

**WATER PERMIT NO. 7523-3**

Name of Applicant: Ben C Culver

Address: 47497 207<sup>th</sup> St, Aurora SD 57002 Phone: 605 690-5204

Amount of Water Claimed: 2.0 cfs Total Acres: 152 acres

Source of Water Supply: groundwater (two wells)

Water to be used for: irrigation County: Brookings

Type of Waste Disposal System:

Location: 2 miles west of White

PRIORITY Date Received: 11-16-12 Application/License Fee: \$ 1050

Corrected Application Received: Period of Annual Use: May 1 – Sept 30

Remarks:

Diversion Point: approximate center of the SW 1/4  
and the center of the S 1/2 SE 1/4 Sec 3-T111N-  
R49W

Land to be Irrigated: SE 1/4 Sec 3-T111N-R49W

Depth of Well: 38 feet

Well Driller: Steffl Drilling & Pump Inc.

Remarks:

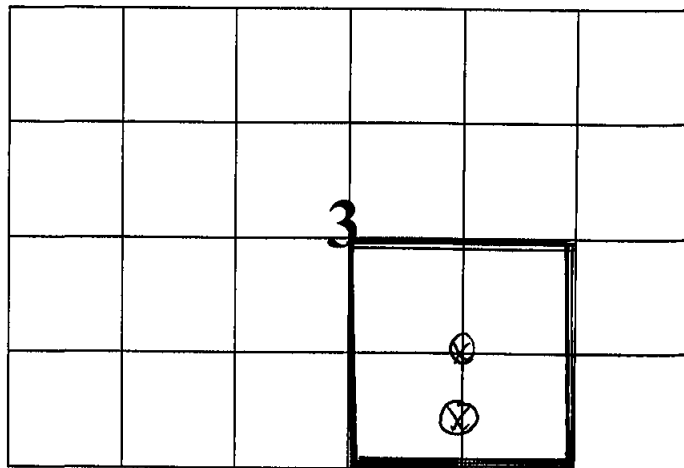
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 11-19-26

By: Karen Schlaak

Notice of Hearing - date to intervene: \_\_\_\_\_



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

|                                                                                                                 |                                                  |                                                      |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------|
| Mail to:<br>PMB 2020<br>DENR - Water Rights<br>523 E Capitol Ave<br>Pierre, SD 57501-3182<br>ph. (605) 773-3352 | No. <u>7523-3</u>                                | (office use only)<br>Hydrologic Unit <u>10170202</u> |
|                                                                                                                 | Basin <u>Sioux River</u>                         |                                                      |
|                                                                                                                 | Newspaper <u>Brookings Register P.O. Box 177</u> |                                                      |
|                                                                                                                 | <u>Brookings 57006 605-692-1271</u>              |                                                      |

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NOV 16 2012  
WATER RIGHTS  
PROGRAM

## Application For Permit To Appropriate Water For Irrigation

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

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

1. Name to Appear on Irrigation Permit Ben C. Culver  
(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent \_\_\_\_\_  
(name and complete address if different than above name)

Mailing Address 47497 207th St. Aurora SD 57002  
(Address) (City) (State) (Zip Code)

Home Phone 605 690-5204 Cell \_\_\_\_\_ Email culverfarms@me.com

2. Amount of water claimed 2.0 \*CFS or 900 \*\*GPM \*\*\*AF Total Acreage 152  
(\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Wells (approximate center SE 1/4 of center of S 1/2 SE 1/4 Sec 3-T111N-

4. Location of point of diversion #1 1300' from the north side 1300' from the - R49W  
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)

west side (center) 1000' south of center (#2) County Brookings

5. County or counties where water will be used Brookings

6. Annual period during which water is to be used May 1 - Sept 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 |
|----------------------------------------|-------|------------------|-------|
| SE 1/4 of the SE 1/4 of Sec 3 T111 R49 | 38    |                  |       |
| NE 1/4 of the SE 1/4 of Sec 3 T111 R49 | 38    |                  |       |
| SW 1/4 of the SE 1/4 of Sec 3 T111 R49 | 38    |                  |       |
| NW 1/4 of the SE 1/4 of Sec 3 T111 R49 | 38    |                  |       |

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

I, Ben Culver, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

**SOUTH DAKOTA**  
**WATER PERMIT NO. 7523-3**

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Date of first receipt of application November 16, 2012.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7523-3 to Ben C Culver, 47497 207<sup>th</sup> St, Aurora SD 57002 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. 7523-3 appropriates 2.0 cubic feet of water per second from two wells to be completed into the Big Sioux:Unnamed Creek Aquifer (38 feet deep) located in the approximate center of the SE 1/4 and the center of the S 1/2 SE 1/4 Section 3 for irrigation of 152 acres located in the SE 1/4 Section 3; all in T111N-R49W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is November 16, 2012.
4. The date of approval of Permit No. 7523-3 is February 11, 2013.
5. One-fifth of the construction is to be completed on or before August 11, 2015.
6. All construction is to be completed on or before February 11, 2018.
7. Water is to be put to beneficial use on or before February 11, 2022.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

**QUALIFICATIONS**

1. The wells 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 wells authorized by Permit No. 7523-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

**WATER MANAGEMENT BOARD**

By: Garland Erbele

Garland Erbele, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

MAR 28 2013  
date



## Supplemental Information

(type or print)

### 1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 2 Have test holes been drilled ☒ Yes ☐ No Drilled by Ste FFI Drilling  
(if yes, please provide copies of logs)

b) If existing wells, how many      Provide copy of log(s), if available. Drilled by     

c) Well Depth 38ft Depth to Top of Water Bearing Material 2f Depth to Water from Surface 36ft

d) Distance to nearest existing domestic well:

On applicant's property 0

On property owned by others 2000ft 2600ft

### 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)

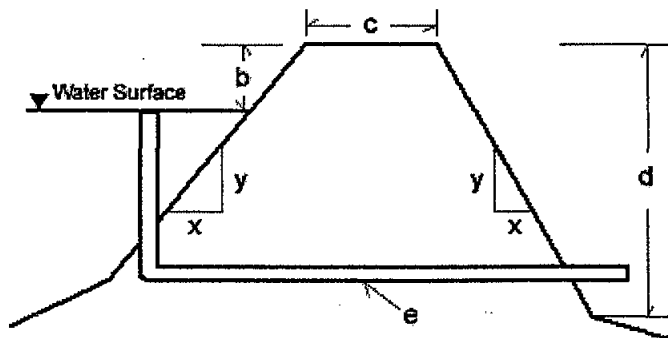
Upstream     

Downstream     

h) Surface Area of Impoundment     

i) Storage      Acre Feet

j) Drainage Area Above Dam      Acres





PPLS: 3\_111N\_49W

Data use subject to license.

© DeLorme. XMap® 7.

www.delorme.com

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 TN  
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Scale 1 : 11,200



1" = 933.3 ft

Data Zoom 14-2

# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/19, 20 12

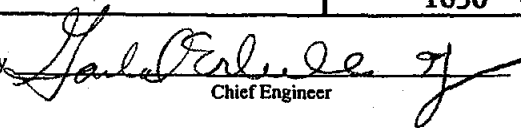
RECEIVED OF Culver Farms 47497 207th St Aurora SD 57002

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

|                                                                                                                        |       |         |
|------------------------------------------------------------------------------------------------------------------------|-------|---------|
| Fee for Application for Permit No. <u>7523-3</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>7523-3</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. **05701**

By

  
Chief Engineer

## **Water Rights Program - File Documentation**

**NAME:** Dave Gullickson

**ADDRESS:** Farmers Implement

**DATE:** 11-19-12      **COUNTY:** BG      **TELEPHONE:**

**RE:** Pending application for Ben C Culver

**COMMENTS:**

I called Dave Gullickson regarding the amount of water claimed on the application for Ben Culver. Dave stated the amount water claimed should be 900 gpm.

  
Karen Schlaak  
Environmental Scientist



**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. 7523-3, Ben C Culver**

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. 7523-3, Ben C Culver, 47497 207<sup>th</sup> Street, Aurora SD 57002.

The Chief Engineer is recommending APPROVAL of Application No. 7523-3 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 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 wells authorized by Permit No. 7523-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer  
January 24, 2014

## REPORT ON WATER PERMIT APPLICATION NO. 7523-3

Ben C. Culver  
January 22, 2013

Application No. 7523-3, proposes to appropriate 304 acre-feet of water at a maximum diversion rate of 2.0 cubic feet of water per second from two wells to be completed into the Big Sioux: Unnamed Creek aquifer (38 feet deep) located in the approximate center of the SE 1/4 and the center of the S 1/2 SE 1/4 Section 3 for irrigation of 152 acres located in the SE 1/4 Section 3; all in T111N-R49W. This project is located approximately 2.5 miles northwest of the town of White in Brookings County.

### **AQUIFER: Unnamed Creek management unit of the Big Sioux aquifer (BS:UC)**

#### **GEOLOGY AND AQUIFER CHARACTERISTICS:**

The Big Sioux aquifer is an alluvium mantled glacial outwash deposit that consists of "well-sorted, very permeable glacial outwash sand and gravel, mostly medium to very coarse sand and very fine to medium gravel" (Hamilton, 1989). The aquifer is located primarily in the flood plain of the Big Sioux River and its tributaries. The Unnamed Creek management unit of the Big Sioux aquifer is in the north central portion of Brookings County. The Big Sioux: Unnamed Creek aquifer underlies approximately 5,800 acres of Brookings County and contains an estimated 13,050 acre-feet of recoverable water in storage. (Hedges and others, 1982). The test hole well completion reports submitted with this application identifies sand from 4-35 feet and 2 - 38 feet below grade at the proposed well locations.

#### **SDCL 46-2A-9**

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is 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 Big Sioux: Unnamed Creek aquifer.

#### **WATER AVAILABILITY:**

This application proposes to appropriate 304 acre-feet annually from the Big Sioux: Unnamed Creek aquifer. The actual water use if this application is approved will likely be less than the appropriation. 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."

#### **Recharge versus Discharge:**

##### **Recharge:**

Recharge to the Big Sioux: Unnamed Creek occurs through infiltration and percolation of precipitation falling on the surface of the outwash. Since the aquifer is hydraulically connected to surface water, recharge is also provided to the aquifer during times of high runoff when surface water levels are higher than groundwater levels. Recharge rates calculated for this management unit of the Big Sioux aquifer is estimated to be in the range of "2.7-5.6 in/yr" (Hedges and others, 1985). Given the estimated area of the management unit of 5,800 acres in Brookings County, average annual recharge to the aquifer is estimated to range from 1,305 to

2,702 acre-feet per year with the total amount of recoverable water of 13,050 acre-feet (Hedges and others, 1982).

#### Discharge:

Discharge from the Big Sioux: Unnamed Creek aquifer is by evapotranspiration, discharge to streams and withdrawal from wells. There are a number of completion reports on file with the DENR-Water Rights Program for domestic use wells completed into the Big Sioux: Unnamed Creek aquifer (Water Rights, 2013b) and there are currently 11 Water Rights/Permits appropriating water from the Big Sioux: Unnamed Creek aquifer all for irrigation use. Under current appropriations the well withdrawals are estimated to be less than the appropriated 3,476 ac-ft/yr, shown in Figure 1, which displays the reported irrigation water use from the Big Sioux: Unnamed Creek aquifer.

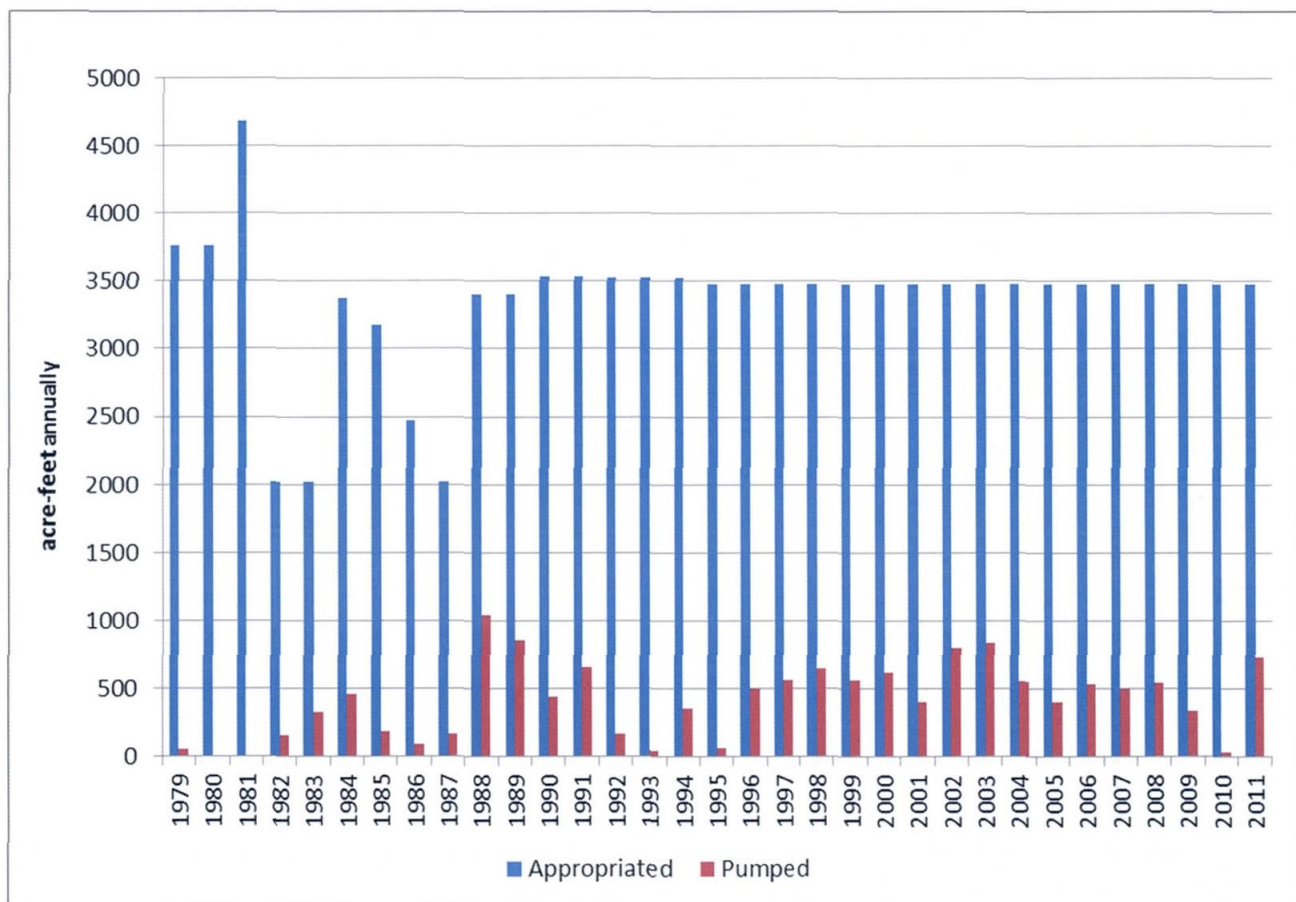


Figure 1. Historic irrigation use from the Big Sioux: Unnamed Creek aquifer (Water Rights, 1979-2011)

Comparison of the estimated average annual withdrawal from the Big Sioux: Unnamed Creek aquifer with the estimated average annual recharge for the aquifer in Brookings County indicates that in general the average annual withdrawals to the aquifer do not exceed the average annual recharge to the aquifer and unappropriated water is available from the Big Sioux: Unnamed Creek aquifer. Specifically, unappropriated water is available for the 304 acre-feet appropriation proposed by this application.

**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 to the aquifer”.

The DENR-Water Rights Program monitors one observation well completed into the Unnamed Creek management unit of the Big Sioux aquifer. This observation well is located approximately 8 miles from the well sites proposed by this application. A hydrograph for this observation well is shown below, Figure 2.

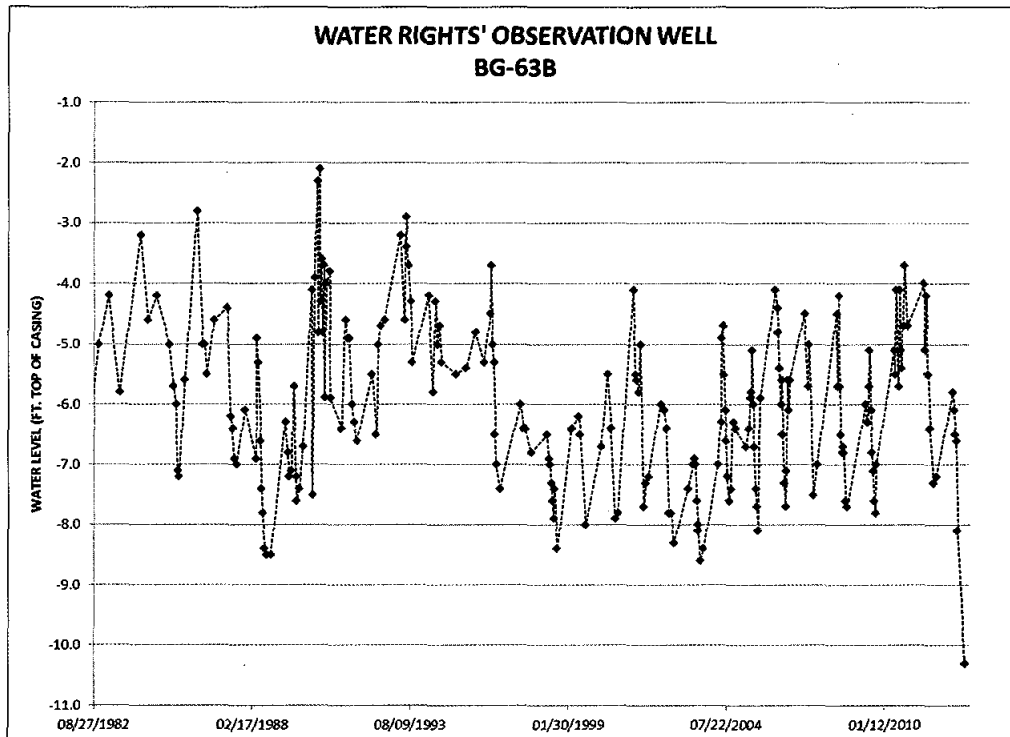


Figure 2 - Hydrograph of DENR-Water Rights' observation well BG-63B (Water Rights, 2013a)

The observation well data shows the aquifer responds well to climatic conditions with rising water levels during wet years and gradually declining water levels during dry years. The water level data verifies that over the period of record, withdrawals have not exceeded recharge. Most importantly, the observation well data shows that at the current level of development, climatic conditions greatly mask the temporal effects of well withdrawals. Therefore, recharge to and natural discharge from the Big Sioux: Unnamed Creek aquifer significantly exceeds pumping. Recognizing that natural discharge from the aquifer can be captured for pumping, the hydrographs document that there is unappropriated water available from the aquifer to support this appropriation.

**EXISTING WATER RIGHTS:**

The well sites proposed by this application are located in a portion of the Big Sioux: Unnamed Creek aquifer that extends west of the Big Sioux River. There are 11 existing water rights/permits appropriating water from the Big Sioux: Unnamed Creek aquifer. There are no

water rights/permits authorizing wells, but there are a number of domestic wells within two miles of the proposed well locations on file with the SD DENR- Water Rights program from the Big Sioux: Unnamed Creek. Table 2 lists these existing rights with Nos. 3922-3, 4347-3 and 5405-3 being the nearest, all approximately 2.5 miles away.

| PERMIT_NO | NAME                  | STATUS | USE | CFS   | ACRES |
|-----------|-----------------------|--------|-----|-------|-------|
| 2687-3    | R & L RENNICK         | LC     | IRR | 1.880 | 264   |
| 3484-3    | C. NICHOLS            | LC     | IRR | 1.490 | 104   |
| 3922-3    | R DOUGHERTY           | LC     | IRR | 2.560 | 220   |
| 4154-3    | G. FOSTER             | LC     | IRR | 1.640 | 115   |
| 4155-3    | R. FOSTER             | LC     | IRR | 1.080 | 76    |
| 4347-3    | R. RENNICK            | LC     | IRR | 1.110 | 77.5  |
| 4593-3    | B. EBERLE             | LC     | IRR | 1.330 | 130   |
| 4697A-3   | WESTERN TRUST COMPANY | LC     | IRR | 1.710 | 120   |
| 4697B-3   | WORKMAN BROTHERS      | LC     | IRR | 1.560 | 125   |
| 5405-3    | L. HOLLER             | LC     | IRR | 1.670 | 117   |
| 3922-3    | R. DOUGHERTY          | LC     | IRR | 2.560 | 220   |

Table 2 – Water Rights from of the Big Sioux: Unnamed Creek aquifer (Water Rights, 2013c)

Since the Big Sioux: Unnamed Creek is under unconfined conditions with a relatively high transmissivity, drawdown is not expected to be significant beyond a few hundred feet from the production well. If approved, withdrawals from the Big Sioux: Unnamed Creek wells proposed by this application will not be expected to adversely impair existing water rights.

#### CONCLUSIONS:

1. This application proposes to appropriate up to 304 acre-feet annually from the Big Sioux: Unnamed Creek aquifer.
2. There is a reasonable probability that unappropriated water is available from the Big Sioux: Unnamed Creek aquifer to satisfy this proposed appropriation.
3. Withdrawals from the Big Sioux: Unnamed Creek wells proposed by this application will not be expected to adversely impair existing water rights.



Mark D. Rath  
Natural Resources Engineer  
SD DENR-Water Rights Program

Approved:



Ken Buhler  
Natural Resources Engineer  
SD DENR-Water Rights Program

**REFERENCES:**

- Hamilton, L.J. 1989, Water Resources of Brookings and Kingsbury Counties, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 88-4185, 82 p.
- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., 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., 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
- Water Rights, 1980-2011, Irrigation Questioner Summaries 1980-2011, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2013a, Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2013b, Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2013c, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

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FEB 13 2013

10/

Affidavit of Publication

State of South Dakota

ss

WATER RIGHTS  
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County of Brookings

Chaylee Duis 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

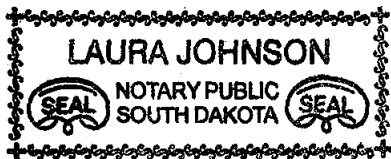
Leg#958 Notice on App #7523-3-Culver

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

February 1, 2013

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-three dollars and eighteen cents \$23.18



*Laura Johnson*

4th

day of

February

2013

*Chaylee Duis*

Notary Public in and for the County of Brookings, South Dakota.  
My Commission expires August 3, 2017.

the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of \$23.18.

Legal 958, 1x, 2/1  
NOTICE OF APPLICATION, NO. 7523-3 to  
Appropriate Water  
Notice is given that Ben C Culver, 47497 207th St, Aurora SD 57002 has filed an application for a water permit to appropriate 2.0 cubic feet of water per second from two wells to be completed into the Big Sioux:Unnamed Creek Aquifer (38 feet deep) located in the approximate center of the SE 1/4 and the center of the S 1/2 SE 1/4 Section 3 for irrigation of 152 acres located in the SE 1/4 Section 3; all in T111N-R49W.  
Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7523-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition. Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352) and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 11, 2013.  
The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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

January 24, 2013

Brookings Register  
PO Box 177  
Brookings SD 57006

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7523-3 to Appropriate Water. Please publish the notice once on February 1, 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 Ben C Culver, 47497 207<sup>th</sup> St., Aurora SD 57002 (Ph # 605-690-5204).

**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

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

January 24, 2013

Ben C Culver  
47497 207<sup>th</sup> St  
Aurora SD 57002

Dear Mr. Culver:

Water Permit Application No. 7523-3 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 printed at Brookings SD (Ph # 605-692-6271). 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 February 1, 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.

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NOTICE OF APPLICATION NO. 7523-3 to Appropriate Water

Notice is given that Ben C Culver, 47497 207<sup>th</sup> St, Aurora SD 57002 has filed an application for a water permit to appropriate 2.0 cubic feet of water per second from two wells to be completed into the Big Sioux:Unnamed Creek Aquifer (38 feet deep) located in the approximate center of the SE 1/4 and the center of the S 1/2 SE 1/4 Section 3 for irrigation of 152 acres located in the SE 1/4 Section 3; all in T111N-R49W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7523-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

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

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

Published once at the total approximate cost of \_\_\_\_\_.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

denr.sd.gov

**MAR 28 2013**

Ben C Culver  
47497 207<sup>th</sup> St  
Aurora SD 57002

Dear Mr. Culver:

Enclosed is Water Permit No. 7523-3 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,

A handwritten signature in black ink, appearing to read "Garland Erbele".

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

enclosures

7523-3  
RECEIVED

FEB 24 2014

WATER RIGHTS  
PROGRAMNOTICE OF COMPLETION OF WORKS AND  
APPLICATION OF WATER TO BENEFICIAL USEDate 2-20-14TO: Water Rights Program, DENR  
523 E. Capitol  
Pierre, SD 57501-3181FROM: Ben Culver

(name)

47497 207th St

(address)

Aurora, SD 57002

(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. 7523-3 states that the water use system is to be constructed by7-1-13

(date)

, and water is to be put to beneficial use by 7-24-13

(date)

The water use system was completed on 7-24-13

(date)

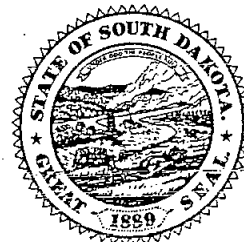
Applying the water to beneficial use was completed on 7-24-13

(date)

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

Ben Culver

(signature)





**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
<http://denr.sd.gov>

February 26, 2014

7523-3

Ben Culver  
47497 207<sup>th</sup> St  
Aurora SD 57002

Dear Mr. Culver:

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,

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

## Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7523-3

I have this day, 28 October 2014, made a thorough examination of the water use system constructed by Ben C. Culver, 47497 207<sup>th</sup> St., Aurora, SD 57002 holder of Permit No. 7523-3, bearing the priority of 16 November 2012 authorizing the diversion of 2.0 cu. ft. per second of the waters of the Big Sioux: Unnamed Creek aquifer for irrigation purposes, in Brookings County.

Inspection contact & relationship to permit holder, if applicable: **Ben Culver, owner**

### A. Works used to divert the water:

#### Well<sub>1</sub> (north well) Information:

- 1) Well Drilling Firm: Steffl Drlg & Pump
- 2) No. of Wells 1
- 3) Depth 35 feet
- 4) Well log is available Yes

#### Casing:

- 1) Diameter 12 inches
- 2) Length 28 feet
- 3) Type PVC

#### Screen:

- 1) Type Stainless Steel
- 2) Length 7 feet
- 3) Static water level 16.5 feet (1 May 2013)

#### Pump:

- 1) Make Franklin Electric
- 2) Model 100D 7.5-3AAB 4T1324T117
- 3) Size 7.5 HP
- 4) Capacity 100 GPM

#### Well<sub>2</sub> Information:

- 1) Well Drilling Firm: Steffl Drlg & Pump
- 2) No. of Wells 1
- 3) Depth 38 feet
- 4) Well log is available Yes

#### Casing:

- 1) Diameter 12 inches
- 2) Length 28 feet
- 3) Type PVC

#### Screen:

- 1) Type Stainless Steel
- 2) Length 10 feet
- 3) Static water level 20 feet (14 Feb. 2013)

#### Pump:

- 1) Make Franklin Electric
- 2) Model 350D15-2AB/4+1324 M111
- 3) Size 20 HP
- 4) Capacity 350 GPM

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

- |                         |                         |                           |
|-------------------------|-------------------------|---------------------------|
| 1) Type <u>PIP</u>      | 2) Size <u>8</u> inches | 3) Length <u>620</u> feet |
| 1) Type <u>Aluminum</u> | 2) Size <u>6</u> inches | 3) Length <u>40</u> feet  |

Comments: 8-inch diameter PIP buried from south well, 6-inch aluminum pipe above ground from north well to pivot

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

Center pivot located at Lat/Lon: 44.44506/-96.69161

- 1) Make Valley
- 2) Overall length 1538 with tower feet
- 3) Number of towers 7 plus corner
- 4) End gun Nelson 100
- 5) Capacity 450 GPM

**Chemigation Equipment:**

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

**D. Compliance with Permit Requirements:**

- 1) Permit qualifications being abided by Yes
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period na
- 3) Exceptions to compliance are: na

**E. Condition and Location:**

1. The system is in good condition with the point(s) of diversion located as follows:  
Well<sub>1</sub>: 1320 feet north and 1300 feet west of the SE corner of Sec.3, T111N-R49W (Lat/Lon: 44.44501/-96.69137, SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> Sec. 3, T111N-R49W  
Well<sub>2</sub>: 700 feet north and 1300 feet west of the SE corner of Sec.3, T111N-R49W (Lat/Lon: 44.44331/-96.69138, SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> Sec. 3, T111N-R49W

2. The works are capable of diverting and conveying to the place of use 1.00 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:

NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec.3, T111N-R49W: 38 acres

NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec.3, T111N-R49W: 39 acres

SW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec.3, T111N-R49W: 38 acres

SE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec.3, T111N-R49W: 37 acres

comprising a total of 152 acres of land and the license should be issued for 1.00 cfs.

3. All structures, wells and lands on map Yes

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

na



Ken Buhler  
DENR, Water Rights Program

Date report completed: 5 December 2014

7523-3

-  Irrigated acres
-  Pivot
-  Buried 8-inch PIP
-  Wells
-  Section Boundaries - PLSS

NW1/4 SE 1/4  
39 acres

NE1/4 SE 1/4  
38 acres

SW1/4 SE 1/4  
38 acres

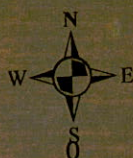
SE1/4 SE 1/4  
37 acres

1320'

700'

1300'

SE corner of Sec.3, T111N-R49W



660

330

660 Feet

kb  
5 December 2014



Pursuant to Ken Buhler inspection  
10-28-14

SD EForm - 1621LD V1

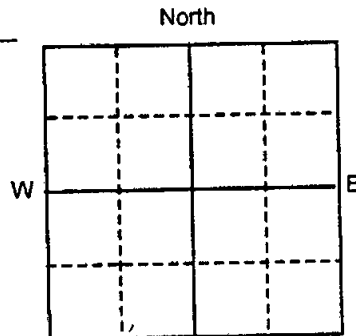
# SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location ~~NW 1/4~~ ~~NE 1/4~~ Sec 3 Twp 111 Rg 49

County Brookings

Please mark well location with an "X"



Well Completion Date

February 14, 2013

1 Mile

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

## PROPOSED USE:

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

## METHOD OF DRILLING:

mud rotary

## CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

| PIPEWEIGHT | DIAMETER | FROM | TO   | HOLE DIAMETER |
|------------|----------|------|------|---------------|
| LB/FT      | IN       | FT   | FT   | IN            |
| 12.00      | 12.00    | 1.0  | 28.0 | 17.50         |
| 12.00      | 12.00    | 38.0 | 44.0 | 17.50         |
| 12.00      | 12.00    | FT   | FT   | IN            |

## GROUTING DATA:

| Grout Type  | No. of Sacks | Grout Weight | From | To   |
|-------------|--------------|--------------|------|------|
|             |              | Lb/gal       | FT   | FT   |
| Quick Grout | 18           |              | 0.0  | 18.0 |
| Red Flint   |              |              | 18.0 | 44.0 |

Describe grouting procedure  
Pressure Tremmie

## SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 12.00 Inches Length 10.0 Feet

Material Stainless Steel

Slot Size 120HQ Set From 28.0 Feet to 38.0 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: Ben Culver

Business Name: Culver Farms

Address: 47497 207th St

City, State, Zip: Aurora SD 57002

## WELL LOG:

|           |       | DEPTH |    |
|-----------|-------|-------|----|
| FORMATION |       | FROM  | TO |
| Top Soil  | Black | 0     | 2  |
| Sand      | Brown | 2     | 38 |
| Clay      | Blue  | 38    | 44 |

## Prod Well #1

20hp Franklin Electric 460V

(350D15-2Ab/4+1324 M111

Motor 12K19-23-06520A)

STATIC WATER LEVEL 20.0 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

22.3 Ft. After 6 Hrs. pumped 350 GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

## REMARKS

Production Well 1 TH #2

44 26' 36.4" N

96 41' 29.1" W

Elev 1749

SOUTH WELL

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

Drilling firm: Steffl Drilling & Pump Inc / Kris VanHeuveln

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

pursuant to Ken Buhler inspection  
10-28-14

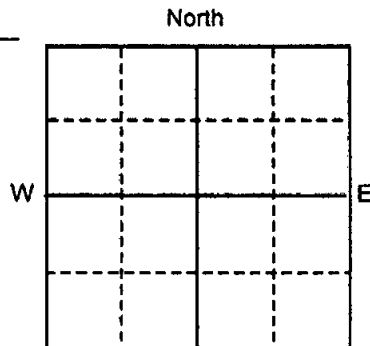
**SOUTH DAKOTA WATER WELL COMPLETION REPORT**

11-02

Location NW 1/4 NE 1/4 Sec 3 Twp 111 Rg 49

County Brookings

Please mark well location with an "X"



Well Completion Date

May 1, 2013

1 Mile

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

**PROPOSED USE:**

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

**METHOD OF DRILLING:**

mud rotary

**CASING DATA:**

☐ Steel ☒ Plastic ☐ Other

If other describe \_\_\_\_\_

| WEIGHT | DIAMETER | FROM    | TO      | HOLE DIAMETER |
|--------|----------|---------|---------|---------------|
| LB/FT  | 12.00 IN | 1.0 FT  | 28.0 FT | 17.50 IN      |
| LB/FT  | 15.00 IN | 35.0 FT | 45.0 FT | 17.50 IN      |
| LB/FT  | IN       | FT      | FT      | IN            |

**GROUTING DATA:**

| Grout Type  | No. of Sacks | Grout Weight | From    | To      |
|-------------|--------------|--------------|---------|---------|
| Quick Grout | 6            | Lb/gal       | 0.0 Ft  | 18.0 Ft |
| Red Flint   | 26           | Lb/gal       | 18.0 Ft | 45.0 Ft |

Describe grouting procedure  
Pressure Tremmie

**SCREEN:**

☐ Perforated pipe ☒ Manufactured

Diameter 12.00 Inches Length 7.0 Feet

Material Stainless Steel

Slot Size 100 Set From 28.0 Feet to 35.0 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? \_\_\_\_\_

**IRRIGATION WELL**

to which water  
city sample sent for analysis

Well Owner: Ben Culver

Business Name: Culver Farms

Address: 47497 207th St

City, State, Zip: Aurora SD 57002

**WELL LOG:**

| FORMATION | DEPTH |    |
|-----------|-------|----|
|           | FROM  | TO |
| Top Soil  | 0     | 1  |
| Clay      | 1     | 4  |
| Sand      | 4     | 35 |
| Clay      | 35    | 45 |

**Prod Well #2**

**7.5hp Franklin Electric 460V  
(100D 7.5-3AAB 4T1324T117  
Motor 23661119020)**

**STATIC WATER LEVEL** 16'6" **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

27'6" Ft. After 6.0 Hrs. pumped 100.0 GPM

\_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM

If pump installed, pump rate: \_\_\_\_\_ GPM

**REMARKS**

Production Well #2 (TH #1)

44 26' 42.0" N

96 41' 29.2" W

Elev 1748

*NORTH WELL*

7 Hrs air development

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

Drilling firm: Steffl Drilling & Pump Inc / Kris VanHeuveln

Signature of License Representative: \_\_\_\_\_

Signature of Well Owner or Equitable Property Holder: \_\_\_\_\_

Date: \_\_\_\_\_



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
<http://denr.sd.gov>

**FEB 17 2015**

7523-3

Ben C Culver  
47497 207<sup>th</sup> St  
Aurora SD 57002

Dear Mr. Culver:

Enclosed is Water License No. 7523-3. 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 the owner of an existing well, such as the well authorized by Water Right No. 7523-3, 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. 7523-3**

---

(1) Ben C Culver, 47497 207<sup>th</sup> St, Aurora SD 57002 made Application No. 7523-3, November 16, 2012 for a water permit to divert 2.00 cubic feet of water per second from ground water (two wells – Big Sioux Unnamed Creek Aquifer), Brookings County, South Dakota for irrigation purposes. Permit No. 7523-3, with a priority date of November 16, 2012 was approved February 11, 2013 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 11, 2018 and for the application to beneficial use of said water on or before February 11, 2022.

The Permit holder submitted a "*Notice of Completion of Works and Application of Water to Beneficial Use*" on February 24, 2014. The "*Notice*" stated the water use system was completed and water placed to beneficial use on July 24, 2013.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.00 cubic feet of water per second for beneficial use.

The location of the diversion points are:

- Well #1 – 1,320 feet N and 1,300 feet W of the SE corner of Section 3, T111N, R49W (NE ¼ SE ¼);
- Well #2 – 700 feet N and 1,300 feet W of the SE corner of Section 3, T111N, R49W (SE ¼ SE ¼).

(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:

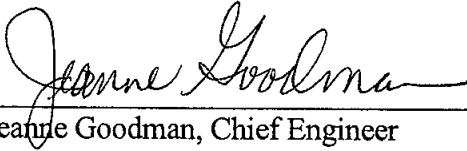
|                       |           |           |
|-----------------------|-----------|-----------|
| T111N, R49W Section 3 | NE ¼ SE ¼ | 38 acres  |
|                       | NW ¼ SE ¼ | 39 acres  |
|                       | SW ¼ SE ¼ | 38 acres  |
|                       | SE ¼ SE ¼ | 37 acres  |
| Total                 |           | 152 acres |

(4) Pursuant to South Dakota Water Law 46-5-30.1 Ben C Culver, 47497 207<sup>th</sup> St, Aurora SD 57002 the holder and/or owner of Water Right No. 7523-3 is issued a license to appropriate water, the right to use 1.00 cubic feet of water per second from ground water (two wells – Big Sioux Unnamed Creek Aquifer) with a priority date of November 16, 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. 7523-3 and subject to the following qualifications:

- The wells 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 wells authorized by Permit No. 7523-3 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. ***Wells drilled in 2013 by Steffl drilling – copies of logs are 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

FEB 17 2015

date

