

WATER PERMIT NO. 8328-3

Name of Applicant: Justin VandeXWeerd & James VandeXWeerd

Address: 46659 205th St, Bruce SD 57220

Phone: 605 690 4556

Amount of Water Claimed: no additional

Total Acres: 160 acres

Source of Water Supply: existing well

Water to be used for: irrigation

County: Brookings

Type of Waste Disposal System:

Location: two miles east of Bruce

PRIORITY

Date Received: 2-1-18

Application/License Fee: \$ 1050

Corrected Application Received:

Period of Annual Use: April 1 – September 30

Remarks: Utilizing existing well authorized by Water Right No. 4442-3

Diversion Point: approximate center of NE 1/4 Sec

7-T111N-R50W

Land to be Irrigated: SW 1/4, S 1/2 NW 1/4 Sec 8-

T111N-R50W

7				8	

Depth of Well: 140 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 2-1-18

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

FORM 2: Application for irrigation in South Dakota

(type or print)

RECEIVED
FEB 01 2018
WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8328-3</u> (office use only)
	Hydrologic Unit <u>10170202</u>
	Basin <u>Sioux River</u>
	Newspaper <u>Brookings Register</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.)

Additional acres to well authorized by 4442-3

1. Name to Appear on Irrigation Permit Justin Vande Weerd + James Vande Weerd

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 46659 205 st Bruce SD 57220
(Address) (City) (State) (Zip Code)

Phone 1-605-690-4556 Mobile Same Email _____

2. Amount of water claimed no add *CFS or **GPM ***AF Total Acreage 130 ≈
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Big Sioux : Brookings aquifer

4. Location of point of diversion NW 1/4 NE 1/4 Section 7 T111N R50W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
(approximate center NE 1/4) County Brookings

5. County or counties where water will be used Brookings

6. Annual period during which water is to be used April 1 - 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
SW 1/4, SW 1/4 Sec 8 111N R50W	20	SW 1/4, NW 1/4 Sec 8 111N R50W	20
NW 1/4, SW 1/4 Sec 8 111N R50W	40	SE 1/4, NW 1/4 Sec 8 111N R50W	20
SE 1/4, SW 1/4 Sec 8 111N R50W	20		
NE 1/4, SW 1/4 Sec 8 111N R50W	40		

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

I, Justin Vande Weerd, the applicant, certify under
Name of Person Title (if applicable)
penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

SOUTH DAKOTA
WATER PERMIT NO. 8328-3

Date of first receipt of application February 1, 2018.

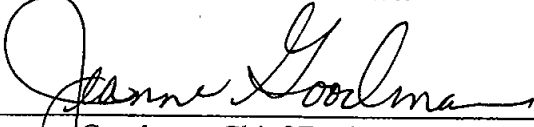
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8328-3 to Justin Vande Weerd and James Vande Weerd, 46659 205th St, Bruce SD 57220 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 8328-3 authorizes irrigation of 160 new acres. Water Right No. 4442-3 appropriates 1.78 cubic feet of water per second from one well completed into the Big Sioux:Brookings Aquifer (140 feet deep) located in the approximate center of the NE 1/4 Section 7 for irrigation of 136 acres located in the NE 1/4 Section 7; all in T111N-R50W. This permit authorizes irrigation of 160 new acres located in the SW 1/4, S 1/2 NW 1/4 Section 8-T111N-R50W from the existing well. This permit is located approximately one mile east of Bruce SD and does not authorize any increase in the developed diversion rate.
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 – September 30.
3. The date from which applicant may claim right is February 1, 2018.
4. The date of approval of Permit No. 8328-3 is April 16, 2018.
5. One-fifth of the construction is to be completed on or before October 16, 2020.
6. All construction is to be completed on or before April 16, 2023.
7. Water is to be put to beneficial use on or before April 16, 2027.
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 Water Right No. 4442-3 and Permit No. 8328-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: 

Jeanne Goodman, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

MAY 01 2018

date



Vandeweerd Water Permit

New Acres Sec 8-111N-50W
Point of diversion Sec 7

Legend

-  Endgun Watered Path
-  Feature 1
-  Pivot_1_12212017123518259



Pivot_1_12212017123518259

467th Ave

Google earth

© 2018 Google



2000 ft



Sec 6
T111N
R50W

Sec 5
T111N
R50W

Sec 7
T111N
R50W

Sec 8
T111N
R50W

Sec 18
T111N
R50W

Sec 17
T111N
R50W

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date February 1, 20 18

RECEIVED OF LJ Farms LLC 46659-205th Street Bruce, SD 57220-5801

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

Fee for Application for Permit No. <u>8328-3</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>8328-3</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. 08505

By

Jeannie Goodman
Chief Engineer

rm



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8328-3, Justin & James Vande Weerd**

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. 8328-3, Justin and James Vande Weerd, 46659 205th Street, Bruce SD 57220.

The Chief Engineer is recommending APPROVAL of Application No. 8328-3 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 wells approved under Water Right No. 4442-3 and Permit No. 8327-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
March 29, 2018

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8328-3
JUSTIN & JAMES VANDE WEERD
MARCH 29, 2018

Water Permit Application No. 8328-3 proposes to irrigate 160 acres using the well and diversion rate authority authorized under Water Right No. 4442-3. Water Right No. 4442-3 authorizes the irrigation of 136 acres located in the NE ¼ Sec. 7 at a maximum diversion rate of 1.78 cubic feet of water per second from two wells completed into the Brookings management unit of the Big Sioux aquifer located in the approximate center of the NE ¼ Sec. 7; all in T111N-R50W. This application proposes to irrigate 160 acres located in the SW ¼ and S ½ NW ¼ Sec. 8-T111N-R50W. This application, if approved, does not authorize any increase in the permitted diversion rate authorized by Water Right No. 4442-3. The land to be irrigated under this application is approximately one mile east of Bruce, SD.

AQUIFER: Big Sioux: Brookings (BS: B)

Aquifer Characteristics:

The Brookings management unit of the Big Sioux aquifer underlies approximately 324,000 acres of Brookings, Codington, Deuel, Hamlin, Kingsbury, and Moody Counties (Stonesifer, 2013). The aquifer underlies approximately 150,660 acres of Brookings County alone (Stonesifer, 2013). The Big Sioux: Brookings is comprised of very permeable, well-sorted glacial outwash sand and gravel (Hamilton, 1989; Koch, 1980). The Big Sioux: Brookings is primarily under unconfined conditions especially near the Big Sioux River and its tributaries (Hamilton, 1989). However, the aquifer can be overlain by glacial till and locally confined when away from the river and its tributaries (Hamilton, 1989).

The Brookings management unit of the Big Sioux aquifer is hydraulically connected to the Big Sioux River and to some area lakes (Koch, 1980). The aquifer is a surficial aquifer. However, in Brookings County the aquifer can be covered by as much as 212 feet of glacial drift (Hamilton, 1989). Aquifer thickness averages 30 feet but exceeds 40 feet in many areas of Brookings County (Hamilton, 1989). The well completion report on file for Water Right No. 4442-3 shows the top of the Big Sioux: Brookings aquifer is approximately 80 feet below land surface. The static water level at the well sites is expected to be between 55 and 70 feet below ground surface (Water Rights, 2018c). That means the aquifer is likely under confined conditions at the well this application proposes to use. However, approximately one mile east on the west side of the City of Bruce the static water level and top of the aquifer are approximately five feet below land surface. The ground surface elevation is approximately 70 feet higher at the well this application proposes to use than on the west side of the City of Bruce.

SOUTH DAKOTA CODIFIED LAW (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for this 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 water from the Big Sioux: Brookings aquifer. The probability of unappropriated water available from the aquifer can be evaluated by considering SDCL 46-6-3.1, which requires “No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source.” If the source of the water is older or lower than the Greenhorn Formation and a water distribution system has applied for a permit, the Board need not consider the recharge/withdrawal issue. The aquifer is not stratigraphically lower than the Greenhorn Formation and the applicant is not a water distribution system. Therefore, the recharge/withdrawal issue does need to be considered.

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that the Water Management Board shall rely upon the record of observation well measurements in addition to other data to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.

The DENR-Water Rights Program monitors 79 observation wells completed into the Big Sioux: Brookings aquifer with 41 of those observation wells in Brookings County (Water Rights, 2018a). Big Sioux: Brookings aquifer observation wells BG-75E, BG-75F, BG-75I, and BG-80C are 2.1 miles northwest, 1.4 miles southwest, 2.7 miles north-northwest, and 2.3 miles north-northeast of the well this application proposes to use. The hydrographs for these observation wells are shown in Figure 1. The hydrographs for observation wells BG-75E, BG-75F, BG-75I, and BG-80C are representative of the hydrographs for the other observation wells completed into the Big Sioux: Brookings aquifer. The observation well hydrographs show that over the period of record water levels have remained fairly stable.

Overall, the hydrographs show the dominant factor on the water level is caused by climatic conditions and not pumping. The water level rises during wetter periods and slowly declines during drier periods. This means recharge to and natural discharge from the aquifer significantly exceeds withdrawals. Recognizing that natural discharge from an aquifer can be captured for pumping, there is a reasonable probability unappropriated water is available for this proposed appropriation.

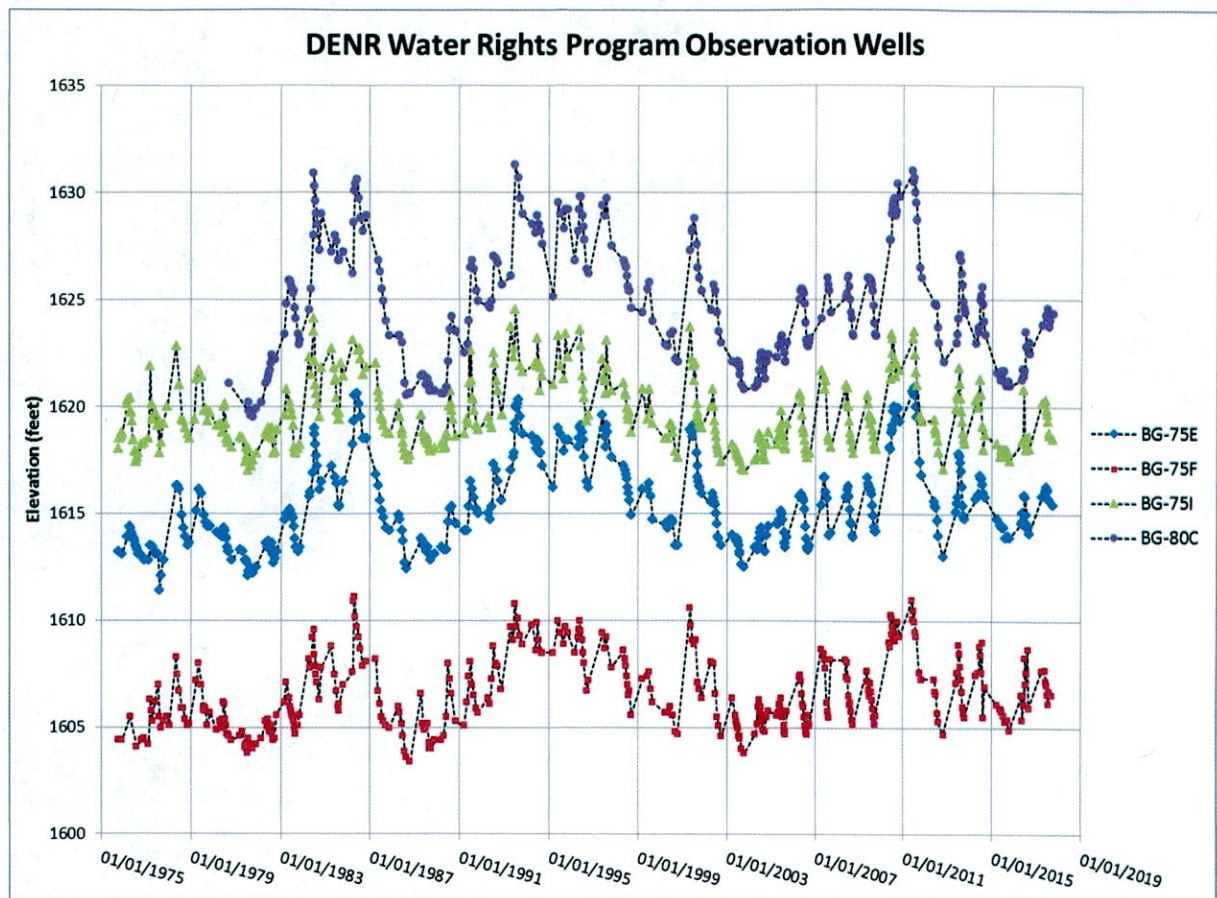


Figure 1- Hydrographs of observation wells BG-75E, BG-75F, BG-75I, and BG-80C completed into the Big Sioux: Brookings aquifer (Water Rights, 2018a)

Hydrologic Budget:

Recharge:

The Big Sioux: Brookings is recharged through infiltration of precipitation, and seepage from the Big Sioux River and its tributaries (Koch, 1980). The aquifer may also be recharged from hydraulically connected lakes where the potentiometric surface of the lake is above that of the aquifer and groundwater inflow from adjacent, hydraulically connected aquifers.

Hedges and others (1985) stated for various management units of the Big Sioux aquifer 2.7 to 6.9 in/yr. is a probable recharge rate range. Kume (1985) estimated a recharge rate to the Big Sioux aquifer in Hamlin and Deuel Counties of 5.11 in/yr. Koch (1980) estimated a recharge rate of 6.57 in/yr. to the unconfined portions of the Big Sioux aquifer in Brookings, Deuel, and Hamlin Counties. The specific recharge to the Brookings management unit of the Big Sioux aquifer as estimated by Hedges and others (1985) using observation well analysis is 4.0 in/yr. The observation well data method used by Hedges and others (1985) does not account for recharge to the aquifer when the water level in the observation well is declining (i.e. withdrawals plus discharge from the aquifer are greater than recharge to the aquifer). Therefore, the 4.0 in/yr. from Hedges and others (1985), while it is specific to the Brookings management unit of the Big Sioux aquifer, should be considered less than the actual recharge rate to the management unit.

Using the areal extent estimate from Stonesifer (2013), 324,000 acres, and the 4.0 in/yr. recharge rate from Hedges and others (1985), the estimated average annual recharge to the Big Sioux: Brookings aquifer is likely more than 108,000 ac-ft/yr. Using just the area of the management unit in Brookings County, there is likely more than 50,220 ac-ft/yr. recharge to the aquifer in only Brookings County.

Withdrawals:

The Big Sioux: Brookings discharges through well withdrawals, subsurface outflow, evapotranspiration, and seepage to hydraulically connected surface water bodies, such as the Big Sioux River (Hamilton, 1989; Kume, 1985; Koch, 1980). Currently, there are 260 water rights/permits authorizing the withdrawal of water from the Big Sioux: Brookings and 11 future user permits reserving water in the Big Sioux: Brookings (Water Rights, 2018b). Of the previous numbers, there are 111 water rights/permits and 6 future use permits in Brookings County alone (Water Rights, 2018b). There are also domestic wells on file with the DENR-Water Rights Program for wells that appear to be completed into the Big Sioux: Brookings aquifer (Water Rights, 2018c). The relatively low diversion rate of domestic wells and the presence of several rural water systems throughout the areal extent of the aquifer means the amount of water withdrawn by domestic users from the Big Sioux: Brookings aquifer is not a significant portion of the overall withdrawals from the aquifer.

Non-irrigation water rights/permits are estimated to pump at their maximum permitted diversion rate for 60 percent of the time unless otherwise limited by their water right/permit to an annual volume, and future use permits can be fully developed. The municipalities of Clear Lake, Hayti, and Bruce are connected to rural water systems and retain their respective water rights for standby purposes only (Friedeman, 2018). It is assumed the water use by those municipalities under their water rights is negligible. Non-irrigation water rights/permits authorized to withdraw water from the Big Sioux: Brookings aquifer are estimated withdraw 12,717 ac-ft/yr. excluding those previously mentioned, and future use permits reserve 7,120 ac-ft/yr. that can be fully developed from the entire Big Sioux: Brookings aquifer (Water Rights, 2018b). In only Brookings County, non-irrigation use is estimated to be 6,112.6 ac-ft/yr. with 4,597 ac-ft/yr. reserved by future use permits (Water Rights, 2018b).

The historic irrigation pumpage from the entire Big Sioux: Brookings aquifer and from the aquifer in only Brookings County is shown in Table 1. The average annual irrigation pumpage of the period of record for the entire aquifer is 8,871.9 ac-ft/yr. and 4,075.1 ac-ft/yr. in just Brookings County (Water Rights, 1979-2017).

Hydrologic Budget:

The estimated average annual recharge to the Big Sioux: Brookings aquifer is likely more than 108,000 ac-ft/yr. with 50,220 ac-ft/yr. in Brookings County alone. The estimated non-irrigation use plus future use reservation is 19,837 ac-ft/yr. with 6,570 ac-ft/yr. coming from only Brookings County. The average annual irrigation pumpage is 8,872 ac-ft/yr. with 4,075 ac-ft/yr. of that coming from only Brookings County. This application, if approved, is likely to pump less than 134 ac-ft/yr. assuming an irrigation application rate of 10 in/ac. The hydrologic budget is supported by the observation well data. Therefore, there is a reasonable probability unappropriated water is available in the Big Sioux: Brookings for this proposed appropriation.

Table 1- Historic annual irrigation pumpage from the Big Sioux: Brookings aquifer and from the portion of the aquifer in Brookings County (Water Rights, 1979-2017)

Entire Aquifer				Brookings County		
Year	No. of Permits Reporting	Appropriation (ac-ft)	Pumpage (ac-ft)	No. of Permits Reporting	Appropriation (ac-ft)	Pumpage (ac-ft)
2016	210	72250.66	10267.4	88	30400.6	3234.69
2015	209	72955.86	8796.02	89	30796.6	3990.99
2014	212	74365.36	9947.64	92	32272.6	4462.14
2013	198	70084.9	15432.29	88	30962.4	6471.25
2012	177	63694.4	19482.51	81	29026.4	8547.2
2011	174	63494.4	8527.61	79	28986.4	3038.03
2010	172	62966.4	2713.39	78	28666.4	814.7
2009	174	65098.4	9172.9	84	31718.4	4617.07
2008	166	62761.8	12505.85	81	31360.6	5674.28
2007	164	62374.8	12730.13	81	31439.6	6353.63
2006	161	61075.8	14325.04	82	31778.6	6582.34
2005	159	61435.8	11513.48	81	31778.6	5083.47
2004	156	60695.8	11809.91	80	31530.6	4921.14
2003	149	58970.8	11380.47	80	31545.6	5046.02
2002	149	59186.8	12410.94	79	31265.6	6186.26
2001	149	59312.8	8384.81	79	30863.6	3862.57
2000	153	60799.8	8933.72	79	31171.6	4553.53
1999	155	62181.3	7841.04	80	31899.1	4138.46
1998	157	63306.2	8109.71	79	31664	4420.23
1997	153	62281.7	5650	81	32444	3085
1996	154	62575.2	7220.95	82	32738	3025.84
1995	161	62961.2	3862.25	84	33332	1283.66
1994	160	64395.2	2854.62	82	33164	1835.56
1993	162	64963.7	1042.9	82	32251	258.4
1992	162	64603.7	2331.6	82	32283	856.5
1991	165	65534.97	7771.74	84	32647.27	2877.2
1990	175	71616.95	5862.92	87	33636.87	2111.7
1989	166	69391.27	13930.7	83	32174.87	5263.1
1988	167	74615.27	18521.4	88	37438.87	8818.8
1987	171	76624.07	10015	93	40607.17	4833.5
1986	179	80788.57	2854.7	102	43057.67	1236.88
1985	181	81385.57	4951.4	103	43398.67	3079
1984	188	84188.07	8177.6	111	45920.17	3605.5
1983	161	74854.57	8227.46	91	39073.67	4833.77
1982	155	77754.57	4551.86	86	40804.67	2374.92
1981	198	91361	9040	125	55623	5699
1980	187	87093	9837	116	53197	4609
1979	184	85701	6144	113	52417	3170
Min	149	58,970.8	1,042.9	78	28,666.4	2,58.4
Max	212	91,361	19,482.51	125	5,5623	8,818.8
Avg.	170.3	68,939.5	8,871.9	87.8	35,140.4	4,075.1

EXISTING WATER RIGHTS:

There are five wells for three different water rights/permits within approximately one mile of the wells authorized by Water Right No. 4442-3 (see Figure 2), which this application proposes to use (Water Rights, 2018b). There are also a number of domestic wells on file with the Water Rights Program within approximately one mile of the wells this application proposes to use that appear to be completed into the Big Sioux: Brookings aquifer (Water Rights, 2018c). Figure 2 is

a map of the project area including water rights/permits authorized to withdraw water from the Big Sioux: Brookings aquifer and observation wells completed into the Big Sioux: Brookings aquifer. Table 2 is a list of the water rights/permits shown in Figure 2.

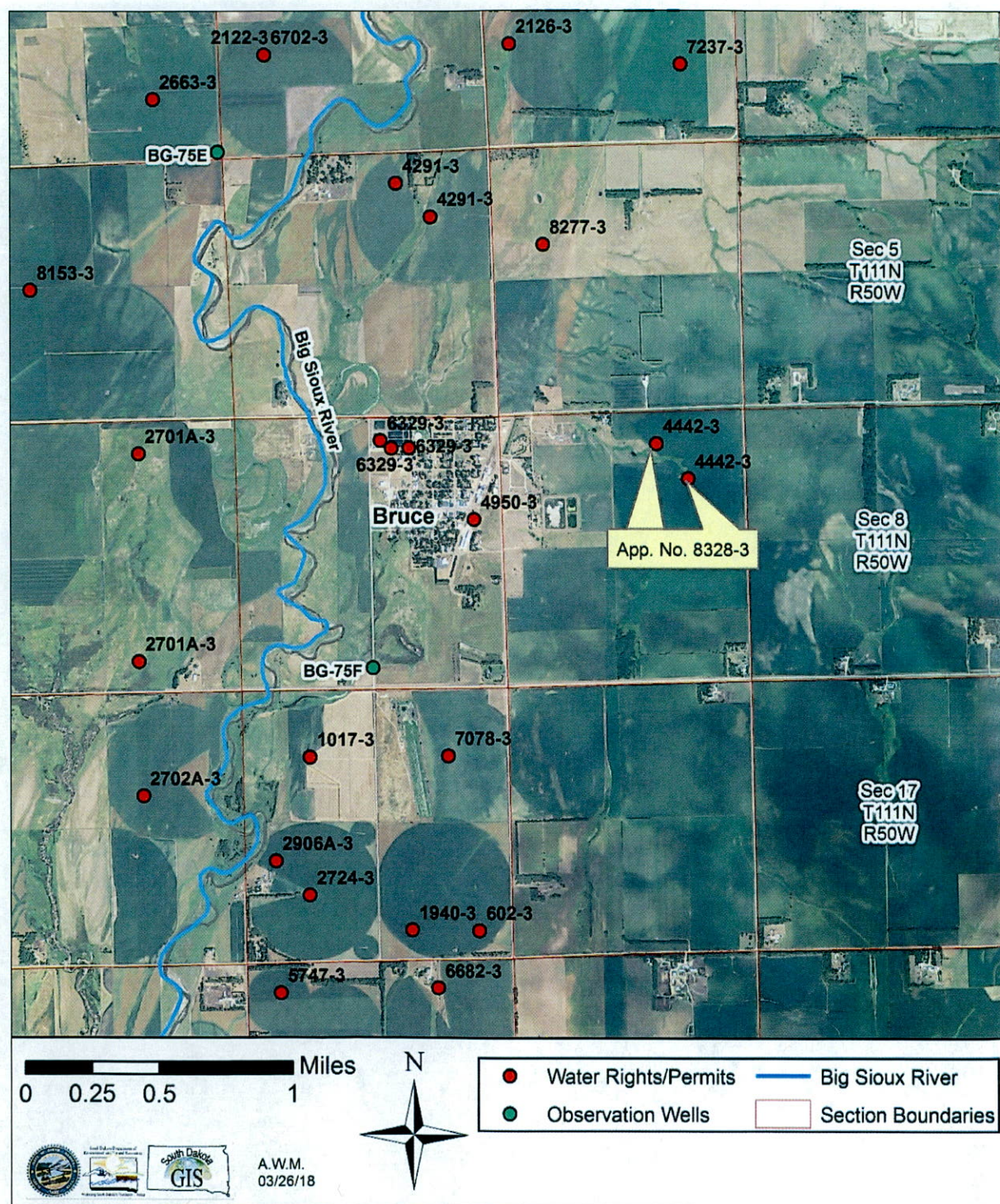


Figure 2- Map of the project area included Big Sioux: Brookings aquifer water rights/permits and observation wells (Water Rights, 2018b and 2018c)

Table 2- Water rights/permits shown in Figure 2 (Water Rights, 2018b)

Permit No.	Name	Status	Use	CFS	Acres
1017-3	Wayne Eighmy	LC	IRR	1.79	125
1940-3	Eldon Eighmy	LC	IRR	1	70
2122-3	Kent Vanderwal	LC	IRR	1	70
2126-3	David Ulvestad	LC	IRR	1.11	144
2663-3	Rick & Deb Ford	LC	IRR	1.78	135
2701A-3	Duane C Pankrantz	LC	IRR	3.34	420
2702A-3	VHS Investments	LC	IRR	1.78	184
2724-3	Harvey Cunningham	LC	IRR	0.86	60.1
2906A-3	Harvey Cunningham	LC	IRR	0.85	60
4291-3	Marion J Rus	LC	IRR	1.77	124
4442-3*	Leroy G Vande Weerd	LC	IRR	1.78	136
4950-3	City of Bruce	LC	MUN	0.27	N/A
5747-3	Terry Cunningham	LC	IRR	0.83	58
602-3	Eldon Eighmy	LC	IRR	1.1	80
6329-3	Greg Oswald	LC	COM	1.28	N/A
6682-3	Richard Vande Weerd	LC	IRR	1.33	130
6702-3	Richard Ford	LC	IRR	0.33	35
7078-3	Richard Adee	LC	IRR	1.66	199
7237-3	David Ulvestad	LC	IRR	1.56	109
8153-3	Marvin Rentsch	PE	IRR	2	245
8277-3	Haroldson Living Trust	PE	IRR	1.71	120
LC= Water Right, PE= Water Permit, IRR= Irrigation, MUN= Municipal, COM= Commercial, *= wells proposed for use by this application					

This application does not propose to increase the permitted maximum diversion rate. However, the withdrawal of more water will increase the average diversion rate. The increase in average diversion rate over a 185 day irrigation season will be 0.36 cfs, if this application is approved. That would bring the applicant's average diversion rate for Water Right No. 4442-3 and this application, assuming pumping all of the permitted volume from one well, to 0.67 cfs which is approximately 37.8 percent of their permitted maximum diversion rate (1.78 cfs) authorized by Water Right No. 4442-3. In simple terms if this application is approved, the applicant would need to pump at a rate of 0.67 cfs, if constantly pumping for 185 days, to pump a volume of water (246.7 ac-ft) to apply 10 inches to the acres authorized by Water Right No. 4442-3 (136 acres) and acreage proposed by this application (160 acres).

The hydrographs for the closest Big Sioux: Brookings aquifer observation wells (see Figure 1) document there are no significant impacts on the water levels caused by pumping. The water table condition of most of the aquifer, including the locations of the four closest observation wells, means drawdown in those areas is not significant far from the well. The wells authorized by Water Right No. 4442-3 are under confined conditions, but are within 0.75 miles of the unconfined area of the aquifer. Pumping wells completed into a confined aquifer or a confined portion of an aquifer can create drawdown that is measureable some distance from the pumping wells. However, the two wells authorized by Water Right No. 4442-3, which this application proposes to use, are closer to each other (approximately 0.2 miles) than the next nearest appropriative well (approximately 0.8 miles). This means any potential impact will affect the applicant's wells before any other appropriative well, and the applicant will manage their withdrawals to minimize those potential impacts.

In the past, the Water Management Board has recognized to place water to maximum beneficial use, a certain amount of drawdown may occur. Since the aquifer is under confined conditions at the well site, drawdown due to pumping may extend some distance from the well site even though it is not expected to do so. The Water Management Board has promulgated rules that allow water to be placed to maximum beneficial use without the necessity of maintaining artesian head pressure for domestic use. The Water Management Board defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

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

The Water Management Board considered the delivery of water by artesian head pressure versus maximum beneficial use of water issued for Water Right No. 2313-2 for Coca-Cola Bottling Company of the Black Hills. The Water Management Board adopted Findings of Facts and Conclusions of Law that noted reservation of artesian head pressure for delivery of water would be inconsistent with SDCL 46-1-4 which states, “general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable...” (Water Rights, 1995). Furthermore, the Water Management Board found if increased cost or decreased production as a result of impacts on artesian head pressure by legitimate users is to be considered an adverse impact it would also be in conflict with SDCL 46-1-4 (Water Rights, 1995). With that in mind, some existing well owners may need to lower their pumps to accommodate for deeper water levels depending on the specific characteristics of the Big Sioux: Brookings aquifer at their location particularly if it is in a confined area of the aquifer near the wells this application proposes to use. However, when considering the statutes (SDCL 46-1-4 and 46-6-6.1), rule (ARSD 74:02:04:20(7)), the limited increase in average diversion rate proposed by this application, and that within 0.75 miles of the wells this application proposes to use the Big Sioux: Brookings aquifer is under unconfined conditions, well interference from this proposed diversion is not expected to cause an adverse impact. Therefore, there is a reasonable probability that any interference created by pumping for this proposed appropriation will not be adverse.

CONCLUSIONS:

1. Application No. 8328-3 proposes to irrigate 160 acres in Brookings County using the wells and diversion rate authority granted under Water Right No. 4442-3. This application, if approved, does not authorize an increase in the maximum diversion rate authorized by Water Right No. 4442-3.
2. Water Right No. 4442-3 authorizes the irrigation of 134 acres at a maximum instantaneous diversion rate of 1.78 cfs from two wells completed into the Big Sioux: Brookings aquifer in Brookings County.
3. Based on the observation well data and hydrologic budget, there is a reasonable probability unappropriated water is available for this proposed appropriation.
4. There is a reasonable probability the appropriation proposed by this application can be made without adversely impacting existing appropriative or domestic users.



Adam Mathiowetz, PE
SD DENR-Water Rights Program

REFERENCES:

- Hamilton, L.J. 1989. Water Resources of Brookings and Kingsbury Counties, South Dakota. Water-Resources Investigations Report 88-4185. USGS. Huron, SD.
- Hedges, L.S., Allen, J., 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; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Friedeman, B. 2018. Personal Communication. DENR-Drinking Water Program: Environmental Scientist. March 26, 2018.
- Koch, N.C. 1980. Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota. Water-Resources Investigations Report 80-100. USGS. Huron, SD.
- Kume, J. 1985. Water Resources of Deuel and Hamlin Counties, South Dakota. Water-Resources Investigations Report 84-4069. US Geological Survey. Huron, SD.
- Stonesifer, J. 2013 Report to the Chief Engineer on Water Permit Application No. 7854-3 David Ulvestad. SD DENR-Water Rights Program Water Permit File No. 7854-3. Pierre, SD.
- Water Rights. 1979-2017. "1979-2016 Irrigation Questionnaires": SD DENR-Water Rights Program, Joe Foss Building, Pierre, South Dakota.
- Water Rights. 2018a. Observation Well Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2018b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2018c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 1995. Findings of Fact, Conclusions of Law, and Final Decision in the Matter of Water Permit Application No. 2313-2, Coca-Cola Bottling Company of the Black Hills. DENR-Water Rights Program file for Water Right No. 2313-2. Pierre, South Dakota.

RECEIVED

Affidavit of Publication **APR 27 2018**

State of South Dakota

Exhibit "A"

ss

**WATER RIGHTS
PROGRAM**

County of Brookings

Katherine Foiles of said county, first duly sworn, on oath, says: That she is the office clerk of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed that the

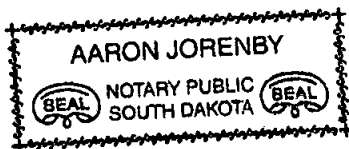
Leg#337 Notice of Application 8328-3

same was published, is hereto attached marked Exhibit said newspaper for 1 times, to-wit:

April 5, 2018

said Exhibit "A" inures to the sole benefit for the publishers of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Twenty-Eight Dollars and Five Cents \$28.05



April

Km Foiles

23 day of

2018

Notary Public in and for the County of Brookings, South Dakota.
My Commission expires February 22, 2020.

Legal 337, 1x, 4/5
NOTICE OF APPLICATION NO. 8328-3 to
Appropriate Water
Notice is given that
Justin & James Vande
Weerd, 46659 205th St,
Bruce SD 57220 have
filed an application for a
water permit to irrigate
160 new acres. Water
Right No. 4442-3
appropriates 1.78 cubic
feet of water per second
from one well complet-
ed into the Big

Sioux: Brookings
Aquifer (140 feet deep)
located in the approxi-
mate center of the NE
1/4 Section 7 for irriga-
tion of 136 acres locat-
ed in the NE 1/4 Section
7; all in T111N-R50W.
This application propos-
es to irrigate 160 new
acres located in the SW
1/4, S 1/2 NW 1/4
Section 8-T111N-R50W
from the existing well.
This application is locat-
ed approximately one
mile east of Bruce SD
and, if approved, does
not authorize any
increase in the devel-
oped diversion rate.
Pursuant to SDCL 46-
2A-2, the Chief
Engineer recommends
APPROVAL of
Application No. 8328-3
with qualifications
because 1) unappropri-
ated 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. The
Chief Engineer's recom-
mendation with quali-
fications, the application,
and staff report are
available at
<http://denr.sd.gov/public>
or contact Eric
Gronlund for this infor-
mation, or other infor-
mation, at the Water

Rights Program
address provided
below.

Any person interested in
opposing or supporting
this application or rec-
ommendation must file
a written petition with
BOTH the applicant and
Chief Engineer. The
applicant must file a
petition if contesting the
Chief Engineer's recom-
mendation. The Chief
Engineer's address is
"Water Rights Program,
Foss Building, 523 E
Capitol, Pierre SD
57501 (605 773-3352)"
and the applicant's mail-
ing address is given
above. A petition filed
by either an interested
person or the applicant
must be filed by April
16, 2018.

The petition may be
informal, but must
include a statement
describing the petition-
er's interest in the appli-
cation, the petitioner's
reasons for opposing or
supporting the applica-
tion, and the signature
and mailing address of
the petitioner or the
petitioner's legal coun-
sel, if legal counsel is
obtained.

If the applicant does not
contest the recommen-
dation of the Chief
Engineer and no peti-

tion to oppose the appli-
cation is received, the
Chief Engineer shall act
on the application pur-
suant to the recommen-
dation with no hearing
held before the Water
Management Board. If
a petition opposing the
application or contest-
ing 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.
Steven M. Pirner,
Secretary, Department
of Environment and
Natural Resources.
Published one time at
the total approximate
cost of \$28.05.

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, March 29, 2018 1:28 PM
To: registerclassifieds (registerclassifieds@brookingsregister.com)
Subject: FW: 8328-3, Justin & James Vande Weerd
Attachments: 8328-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on April 5, 2018.

Justin & James Vande Weerd, 46659 205 St, Bruce SD 57330 (605 690-4556) have been notified to contact you to authorize publication and arrange for payment.

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

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

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

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

March 29, 2018

Justin and James Vande Weerd
46659 205th St
Bruce SD 57220

Dear Sirs:

Water Permit Application No. 8328-3 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 Brookings Register (Ph # 605-692-6271). You will need to contact the newspaper 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 to authorize publication of your Notice and to arrange for payment. Early contact with the paper 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.

NOTICE OF APPLICATION NO. 8328-3 to Appropriate Water

Notice is given that Justin & James Vande Weerd, 46659 205th St, Bruce SD 57220 have filed an application for a water permit to irrigate 160 new acres. Water Right No. 4442-3 appropriates 1.78 cubic feet of water per second from one well completed into the Big Sioux:Brookings Aquifer (140 feet deep) located in the approximate center of the NE 1/4 Section 7 for irrigation of 136 acres located in the NE 1/4 Section 7; all in T111N-R50W. This application proposes to irrigate 160 new acres located in the SW 1/4, S 1/2 NW 1/4 Section 8-T111N-R50W from the existing well. This application is located approximately one mile east of Bruce SD and, if approved, does not authorize any increase in the developed diversion rate.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8328-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 April 16, 2018.

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.

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

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAY 01 2018

Justin and James Vande Weerd
46659 205th St
Bruce SD 57220

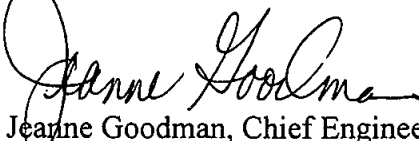
Dear Sirs:

Enclosed is Water Permit No. 8328-3 authorizing construction of the water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,


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

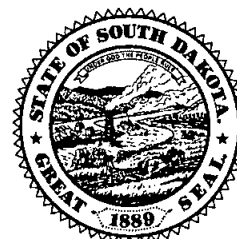
enclosures

NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 8-1-18TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181FROM: Justin VanderWeerd (LS Farms LLC)
(name)
46659 205 st
(address)
Bruce SD 57220 1-605-690-4556
(city, state, zip) (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. 8328-3 states that the water use system is to be constructed byApril 16 2018, and water is to be put to beneficial use by April 16 2027.
(date) (date)The water use system was completed on 7-20-18.
(date)Applying the water to beneficial use was completed on 7-20-18.
(date)

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

Justin VanderWeerd
(signature)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 21, 2018

8328-3

Justin Vande Weerd
46659 205th St
Bruce SD 57220

Dear Mr. Vande Weerd:

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 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. 8328-3

I have this day, May 26, 2021, made a thorough examination of the water use system constructed by Justin Vande Weerd & James Vande Weerd, 46659 205th St, Bruce, SD 57220 of Permit No. 8328-3, bearing the priority of February 1, 2018 authorizing the diversion of 1.78 cu. ft. per second of ground water (BS:B) for irrigation purposes, in Brookings County.

A. Works used to divert the water:

Well Information: Well associated with Water Right 4442-3 is being used as a water supply.

- 1) Well Drilling Firm: Grimshaw Drilling Co
- 2) No. of Wells 1
- 3) Depth(s) 116 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 16 inches
- 2) Length 101 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 15 feet
- 3) Static water level ?? feet

Pump:

- 1) Make NA
- 2) Model NA
- 3) Size NA
- 4) Capacity 800 GPM

Motor:

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

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

Comments: **3300 feet of buried pipe from existing well in the NE ¼ of Section 7 to the SW ¼ of Section 8.**

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 800 GPM

Chemigation Equipment:

- 1) Does chemigate N

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 Sec 7 T111N-R50W 1320 ft S & 1300 ft W, Lat 44.43846 Long -96.87287 (NE ¼ NE ¼ Sec 7).**
2. The works are capable of diverting and conveying to the place of use 1.78 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 Sec 8-T111N-R50W

NW1/4 SW 1/4 - 38 ac
NE 1/4 SW 1/4 - 38 ac
SE 1/4 SW 1/4 - 16 ac
SW 1/4 SW 1/4 - 16 ac

SW 1/4 NW 1/4 - 12 ac
SE 1/4 NW 1/4 - 12 ac

comprising a total of 132 acres of land.

3. All structures, wells and lands on map Y

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

The added pivot in Section 8 will be serviced by a single well in Section 7 (Water Right 4442-3) that also provides water to a pivot in Section 7. No additional water flow is requested.

The irrigated acreage was determined from FSA maps and ArcMAPS software.

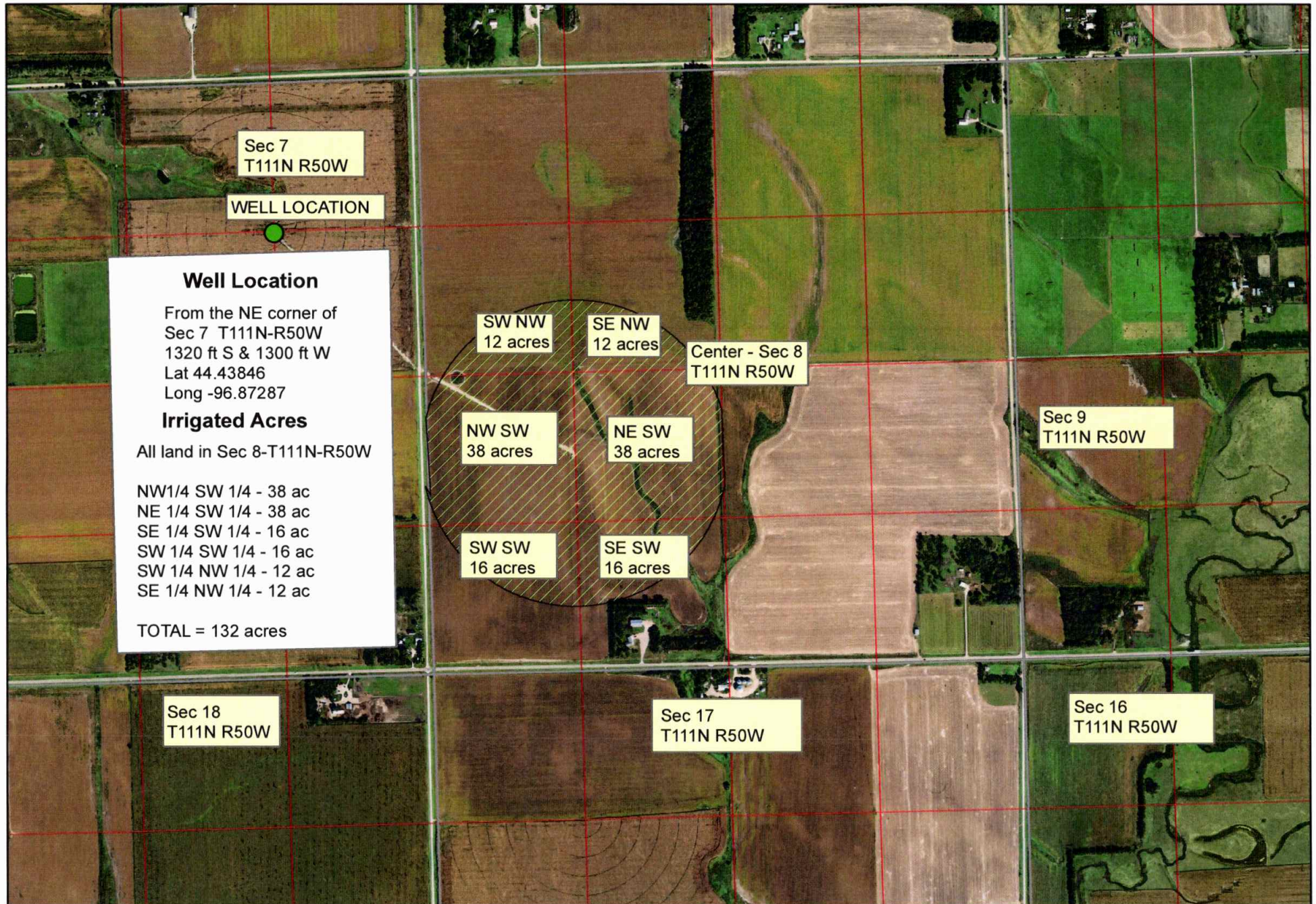
The contact information on the supplied review documents is current and accurate.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: **June 16, 2021**

Note: The diversion authority is authorized under Water Right No. 4442-3 held by John VandeWeerd.
Genny



0 0.15 0.3 0.6 0.9 1.2 Miles



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

8328-3

AUG 10 2021

Justin & James Vande Weerd
46659 205th St
Bruce SD 57220

Dear Sirs:

Enclosed is Water License No. 8328-3. This is the final water right document completing your process of obtaining a Water Right. Included with the 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

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 8328-3

(1) Justin Vande Weerd and James Vande Weerd, 46659 205th St., Bruce SD 57220 made Application No. 8328-3, February 1, 2018 for a water permit to irrigate additional acreage utilizing an existing well (Big Sioux Brookings Aquifer) in Brookings County, South Dakota. Permit No. 8328-3, with a priority date of February 1, 2018 was approved April 16, 2018 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before April 16, 2023 and the application to beneficial use of water on or before April 16, 2027.

Water Right No. 4442-3 authorizes 1.78 cfs from one well located in the approximate center of the NE ¼ Section 7 to irrigate 136 acres also located in the NE ¼ Section 7, T111N, R50W. Water Permit No. 8328-3 authorizes additional acreage with no increase in the developed diversion rate.

A "Notice of Completion of Works and Application of Water to Beneficial Use" was submitted on August 20, 2018. The "Notice" stated the water use system was completed and the water placed to beneficial use on July 20, 2018.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the water supply system. The diversion point is located:

- 1,320'S and 1,300'W of the NE corner of Section 7, T111N, R50W (NE ¼ NE ¼ Section 7)
Latitude 44.43846, Longitude -96.87287

The above well is also used to irrigate acreage authorized under Water Right No. 4442-3 held by LeRoy Vande Weerd.

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

T111N, R50W Section 8	NW ¼ SW ¼	38 acres	SW ¼ NW ¼	12 acres
	NE ¼ SW ¼	38 acres	SE ¼ NW ¼	12 acres
	SE ¼ SW ¼	16 acres		
	SW ¼ SW ¼	16 acres	Total	132 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Justin Vande Weerd and James Vande Weerd, 46659 205th St., Bruce SD 57220 the holders and/or owners of Water Right No. 8328-3 are issued a license to divert water at a rate of 1.78 cubic feet of water per second from ground water, one well (Big Sioux Brookings Aquifer) authorized under Water Right No. 4442-3 with a priority date of February 1, 2018 from the location specified in (2) of this license for irrigation purposes. Water License No. 8328-3 does not grant access to the well located in NE ¼ NE ¼ Section 7, T111N, R50W. Access and use of that well must be secured separately through an agreement with the landowner where the well is located. The diversion rate of 1.78 cfs is used in conjunction with Water Right No. 4442-3 and not an increase in the developed diversion rate.

continued

Water License No. 8328-3
Page 2

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 8328-3 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.
- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.

Eric Gronlund

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

AUG 10 2021

date

