

WATER PERMIT NO. 7516-3

Name of Applicant: David Zubke

Address: 44769 149th St, Waubay SD 57273

Phone: 605 265-0069

Amount of Water Claimed: 2.22 cfs

Total Acres: 170 acres

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Grant

Type of Waste Disposal System:

Location: 30 miles northwest of Milbank

PRIORITY

Date Received: 11-14-12

Application/License Fee: \$ 1050

Corrected Application Received:

Period of Annual Use: April 1 – October 31

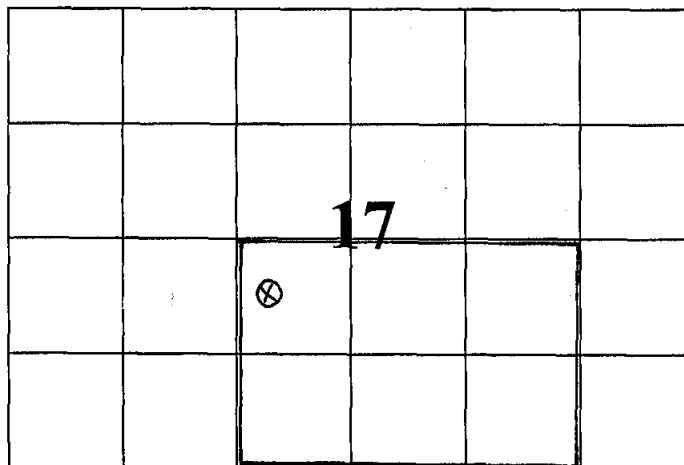
Remarks:

Diversion Point: NE 1/4 SW 1/4 Sec 17-T121N-

R52W

Land to be Irrigated: SE 1/4, E 1/2 SW 1/4 Sec 17-

T121N-R52W



Depth of Well: 100 feet deep

Well Driller: Steffl Drilling & Pump Inc.

Remarks:

Type of Map: aerial

Prepared by: Matt Hubers, FSA

Reviewed and the Number Assigned on: 11-15-2012

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

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NOV 14 2012

WATER RIGHTS
PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>7516-3</u>	(office use only) Hydrologic Unit <u>10170201</u>
	Basin <u>Sioux River</u>	<u>605-432-4516</u>
	Newspaper <u>Grant Co. Review Box 390 Millbank 57252</u>	
	<u>Public Opinion Box 18 Watertown 57201-605-886-6901</u>	

Application For Permit To Appropriate Water For Irrigation

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

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

1. Name of Applicant David Zubke Phone 605-265-0069
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 44769 149th St Waubay SD 57273
(Address) (City) (State) (Zip Code)
2. Amount of water claimed 2.22 *CFS or 1000 **GPM ***AF Total Acreage 170
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply Well
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Grant
NE of SW of Sec 17-121-52
5. County or counties where water will be used Grant
6. Annual period during which water is to be used April thru Oct. 31
7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NE of SE Sec 17	32	NE of SW of Sec 17	15
SE of SE Sec 17	32	SE of SW of Sec 17	15
NW of SE Sec 17	38		
SW of SE Sec 17	38	acres T-121N-R52W	

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

Irrigation to increase productionSTATE OF SOUTH DAKOTA)
County of Day) SS

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)

I, David Zubke, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.Applicant's signature David ZubkeSubscribed and sworn to before me this 13th day of November 20 12Paul J. Reisch

Notary Public, Day County, S. Dak.

My Commission Expires
January 30, 2016

Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 7516-3**

Date of first receipt of application November 14, 2012.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7516-3 to David Zubke, 44769 149th St, Waubay SD 57273 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. 7516-3 appropriates 2.22 cubic feet of water per second from one well to be completed into the Big Sioux:North Aquifer (45 feet deep) located in NE 1/4 SW 1/4 Section 17 for irrigation of 170 acres located in the SE 1/4, E 1/2 SW 1/4 Section 17; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.
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: April 1 – October 31.
3. The date from which applicant may claim right is November 14, 2012.
4. The date of approval of Permit No. 7516-3 is February 4, 2013.
5. One-fifth of the construction is to be completed on or before August 4, 2015.
6. All construction is to be completed on or before February 4, 2018.
7. Water is to be put to beneficial use on or before February 4, 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. 7516-3 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 12 2013
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

See well Log

- a) Drill Hole Diameter _____ Depth _____
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
- On applicant's property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

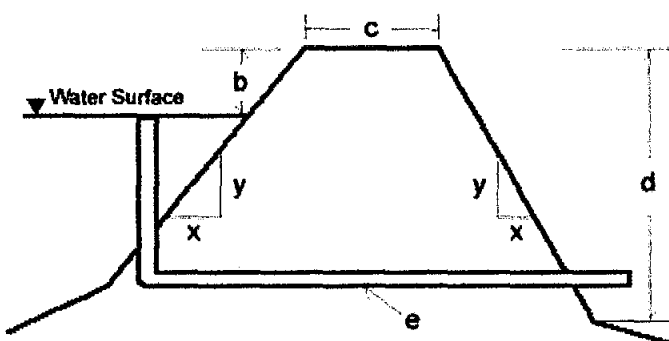
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

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

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



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres



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USDA - Farm Service Agency

Grant, SD

17-121N-52W

1:7,782

October 20, 2008

Mark Miller
NRCS - Milbank.
11-13-2012

N



USDA FSA maps are for FSA Program administration only. There is no guarantee or representation to the user as to the accuracy, currency, suitability or reliability. FSA MAPS DO NOT REPRESENT A LEGAL SURVEY. The user accepts the data 'as is' and assumes all risks associated with its use. Wetland points reflect records available with NRCS and may or may not constitute a full inventory of the property. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data.

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



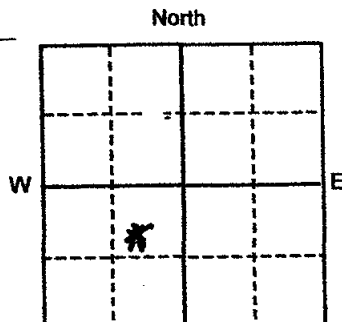
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SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE ¼ SW ¼ Sec 17 Twp 121 Rg 52

County Grant

Please mark well
location with an "X"

Well Completion Date

November 5, 2012

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:

mud rotary

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
Qu Grout	6	Lb/gal	0.0 Ft	100.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe
 ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes
 ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

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

Well Owner: David Zubke

Business Name:

Address: 44769 149th St

City, State, Zip: Waubay SD 57273

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
Top Soil Blk	0	3
Sandy Clay	3	19
Sand M	19	45
Sandy Clay Blu	45	60
Clay H-Sticky	60	100

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

 Test Hole #2
 45 15' 29.3"N
 97 11' 59.7"W

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

Drilling firm: Steffi Drilling & Pump Inc

Signature of License Representative

Signature of Well Owner or Equitable Property Holder:

Date: 11-13-12



E-MAILED

11/9/12
SC 435m

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WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

RECEIVED OF David Zubke 44769 149th St Date November 15 ²⁰12
Waubay SD 57273

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

Fee for Application for Permit No. <u>7516-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	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>7516-3</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	1050.00

No. **05688**

By Harland Erbelev
Chief Engineer /KS



**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. 7516-3, David Zubke**

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. 7516-3, David Zubke, 44769 149th Street, Waubay SD 57273.

The Chief Engineer is recommending APPROVAL of Application No. 7516-3 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. 7516-3 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 15, 2013

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7516-3
DAVID ZUBKE
JANUARY 7, 2013

Water Permit Application No. 7516-3 proposes to appropriate 340 acre-feet per year (ac-ft/yr) at a maximum diversion rate of 2.2 cubic feet of water per second (cfs) from one well to be completed into the North management unit of the Big Sioux aquifer. The well is expected to be approximately 45 feet deep. The wells are to be located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 17, T121N-R53W. This permit application proposes to irrigate 170 acres located in the SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 17, T116N-R53W in Grant County. The wells and acreage proposed by this application are located within the former boundaries of the Sisseton Wahpeton Indian Reservation.

AQUIFER: North management unit of the Big Sioux aquifer (BS: N)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Big Sioux: North is generally a surficial outwash that is unconfined in the area of the proposed well sites. In total, the Big Sioux: North aquifer is estimated to underlie 83,500 acres and contain 187,880 acre-feet (ac-ft) of recoverable water in storage. The aquifer extends north into Roberts County and south into Codington and Hamlin Counties. In Grant and Roberts Counties combined, the aquifer is estimated to underlie 10,000 acres and contain 22,500 ac-ft of recoverable water in storage (Hedges and others, 1982). The aquifer is hydraulically connected to the Big Sioux River and water in the aquifer generally moves from north to south and locally towards the Big Sioux River.

In the area of the proposed well site, the top of the Big Sioux: North aquifer can be encountered between 10 and 30 feet below ground surface and the aquifer thickness is approximately 20 to 30 feet (Hansen, 1990; Stach and others, 1981). The well completion report submitted for the south well documents layers of sand and clay from ground surface to 35 feet below ground surface, coarse sand from 35 to 55 feet below ground surface, and a static water level of 24 feet below ground surface. The test hole completion report submitted with this application identifies a layer of sandy clay to 19 feet below ground surface, a layer of sand from 19 to 45 feet below ground surface, and clay to 100 feet below ground surface. No static water level is reported on the test hole completion report.

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 existing rights from the aquifer pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate 340 ac-ft/yr from the Big Sioux: North aquifer. If this application is approved, the actual water use will be less than the appropriation. The probability of unappropriated water 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 water to the groundwater source."

WATER BALANCE:*Recharge:*

Recharge to the Big Sioux: North aquifer occurs due to infiltration of precipitation in areas where the aquifer is near land surface and inflow from the Big Sioux River during wet years (Hansen, 1990). Hedges and others (1985) estimated recharge to the aquifer to be 1.0 to 6.9 inches per year (in/yr). Putnam and Thompson (1996) estimated recharge to the aquifer to be 2.9 to 5.8 in/yr with conservative estimate of recharge of 5.53 in/yr when under steady state conditions. Using this steady state recharge rate and the area of the aquifer in Grant and Roberts Counties, the estimated average recharge is 4,608 ac-ft/yr for the portion of the Big Sioux: North aquifer underlying Grant and Roberts Counties.

Discharge:

Discharge from the aquifer may occur due to evapotranspiration in areas where the aquifer is near land surface, outflow to the the Big Sioux River during dry years, and well withdrawals (Hansen, 1990). There are a total of 18 water rights/permits appropriating water from the Big Sioux: North aquifer in Grant and Roberts Counties, all of which are for irrigation use (Water Rights, 2012b).

Figure 1 shows the historic irrigation data for the Big Sioux: North aquifer in Grant and Roberts Counties. The development of this aquifer for irrigation use increased sharply in 1998 but has remained steady since then. In 2011, water appropriated from the Big Sioux: North aquifer in Grant and Roberts Counties for irrigation totaled 4,614 ac-ft/yr. Annual withdrawal from this aquifer fluctuates, probably mostly due to yearly climatic conditions. The average pumpage reported over the entire period of record equals 610.5 ac-ft/yr. The maximum pumpage reported over the entire period of record was in 2006 for 1,659 ac-ft/yr. Since the increase in development of the aquifer, there has also been an increase in pumpage. The average pumpage reported from 1998 to 2011 equals 1,035.5 ac-ft-yr. (Water Rights, 1979-2011).

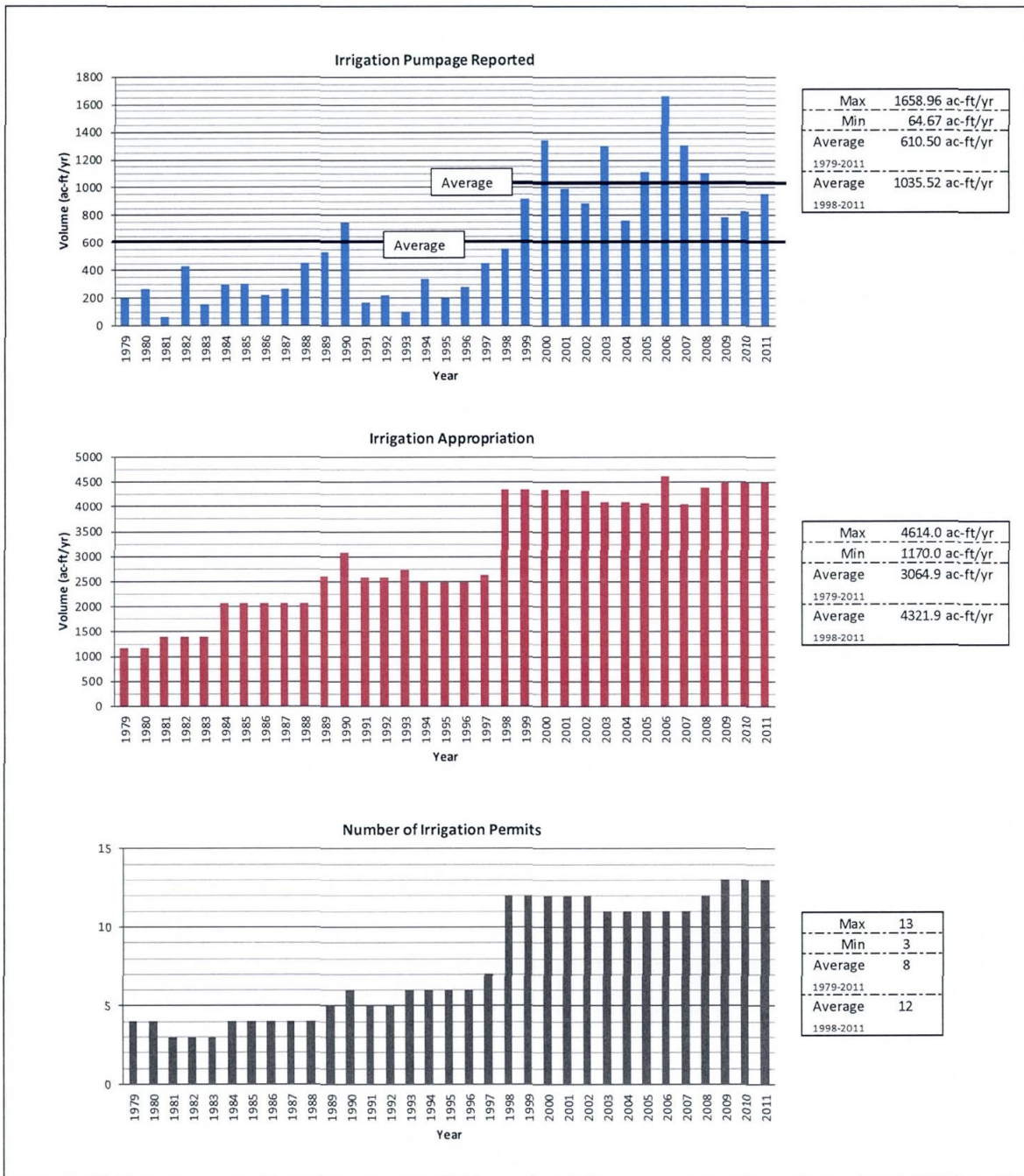


Figure 1: Historic irrigation water use from the Big Sioux: North aquifer in Grant and Roberts Counties (Water Rights, 1979-2011)

As indicated by Figure 1, historically actual water use has not exceeded the average annual recharge. Since the reporting of the 2011 irrigation questionnaires 3 new irrigation permits have been issued for withdrawals from the Big Sioux: North aquifer in Grant County. There were no new permits issued in Roberts County. Combined, these permits appropriate 1160 acre-feet/year at a maximum diversion rate of 5.33 cubic feet per second of water. With the addition of the permits issued in the past year and this application it is still expected that withdrawals will not exceed average annual recharge to the Big Sioux: North aquifer in Grant and Roberts Counties.

In addition, there are many domestic wells on file with the SD DENR-Water Rights Program in Grant and Roberts Counties that appear to be completed into the Big Sioux: North aquifer (Water Rights, 2012c). The annual withdrawal due to domestic use is not significant to the hydrologic budget of the aquifer.

Hydrologic Budget:

For the Big Sioux: North aquifer in Grant and Roberts Counties, the estimated average recharge greatly exceeds the average annual withdrawal over the entire period of record, the average annual withdrawal since the increase in development, and also the maximum annual withdrawal over the entire period of record. Therefore, there is a reasonable probability that unappropriated water is available from the Big Sioux: North aquifer for the proposed appropriation of 340 ac-ft/yr.

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 27 observation wells completed into the Big Sioux: North aquifer (Water Rights, 2012a). The nearest of these wells, GT-77B and GT-77D, are located approximately 0.7 miles northeast and 2.2 miles southwest of the proposed well site, respectively. The hydrograph of these observation wells are shown in Figures 2 and 3.

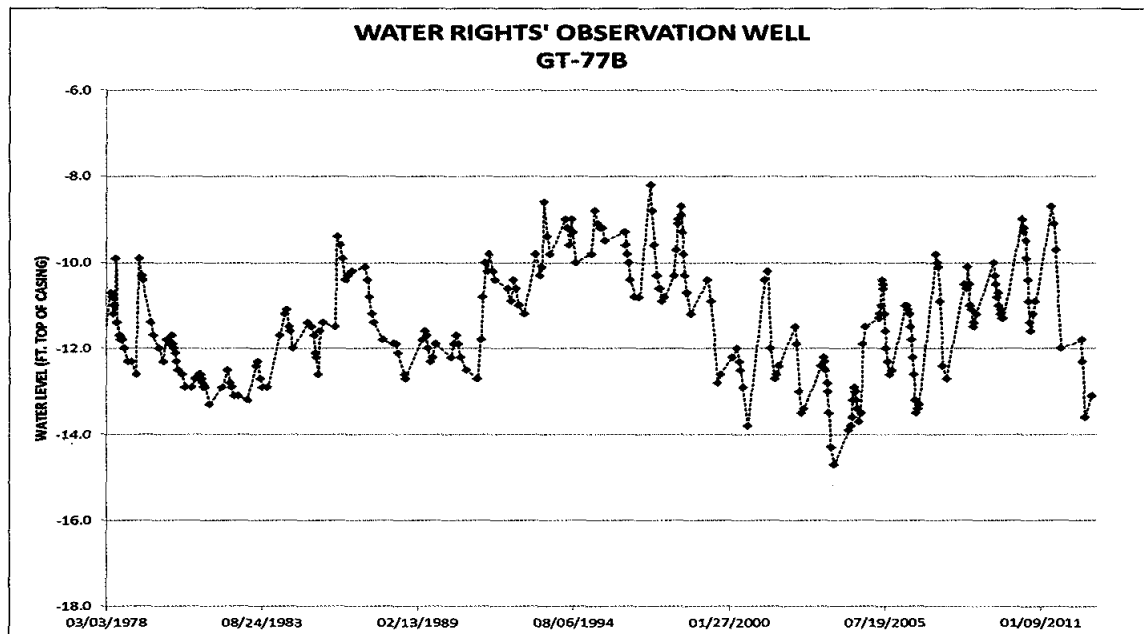


Figure 2: Hydrograph for DENR-Water Rights' observation well GT-77B (Water Rights, 2012a)

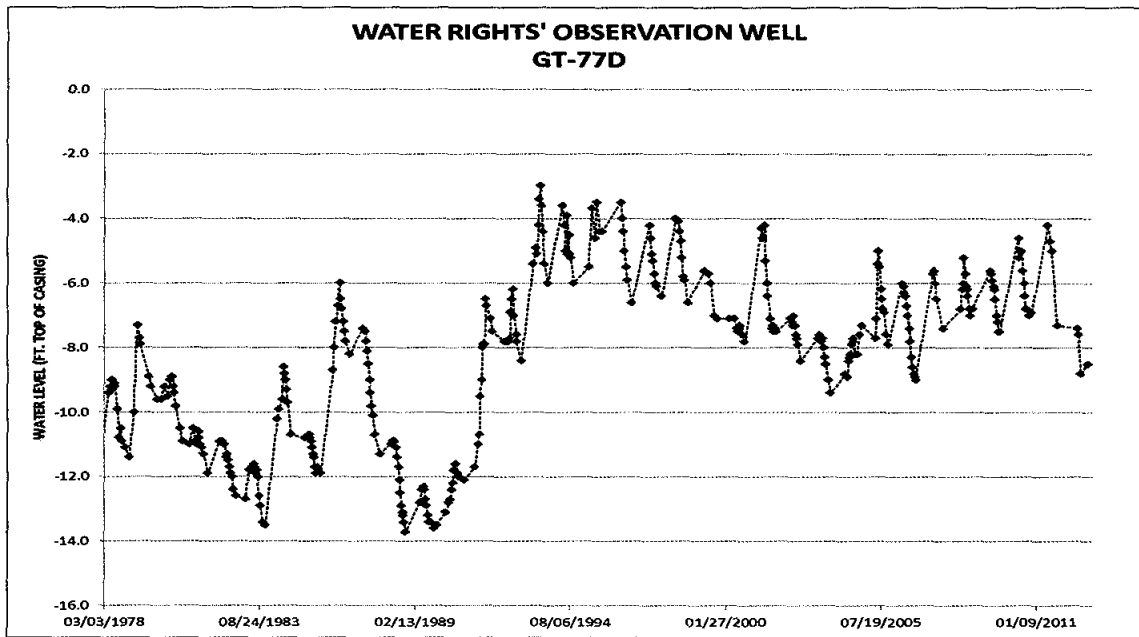


Figure 3: Hydrograph for DENR-Water Rights' observation well GT-77D (Water Rights, 2012a)

The observation well data documents cyclic conditions of water levels, recharging during wet years and declining during dry years. The hydrographs also show the effects of nearby pumping on the aquifer. This data documents that, at the current level of development, temporal well withdrawal is masked by climatic conditions. Therefore, recharge to and natural discharge from the aquifer greatly exceeds well withdrawal. These hydrographs indicate that unappropriated water is available from this area of the Big Sioux: North aquifer to support the proposed appropriation of 340 ac-ft/yr at the proposed well site.

EXISTING WATER RIGHTS:

There are 18 water rights/permits appropriating water from the Big Sioux: North aquifer in Grant and Roberts Counties. There are six water rights/permits withdrawing from the Big Sioux: North aquifer within two miles of the proposed well sites, the closest being 0.6 miles (Water Rights, 2012b). There are two domestic wells on record with the SD DENR-Water Rights Program within two miles of the proposed well site that appear to be completed into the Big Sioux: North aquifer (Water Rights, 2012c). These are shown in Table 1. Due to the distances between the proposed wells and the wells of existing water right/permits and domestic users, drawdown is not expected to be significant. Interference is not expected to be a concern to surrounding wells due to the addition of the proposed well.

It should be noted that a small portion of the Big Sioux: North aquifer is considered fully appropriated due to its isolated condition. The proposed well sites are not located within or near the boundaries of the fully appropriated area.

PERMIT NO.	NAME	STATUS	TYPE	CFS	ACRES
6098-3	Cheryl Berger	LC	IRR	2.0	110
5968-3	Don Endres	LC	IRR	2.11	132
6030-3	Endres Family Trust	LC	IRR	2.12	132
6099-3	Endres Family Trust	LC	IRR	2.11	132
5746-3	Zirbel Dairy	LC	IRR	2.11	132
6066-3	Zirbel Dairy	PE	IRR	1.55	50
	Art Berger		DOM		
	Tom Lee		DOM		
LC = Water Right, PE = Water Permit, IRR = Irrigation, DOM = Domestic					

Table 1: Water rights/permits and domestic wells within two miles of the proposed well site completed into the Big Sioux: North aquifer (Water Rights, 2012b; Water Rights, 2012c)

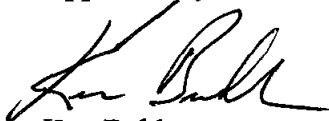
CONCLUSIONS:

1. The application proposes to appropriate 340 ac-ft/yr for irrigation from one well.
2. There is a reasonable probability that unappropriated water is available from the Big Sioux: North aquifer to supply the proposed appropriation.
3. There is a reasonable probability that this proposed well will not adversely impact existing nearby wells.



Lynn Beck
Natural Resources Engineer III
SD DENR-Water Rights Program

Approved by



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Buhler, K. 2012. Report of Water Permit Application No. 7329-3 for Michael Barrett. 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-Resources Investigations Report 89-4147, 47 p.
- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., and Schoon, R.A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report. U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S., Allen, J., and Holly, D.E. 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.
- Putnam, L.D., and Thompson, R.C. 1996. Appraisal of the Water Resources of the Big Sioux Aquifer, Codington and Grant Counties, South Dakota: U.S. Geological Survey Water Resources Investigation No. 96-425, 34 p.
- Stach, R.L., Mika, J., Tomhave, D.W., and Wittenhagen, D. 1981. Task 1 – Completion Report Big Sioux Aquifer Study, Eastern South Dakota: South Dakota DENR-Geological Survey, Vermillion, SD.
- Water Rights. 1979-2011. "Annual Irrigation Summary by Aquifer": SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Printer's Affidavit of Publication

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STATE OF SOUTH DAKOTA
COUNTY OF GRANT

} ss.

JAN 28 2013

Ann Tuchscherer

WATER RIGHTS
PROGRAM

of said County and State, being first duly sworn, on oath says that the Grant County Review is a legal weekly newspaper of general circulation, printed and published in Milbank, in said County of Grant and State of South Dakota, by Phyllis Justice, and has been such newspaper during the times hereinafter mentioned; that said newspaper is a legal newspaper; and that it has a bona fide circulation of more than two hundred copies weekly, and has been published within said County of Grant in the English language and has been admitted to the United States mail under second class mailing privilege, for at least one year next prior to the publication of the Notice herein mentioned, and has been printed wholly in an office maintained at the said place of publication, that I, the undersigned, Bookkeeper of said newspaper, in charge of the advertising department thereof, have personal knowledge of all the facts stated in this affidavit; that the advertisement headed Notice of

Application No. 7516-3 to Appropriate Water

a printed copy of which, taken from the paper in which the same was published, is attached to this sheet and is made a part of this Affidavit, was published in said newspaper at least once each week for one successive weeks, on the day of each week on which the said newspaper was regularly published, to-wit:

<u>January 23</u> 20 <u>13</u>	20
20	20
20	20

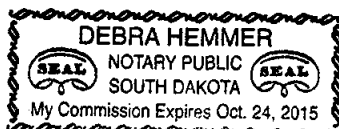
That \$ 23.54, being the full amount of the fee charged for the publication of said Notice, inures to the benefit of the publisher of the Grant County Review; that no agreement or understanding for the division thereof has been made with any person, and that no part has been agreed to be paid to any person whomsoever.

Ann Tuchscherer

Subscribed and sworn to before me this 25th day of Jan 20 13

Debra Hemmer

Notary Public, Grant County, South Dakota



NOTICE OF APPLICATION

NO. 7516-3 to Appropriate Water

Notice is given that David Zubke, 44769 149th St, Waubay, SD 57273 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from one well to be completed into the Big Sioux North Aquifer (45 feet deep) located in NE 1/4 SW 1/4 Section 17 for irrigation of 170 acres located in the SE 1/4, E 1/2 SW 1/4 Section 17; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7516-3 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 4, 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 an approximate cost of \$23.54.

Publication Fee \$ 23.54
Notarial Fee \$ _____
Total \$ 23.54

RECEIVED

JAN 29 2013

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
County of Codington)

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 23rd, 2013

Cost of Printing \$53.37

Monica K. Saathoff
(Signature)

Bookkeeper

(Title)

January 23rd, 2013

(Date Signed)

DEPARTMENT OF ENVIRON- MENT AND NATURAL RESOURCES

NOTICE OF APPLICATION NO. 7516-3 to Appropriate Water

Notice is given that David Zubke, 44769 149th St, Waubay SD 57273 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from one well to be completed into the Big Sioux North Aquifer (45 feet deep) located in NE 1/4 SW 1/4 Section 17 for irrigation of 170 acres located in the SE 1/4, E 1/2 SW 1/4 Section 17, all in T121N-R52W within the former boundaries of the Sisseton, Wahpeton, Indian Reservation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7516-3 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. Pimer, Secretary, Department of Environment and Natural Resources.

Published once at the approximate cost of \$53.75.
(January 23, 2013)

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 15, 2013

Grant County Review
PO Box 390
Milbank SD 57252

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7516-3 to Appropriate Water. Please publish the notice once on January 23, 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 David Zubke, 44769 149th St., Waubay SD 57273 (Ph # 605-947-4114).

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 15, 2013

Public Opinion
PO Box 10
Watertown SD 57201

ATTENTION: Legal Public Notice

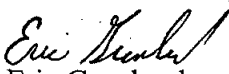
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Sincerely,


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 15, 2013

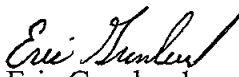
David Zubke
44769 149th St
Waubay SD 57273

Dear Mr. Zubke:

Water Permit Application No. 7516-3 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 Grant County Review printed at Waubay SD (Ph # 605-432-4516) 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 23, 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. 7516-3 to Appropriate Water

Notice is given that David Zubke, 44769 149th St, Waubay SD 57273 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from one well to be completed into the Big Sioux:North Aquifer (45 feet deep) located in NE 1/4 SW 1/4 Section 17 for irrigation of 170 acres located in the SE 1/4, E 1/2 SW 1/4 Section 17; all in T121N-R52W within the former boundaries of the Sisseton Wahpeton Indian Reservation.

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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 12 2013

David Zubke
44769 149th St
Waubay SD 57273

Dear Mr. Zubke:

Enclosed is Water Permit No. 7516-3 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

NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 9-24-15TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181FROM: David Zubke
(name)44769 149th St
(address)Waybay SD 57273
(city, state, zip)605-265-0069
(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

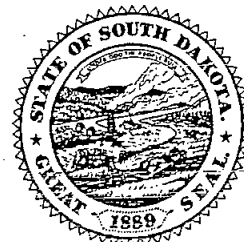
Water Permit No. 7516-3 states that the water use system is to be constructed by 2-4-18, and water is to be put to beneficial use by 2-4-22.
(date) (date)

The water use system was completed on 6-20-14.
(date)

Applying the water to beneficial use was completed on 6-20-14.
(date)

You may schedule an investigation so that the water license may be issued.

David Zubke
(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

September 28, 2015

7516-3

David Zubke
44769 149th St
Waubay SD 57273

Dear Mr. Zubke:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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

7516-3

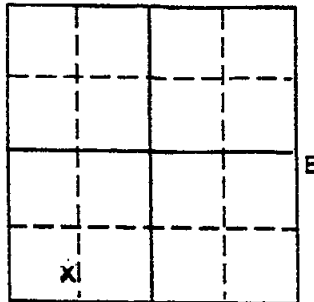
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 SW 1/4 Sec 17 Twp 121N Rg 52WCounty Grant

North

Please mark well location with an "X"



Well completion Date

9/23/13

1 Mile

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? - 0 - ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Forward Rotary

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>200 lbs</u>	<u>12 IN</u>	<u>0 FT</u>	<u>39 FT</u>	<u>18 1/2 IN</u>
<u>150 LB/FT</u>	<u>IN</u>	<u>FT</u>	<u>FT</u>	<u>IN</u>
<u>150 LB/FT</u>	<u>IN</u>	<u>FT</u>	<u>FT</u>	<u>IN</u>

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Wye-Ben</u>	<u>8</u>	<u>15 Lb/gal</u>	<u>0 FT</u>	<u>29 FT</u>
		<u>Lb/gal</u>	<u>FT</u>	<u>FT</u>

Describe grouting procedure Full hole grouting from 12 inch to 29'

SCREEN:

- ☐ Perforated pipe ☒ Manufactured

Diameter 12 Inches Length _____ FeetMaterial PVC Even-FltSlot Size .100 Set From 39 Feet to 54 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 sample sent to for water quality analysis _____

Well Owner: Davin Zuhkey

Business Name: _____

Address1: 44769 149th St

Address2: _____

City, State, Zip: Waubay, SD 57273

WELL LOG:

DEPTH

FORMATION	FROM	TO
<u>top soil</u>	<u>0</u>	<u>2</u>
<u>clay</u>	<u>2</u>	<u>20</u>
<u>clay</u>	<u>20</u>	<u>39</u>
<u>coarse sand</u>	<u>39</u>	<u>54</u>

STATIC WATER LEVEL

4' 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? yes

WELL TEST DATA:

☐ Pumped Describe: Art line☐ Bailed☒ Other

Pumping Level Below Land Surface

15 Ft. After 1 Hrs. pumped 500 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: 950 GPM

REMARKS

This well was drilled under license # 480

And this report is true and accurate.

Drilling firm: Wieber Well DrillingSignature of License Representative: Jerry Wieber

RECEIVED

Signature of Well Owner or Equitable Property Holder: _____

JAN 25 2019

Date: 9/23/13
 523 E. Capitol Ave., Pierre SD 57501

WATER RIGHTS PROGRAM

Please return White Copy to DENR Water Rights

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7516-3

I have this day, September 4, 2018, made a thorough examination of the water use system constructed by David Zubke of 44769 149th St, Waubay SD 57273 holder of Permit No. 7516-3, bearing the priority of November 14, 2012 authorizing the diversion of 2.22 cu. ft. per second of the waters of ground water (Big Sioux:North aquifer) for irrigation use purposes, in Grant County.

Inspection contact & relationship David Zubke, owner

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Wieber Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 54 feet
- 4) Well log is available Y If no, explain in comments

Comments: I had to contact the well driller to obtain a copy of the well log, a copy will be scanned and included in the logs database.

Casing:

- 1) Diameter 12 inches
- 2) Length 29 feet
- 3) Type plastic

Screen:

- 1) Type PVC
- 2) Length 15 feet
- 3) Static water level 4 feet

Pump:

- 1) Make NA
- 2) Model submersible
- 3) Size NA
- 4) Capacity 900 GPM

Motor:

- 1) Make NA
- 2) Model No. submersible
- 3) Horsepower rating 50 hp

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

- 1) Type PVC
 - 2) Size 10 inches
 - 3) Length 2350 feet
- Comments: none

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Valley
- 2) Overall length 1300 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 900 GPM

Chemigation Equipment:

- 1) Does chemigate Y
- 2) Main line check valve Y
- 3) Inspection port/air relief Y
- 4) Low pressure drain Y
- 5) Discharge is 20' from source Y
- 6) Interlock type electrical
- 7) Injection pump type piston
- 8) Injection check valve Y
- 9) Injection line check valve or positive displacement pump Y

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 List any extended period of nonuse: none
- 3) Exceptions to compliance are: none

E. Condition and Location:

The system is in good condition with the point of diversion located as follows: from the SW corner of Sec 17, T121N-R52W (res): 1465 ft E & 1670 ft N; latitude of 45.25831 and a longitude of -97.20023, NE ¼ SW ¼.

1. The works are capable of diverting and conveying to the place of use 2.00 cu. ft. per second of water which is to be used for irrigation use. Water has been put to beneficial use to the maximum extent as follows:

All land is located in Sec 17 T121N-R52W (res)

NW ¼ SE ¼ - 35.5 ac NE ¼ SE ¼ - 32.0 ac SE ¼ SE ¼ - 32.0 ac SW ¼ SE ¼ - 35.5 ac

NE ¼ SW ¼ - 5 ac SE ¼ SW ¼ - 5 ac

comprising a total of 145 acres of land. The license should be issued for 2.00 cfs.

2. All structures, wells and lands on map Y



Mark D Rath, Natural Resources Engineer
DENR, Water Rights Program

Date report completed: 01/25/18

Diversion Point
From the SW corner of
Sec 17 T121N-R52W (res)
1465 ft E & 1670 ft N
Latitude 45.25831
Longitude -97.20023

Irrigated acres all in
Sec 17 T121N-R52W (res)

NW 1/4 SE 1/4 - 35.5 ac
NE 1/4 SE 1/4 - 32 ac
SE 1/4 SE 1/4 - 32 ac
SW 1/4 SE 1/4 - 35.5 ac
NE 1/4 SW 1/4 - 5 ac
SE 1/4 SW 1/4 - 5 ac

Well

Sec 17 T121N R52W (res)



0 0.125 0.25 0.5 Miles

Mark D Rath
Natural Resources Engineer
January 7, 2019



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

MAR 19 2019

7516-3

David Zubke
44769 149th St
Waubay SD 57273

Dear Mr. Zubke:

Enclosed is Water License No. 7516-3. 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, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7516-3**

(1) David Zubke, 44769 149th St, Waubay SD 57273 made Application No. 7516-3, November 14, 2012 for a water permit to divert 2.22 cubic feet of water per second from ground water, one well (Big Sioux North Aquifer), Grant County, South Dakota for irrigation purposes. Permit No. 7516-3, with a priority date of November 14, 2012 was approved February 4, 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 4, 2018 and for the application to beneficial use of said water on or before February 4, 2022.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the water supply system and is entitled to divert 2.00 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1,465'E and 1,670'N of the SW corner of Section 17, T121N, R52W (NE ¼ SW ¼)
Latitude 45.25831, Longitude -97.20023

The above location is within the former boundaries of the Sisseton Wahpeton Indian Reservation.

(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:

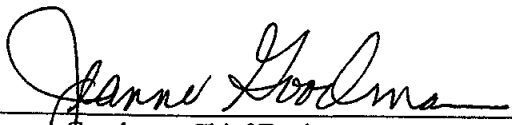
T121N, R52W Section 17	NW ¼ SE ¼	35.5 acres	NE ¼ SW ¼	5.0 acres
	NE ¼ SE ¼	32.0 acres	SE ¼ SW ¼	5.0 acres
	SE ¼ SE ¼	32.0 acres		
	SW ¼ SE ¼	35.5 acres	Total	145 acres

The above acreage is within the former boundaries of the Sisseton Wahpeton Indian Reservation.

(4) Pursuant to South Dakota Water Law 46-5-30.1 David Zubke, 44769 149th St, Waubay SD 57273 the holder and/or owner of Water Right No. 7516-3 is issued a license to appropriate water, the right to use 2.00 cubic feet of water per second from ground water, one well (Big Sioux North Aquifer) with a priority date of November 14, 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. 7516-3 and subject to the following qualifications:

- 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.
- The well authorized by Permit No. 7516-3 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 September, 2013 by Wieber Well Drilling. A copy of the well completion report is on file with the Water Rights Program.*
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.


Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAR 19 2019
date

