
- Hedges, L.S. J. Allen, and D.E. Holly. 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge. South Dakota DENR-Geological Survey, Vermillion, SD.
- Thompson, R.F. 2001. Water Resources of the Lake Traverse Reservation, South and North Dakota, and Roberts County, South Dakota: U.S. Geological Survey Water-Resource Investigation Report 01-4219.
- Water Rights. 1979-2012. "1979-2011 Irrigation Summaries by Aquifer and County": SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013a. Observation Well Files. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013b. Water Right/Permit Files. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013c. Well Completion Reports. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, SD.

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JAN 31 2013

WATER RIGHTS
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Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Roberts) SS

I, Nancy Kimmel

certify that the attached printed Notice was
taken

from the Wilmot Enterprise

printed and published in Wilmot

County of Roberts and

state of South Dakota. The notice was
published

in the newspaper on the following date:

January 31, 2013

Cost of Printing 23.17

Nancy Kimmel
(Signature)

Owner
(Title)

1-30-13
(Date Signed)

NOTICE OF APPLICATION

NO. 7530-3 to

Appropriate Water

Notice is given that Tyler L. Ammann, 13639 466th Ave., Wilmot, SD 57279 has filed an application for a water permit to appropriate 3.11 cubic feet of water per second from one well to be completed into the Reville Aquifer (215 feet deep) located in the center of the S 1/2 of Section 1 for irrigation of 320 acres located in the S 1/2 Section 1; all in T122N-R50W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7530-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless

a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 11, 2013.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application.

Steven M. Pirner, Secretary,
Department of Environment
and Natural Resources

Published once at the total
approximate cost of \$23.17.
(January 31, 2013)

11/30/13
Mittie Reif, Notary
Commission Expires
July 27, 2016

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FEB - 4 2013

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PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Codington) SS

I, Monica K. Saathoff

certify that the attached printed Notice was
taken

from the Watertown Public Opinion

printed and published in Watertown

County of Codington and

state of South Dakota. The notice was
published

in the newspaper on the following date:

January 31st, 2013

Cost of Printing \$57.29

Monica K. Saathoff
(Signature)

Bookkeeper
(Title)

January 31, 2013
(Date Signed)

DEPARTMENT OF ENVIRON- MENT AND NATURAL RESOURCES

NOTICE OF APPLICATION NO. 7530-3 to Appropriate Water

Notice is given that Tyler L. Ammann, 13639 466th Ave, Willmot SD 57279 has filed an application for a water permit to appropriate 3.11 cubic feet of water per second from one well to be completed into the Revillo Aquifer (215 feet deep) located in the center of the S 1/2 of Section 1 for irrigation of 320 acres located in the S 1/2 Section 1; all in T122N-R50W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7530-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 11, 2013.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at the approximate cost of \$52.25. (January 31, 2013).

All legal notices in the Public Opinion and other South Dakota newspapers can be found at
www.sdpublishnotices.com



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

January 24, 2013

Wilmot Enterprise
PO Box 6
Wilmot SD 57279

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7530-3 to Appropriate Water. Please publish the notice once on January 31, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Tyler L Ammann, 13639 466th Ave., Wilmot SD 57279 (Ph # 605-938-4709).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

January 24, 2013

Public Opinion
PO Box 10
Watertown SD 57201

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7530-3 to Appropriate Water. Please publish the notice once on January 31, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Tyler L Ammann, 13639 466th Ave., Wilmot SD 57279 (Ph # 605-938-4709).

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Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATE, CONTACT
THE NEWSPAPER(S) RIGHT AWAY.

January 24, 2013

Tyler L Ammann
13639 466th Ave
Wilmot SD 57279

Dear Mr. Ammann:

Water Permit Application No. 7530-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Wilmot Enterprise printed at Wilmot SD (Ph # 605-938-4651) and the Public Opinion printed at Watertown SD (Ph # 605-886-6901). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has 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,


Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

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

Instruction to Newspaper - Publish the Notice on January 31, 2013. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7530-3 to Appropriate Water

Notice is given that Tyler L Ammann, 13639 466th Ave, Wilmot SD 57279 has filed an application for a water permit to appropriate 3.11 cubic feet of water per second from one well to be completed into the Reville Aquifer (215 feet deep) located in the center of the S 1/2 of Section 1 for irrigation of 320 acres located in the S 1/2 Section 1; all in T122N-R50W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7530-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

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The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

MAR 28 2013

Tyler L Ammann
13639 466th Ave
Wilmot SD 57279

Dear Mr. Ammann:

Enclosed is Water Permit No. 7530-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

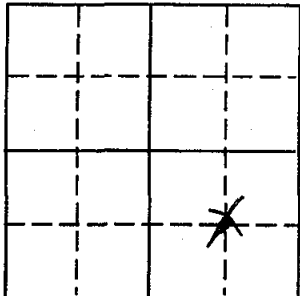
Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

7530-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location <u>SE 1/4 SE 1/4</u> Sec <u>1</u> Twp <u>123</u> Rg <u>50</u> 122 County <u>Roberts</u> North		Well Owner: <u>Tyler Ammann</u> Business Name: _____ Address1: <u>13639 466th Ave</u> Address2: _____ City, State, Zip: <u>Wilmot, SD 57279</u>																																	
Please mark well location with an "X" 		WELL LOG: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">FORMATION</th> <th colspan="2">DEPTH</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td>Topsoil</td><td>0</td><td>1</td></tr> <tr><td>Yellow clay</td><td>1</td><td>20</td></tr> <tr><td>Medium oxidized sand</td><td>20</td><td>30</td></tr> <tr><td>Yellow clay</td><td>30</td><td>50</td></tr> <tr><td>Fine sand</td><td>50</td><td>60</td></tr> <tr><td>Fine silty sand</td><td>60</td><td>80</td></tr> <tr><td>Blue clay</td><td>80</td><td>160</td></tr> <tr><td>Fine to med sand</td><td>160</td><td>175</td></tr> <tr><td>Coarse sand</td><td>175</td><td>185</td></tr> </tbody> </table>		FORMATION	DEPTH		FROM	TO	Topsoil	0	1	Yellow clay	1	20	Medium oxidized sand	20	30	Yellow clay	30	50	Fine sand	50	60	Fine silty sand	60	80	Blue clay	80	160	Fine to med sand	160	175	Coarse sand	175	185
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Well completion Date <u>10-23-12</u> Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.) <u>3700 ft. from Feedlot</u> (Identify source)		STATIC WATER LEVEL <u>40</u> 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? _____																																	
PROPOSED USE: ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes ☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well		WELL TEST DATA: ☒ Pumped Describe: <u>Pumped with 3 HP</u> ☐ Bailed <u>Submersible</u> ☐ Other _____																																	
METHOD OF DRILLING: <u>Forward Rotary</u>		Pumping Level Below Land Surface <u>48.5</u> Ft. After <u>4</u> Hrs. pumped <u>75</u> GPM _____ Ft. After _____ Hrs. pumped _____ GPM If pump installed, pump rate: _____ GPM																																	
CASING DATA: ☐ Steel ☒ Plastic ☐ Other If other describe _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>PIPEWEIGHT</th> <th>DIAMETER</th> <th>FROM</th> <th>TO</th> <th>HOLE DIAMETER</th> </tr> </thead> <tbody> <tr> <td><u>2.00 LB/FT</u></td> <td><u>4 IN</u></td> <td><u>1 FT</u></td> <td><u>175 FT</u></td> <td><u>7 IN</u></td> </tr> <tr> <td>LB/FT</td> <td>IN</td> <td>FT</td> <td>FT</td> <td>IN</td> </tr> <tr> <td>LB/FT</td> <td>IN</td> <td>FT</td> <td>FT</td> <td>IN</td> </tr> </tbody> </table>		PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER	<u>2.00 LB/FT</u>	<u>4 IN</u>	<u>1 FT</u>	<u>175 FT</u>	<u>7 IN</u>	LB/FT	IN	FT	FT	IN	LB/FT	IN	FT	FT	IN	REMARKS <u>8.75 Gallons/foot</u> RECEIVED APR 15 2013 WATER RIGHTS PROGRAM													
PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER																															
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LB/FT	IN	FT	FT	IN																															
LB/FT	IN	FT	FT	IN																															
GROUTING DATA: Grout Type <u>Porfite</u> No. of Sacks <u>6</u> Grout Weight <u>9.5 Lb/gal</u> From <u>0</u> Ft To <u>155</u> Ft Describe grouting procedure <u>Pumped Grout through 1" Tremie Hose that was with down as Hole was Filled</u>		This well was drilled under license # <u>285</u> And this report is true and accurate. Drilling firm: <u>Marikowski Well Drilling Inc.</u> Signature of License Representative: <u>[Signature]</u> Signature of Well Owner or Equitable Property Holder: _____																																	
SCREEN: ☐ Perforated pipe ☒ Manufactured Diameter <u>4</u> Inches Length <u>40</u> Feet Material <u>PVC</u> Slot Size <u>1/40</u> Set From <u>175</u> Feet to <u>213</u> Feet Other information <u>Blank From 185-195</u>		Date: <u>10-24-12</u> 523 E. Capitol Ave., Pierre SD 57501																																	
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? <u>Chlorine</u> ☐ No, Why Not? _____ Lab sample sent to for water quality analysis _____																																	

Please return White Copy to DENR Water Rights



7530-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 15, 2016

NOTICE

TO: TYLER AMMANN, 13639 466TH AVE, WILMOT, SD 57279
FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2015 Irrigation Questionnaire(s)

Our records indicate your 2015 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7306-3, 7341-3, 7530-3. The request for the Questionnaire was dated October 23, 2015. The Water Management Board has directed that owners of water permits who have not submitted the 2015 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7306-3, 7341-3, 7530-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Thursday, March 3, 2016 at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7306-3, 7341-3, 7530-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 3, 2016** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 29, 2016

7306-3
7341-3
7530-3

Tyler Ammann
13639 466th Ave
Wilmot SD 57279

Dear Mr. Ammann:

I am writing to acknowledge receipt of your 2015 irrigation questionnaires.

You may disregard the January 15, 2016, "Notice" concerning reporting requirements for Water Permit Nos. 7306-3, 7341-3 and 7530-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us



7530-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 20, 2017

NOTICE

TO: TYLER AMMANN, 13639 466TH AVE, WILMOT, SD 57279
FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2016 Irrigation Questionnaire(s)

Our records indicate your 2016 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7306-3, 7341-3, 7530-3. The request for the Questionnaire was dated October 21, 2016. The Water Management Board has directed that owners of water permits who have not submitted the 2016 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7306-3, 7341-3, 7530-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 1, 2017 at 11:00 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7306-3, 7341-3, 7530-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 1, 2017** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

7530-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

March 1, 2017

Tyler Ammann
13639 466th Ave
Wilmot SD 57279

RE: Water Permit Nos. 7306-3, 7341-3 and 7530-3

Dear x:

I am writing to acknowledge receipt of your 2016 irrigation questionnaires.

You may disregard the January 20, 2017, "Notice" concerning reporting requirements for Water Permit Nos. 7306-3, 7341-3, 7530-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us



7530-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 26, 2018

NOTICE

TO: TYLER AMMANN, 13639 466TH AVE, WILMOT, SD 57279

FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2017 Irrigation Questionnaire(s)

Our records indicate your 2017 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7306-3, 7341-3, 7530-3. The request for the Questionnaire was dated October 20, 2017. The Water Management Board has directed that owners of water permits who have not submitted the 2017 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7306-3, 7341-3, 7530-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 7, 2018 at 10:00 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7306-3, 7341-3, 7530-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 7, 2018** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

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7530-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.denr.sd.gov

March 9, 2018

7306-3
7341-3
7530-3

Tyler Ammann
13639 466th Ave
Wilmot SD 57279

Dear Mr. Ammann:

I am writing to acknowledge receipt of your 2017 irrigation questionnaires.

You may disregard the January 26, 2018, "Notice" concerning reporting requirements for Water 7306-3, 7341-3, 7530-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7341-3 and 7530-3

I have this day, August 13, 2021, made a thorough examination of the water use system constructed by Tyler Ammann, 13639 466th Ave, Wilmot, SD 57279 of Permit No. 7530-3, bearing the priority of November 26, 2012 authorizing the diversion of 3.11 cu. ft. per second of the waters and Permit No. 7341-3 bearing a priority date of March 27, 2012 authorizing diversion of 2.71 cfs of the Revilla Aquifer for irrigation purposes, in Roberts County.

A. Works used to divert the water: (This well is also associated with the land in Permit 7341-3)

Well Information:

- 1) Well Drilling Firm: Manikowski Well Drilling
- 2) No. of Wells 1
- 3) Depth 194 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 12 inches
- 2) Length 154 feet
- 3) Type PVC

Screen:

- 1) Type stainless steel
- 2) Length 40 feet
- 3) Static water level 32 feet

Pump:

- 1) Make NA
- 2) Model Submersible
- 3) Size NA
- 4) Capacity 1300 GPM

Motor: unknown

B. Works used to transport water to place of use:

- 1) Buried pipe line
- 2) Length 3350 feet

C. Works used to apply water to beneficial use:**Center pivot:**

- 1) Make 2- T & L
- 2) Overall length 2100 & 1400 feet
- 3) Number of towers 12 & 7 (plus corner leg) 8 total
- 4) End gun Y
- 5) Capacity 1300 each GPM

Chemigation Equipment:

- 1) Does chemigate: Yes, uses commercially available equipment

D. Compliance with Permit Requirements:

1. Permit qualifications being abided by Y
2. Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
3. Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: From the NE corner of Section 1 T122N R50W, 420 ft S & 2500 ft W, Lat 45.41141 Long -96.87158 (NW ¼ NE ¼ Sec 1).
2. The works are capable of diverting and conveying to the place of use 2.90 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

All land in Section 1, T122N, R50W

NE ¼ SW ¼ – 36 acres	NW ¼ NW ¼ - 12 acres
SE ¼ SW ¼ – 36 acres	NE ¼ NW ¼ – 28 acres
NW ¼ SE ¼ – 39 acres	SE ¼ NW ¼ – 36 acres
NE ¼ SE ¼ – 4 acres	SW ¼ NW ¼ – 7 acres
SE ¼ SE ¼ – 4 acres	NW ¼ NE ¼ 35 acres
SW ¼ SE ¼ – 38 acres	NE ¼ NE ¼ – 25 acres
	SE ¼ NE ¼ – 11 acres
	SW ¼ NE ¼ – 38 acres

comprising a total of 349 acres of land and the license should be issued for 2.90 cfs

3. All structures, wells and lands on map Y

F. Comments or other permit(s) associated with the project:

This field was inspected during a prior visit regarding Permit 7341-3 in the same section.

This pivot is supplied with water from a well located near the northern border of the section and the well services two (2) pivots.

The map was developed with the aid of FSA imagery and ArcMAP software and include irrigated land associated with Permits 7341-3 and 7530-3.

The address and telephone number found in the inspection materials are current.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: **September 2, 2021**

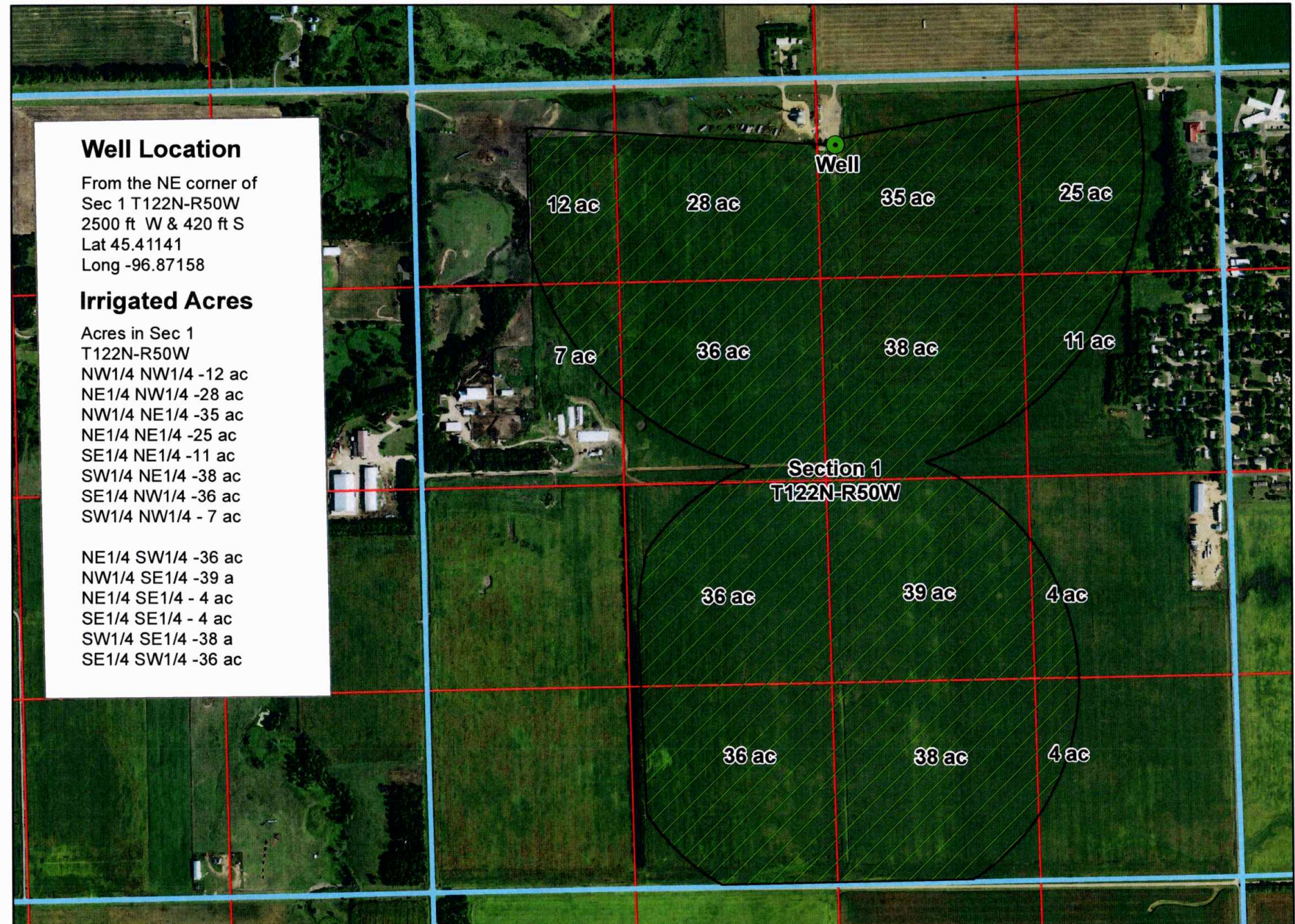
Well Location

From the NE corner of
 Sec 1 T122N-R50W
 2500 ft W & 420 ft S
 Lat 45.41141
 Long -96.87158

Irrigated Acres

Acres in Sec 1
 T122N-R50W
 NW1/4 NW1/4 - 12 ac
 NE1/4 NW1/4 - 28 ac
 NW1/4 NE1/4 - 35 ac
 NE1/4 NE1/4 - 25 ac
 SE1/4 NE1/4 - 11 ac
 SW1/4 NE1/4 - 38 ac
 SE1/4 NW1/4 - 36 ac
 SW1/4 NW1/4 - 7 ac

NE1/4 SW1/4 - 36 ac
 NW1/4 SE1/4 - 39 a
 NE1/4 SE1/4 - 4 ac
 SE1/4 SE1/4 - 4 ac
 SW1/4 SE1/4 - 38 a
 SE1/4 SW1/4 - 36 ac



0 0.125 0.25 0.5 0.75 1 Miles

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Tyler L Amman

ADDRESS: 13639 466th Ave, Wilmot SD 57279

DATE: September 13 2021

COUNTY: Roberts

GENERAL DESCRIPTION OF AUTHORIZED PROJECT:

The permit holder is authorized to construct one well complete into the Reville Aquifer in the center of the S1/2 of Section 1 to irrigate 320 acres in S1/2 of Section 1; all in T122N-R50W. The well was completed in NW1/4 NE1/4 of Section 1 T122N-R50W.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed, or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The relocated well was complete into the Reville Aquifer as permitted.

- **Review of Existing Diversions**

There are several wells complete into the Reville Aquifer in the area the nearest well is located approximately a mile away to the southeast of this well.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the diversion point(s) be licensed as developed.



Mark D. Rath, Natural Resources Engineer III
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.

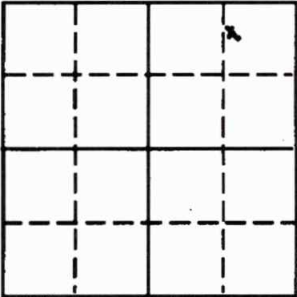


Eric Gronlund, Chief Engineer
Water Rights Program

7530-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location <u>NE 1/4 NE 1/4</u> Sec <u>1</u> Twp <u>123N</u> Rg <u>50W</u> County <u>Roberts</u> Please mark well location with an "X"  Well completion Date <u>8-6-12</u> Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.) <u>7600</u> ft from <u>septic tank</u> (identify source)		Well Owner: <u>Tyler Ammann</u> Business Name: _____ Address1: <u>13639 466th Ave</u> Address2: _____ City, State, Zip: <u>Wilmot, SD 57279</u> WELL LOG: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">FORMATION</th> <th style="text-align: center;">FROM</th> <th style="text-align: center;">TO</th> </tr> </thead> <tbody> <tr><td><u>Top Soil</u></td><td><u>0</u></td><td><u>1</u></td></tr> <tr><td><u>yellow clay</u></td><td><u>1</u></td><td><u>16</u></td></tr> <tr><td><u>Blue clay Till</u></td><td><u>16</u></td><td><u>125</u></td></tr> <tr><td><u>Blue clay with sand layers</u></td><td><u>125</u></td><td><u>131</u></td></tr> <tr><td><u>Fine sand</u></td><td><u>131</u></td><td><u>140</u></td></tr> <tr><td><u>medium sand & gravel</u></td><td><u>140</u></td><td><u>194</u></td></tr> <tr><td><u>Rock</u></td><td><u>194</u></td><td><u>195</u></td></tr> <tr><td><u>shale</u></td><td><u>195</u></td><td><u>200</u></td></tr> </tbody> </table>		FORMATION	FROM	TO	<u>Top Soil</u>	<u>0</u>	<u>1</u>	<u>yellow clay</u>	<u>1</u>	<u>16</u>	<u>Blue clay Till</u>	<u>16</u>	<u>125</u>	<u>Blue clay with sand layers</u>	<u>125</u>	<u>131</u>	<u>Fine sand</u>	<u>131</u>	<u>140</u>	<u>medium sand & gravel</u>	<u>140</u>	<u>194</u>	<u>Rock</u>	<u>194</u>	<u>195</u>	<u>shale</u>	<u>195</u>	<u>200</u>
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PROPOSED USE: ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes ☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well METHOD OF DRILLING: <u>Forward Rotary</u> CASING DATA: ☐ Steel ☒ Plastic ☐ Other If other describe _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>PIPEWEIGHT</th> <th>DIAMETER</th> <th>FROM</th> <th>TO</th> <th>HOLE DIAMETER</th> </tr> </thead> <tbody> <tr> <td><u>50R21LB/FT</u></td> <td><u>12</u> IN</td> <td><u>71</u> FT</td> <td><u>154</u> FT</td> <td><u>17 1/2</u> IN</td> </tr> <tr> <td>LB/FT</td> <td>IN</td> <td>FT</td> <td>FT</td> <td>IN</td> </tr> <tr> <td>LB/FT</td> <td>IN</td> <td>FT</td> <td>FT</td> <td>IN</td> </tr> </tbody> </table>		PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER	<u>50R21LB/FT</u>	<u>12</u> IN	<u>71</u> FT	<u>154</u> FT	<u>17 1/2</u> IN	LB/FT	IN	FT	FT	IN	LB/FT	IN	FT	FT	IN	STATIC WATER LEVEL <u>32</u> 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? _____								
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GROUTING DATA: Grout Type <u>Portland Cement</u> No. of Sacks <u>26</u> Grout Weight <u>9.5</u> Lb/gal From <u>5</u> Ft To <u>130</u> Ft Describe grouting procedure <u>Tremie line</u> <u>Bottom to Top</u> <u>Top 5' Concrete</u> SCREEN: ☐ Perforated pipe ☒ Manufactured Diameter <u>12</u> Inches Length <u>40</u> Feet Material <u>stainless steel</u> Slot Size <u>1050</u> Set From <u>154</u> Feet to <u>194</u> Feet Other information <u>Red Flint sand slot pack</u>		WELL TEST DATA: ☒ Pumped Describe: <u>submersible pump</u> ☐ Bailed _____ ☐ Other _____ Pumping Level Below Land Surface <u>96</u> Ft After <u>3</u> Hrs. pumped <u>1350</u> GPM _____ Ft After _____ Hrs. pumped _____ GPM If pump installed, pump rate: _____ GPM																												
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? <u>Chlorine</u> ☐ No, Why Not? _____ Lab sample sent to for water quality analysis <u>Aquisc</u>		REMARKS RECEIVED APR 15 2013 WATER RIGHTS PROGRAM This well was drilled under license # <u>285</u> And this report is true and accurate. Drilling firm: <u>Manikowski Well Drilling, Inc.</u> Signature of License Representative: <u>[Signature]</u> Signature of Well Owner or Equitable Property Holder: _____ Date: _____																												

Please return White Copy to DENR Water Rights

523 E. Capitol Ave., Pierre SD 57501



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

SEP 20 2021

7341-3
7530-3

Tyler Ammann
13639 466th Ave
Wilmot SD 57279

Dear Mr. Ammann:

Enclosed is Water License No. 7530-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures

Note: Upon licensing, the applicable portions of Water Permit No. 7341-3 were incorporated into Water License No. 7530-3.

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7530-3

(1) Tyler Ammann, 13639 466th Ave, Wilmot, SD 57279 made Application No. 7530-3, November 26, 2012 for a water permit to divert 3.11 cubic feet of water per second from ground water, one well (Revilla Aquifer), Roberts County, South Dakota for irrigation purposes. Permit No. 7530-3, with a priority date of November 26, 2012 was approved February 11, 2013 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 11, 2018 and for the application to beneficial use of said water on or before February 11, 2022.

Water Permit No. 7530-3 authorized a well in the center of the S ½ Section 1, T122N, R50W to irrigate the S ½ Section 1. An investigation conducted for licensing purposes found the diversion point being utilized was in the N ½ Section 1, T122N, R50W and authorized under Permit No. 7341-3. Pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01, the Chief Engineer made a finding that the change in location of the diversion point does not increase the potential for adverse effects to existing diversions.

Water Permit No. 7341-3, with a priority date of March 27, 2012, authorizes diversion of 2.71 cfs from one well located in the NW ¼ NE ¼ Section 1 to irrigate 290 acres located in the N ½ Section 1, T122N R50W.

With the entire acreage covered under both permits irrigated from one well, the applicable portions of Water Permit No. 7341-3 are incorporated into this Water License No. 7530-3. The priority dates as they pertain to the acreage irrigated are described in (3) of this license.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 2.90 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 420'S and 2,500'W of the NE corner of Section 1 T122N R50W (NW ¼ NE ¼ Section 1)
Latitude 45.41141, Longitude -96.87158

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

	Priority Date		Priority Date	
	November 26, 2012*		March 27, 2012**	
All land is located in Section 1, T122N, R50W	NE ¼ SW ¼	36 acres	NW ¼ NW ¼	12 acres
	SE ¼ SW ¼	36 acres	NE ¼ NW ¼	28 acres
			SE ¼ NW ¼	36 acres
	NW ¼ SE ¼	39 acres	SW ¼ NW ¼	7 acres
	NE ¼ SE ¼	4 acres		
Total 349 acres	SE ¼ SE ¼	4 acres	NW ¼ NE ¼	35 acres
	SW ¼ SE¼	38 acres	NE ¼ NE ¼	25 acres
			SE ¼ NE ¼	11 acres
			SW ¼ NE ¼	38 acres

* November 26, 2012 priority date was established under No. 7530-3

** March 27, 2012 priority date was established under No. 7341-3

continued

Water License No. 7530-3

Page 2

(4) Pursuant to South Dakota Water Law 46-5-30.1 Tyler Ammann, 13639 466th Ave, Wilmot, SD 57279 the holder and/or owner of Incorporated Water Right No. 7530-3 is issued a license to appropriate water, the right to use 2.90 cubic feet of water per second from ground water, one well (Revilla Aquifer) with priority dates of March 27, 2012 and November 26, 2012 from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7530-3 and subject to the following qualifications:

- The well approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by No. 7530-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the 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. ***The well was drilled in August 2012 by Manikowski Well Drilling Inc. A copy of the well completion report is on file with the Water Rights Program.***
- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.


Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

SEP 20 2021

date

