

**WATER PERMIT NO. 7709-3**

Name of Applicant: Christian Roebke

Address: 506 South Smith St, Clark SD 57225

Phone: 605 881-5393

Amount of Water Claimed: 4.0 cfs

Total Acres: 320

Source of Water Supply: groundwater (4 wells)

Water to be used for: irrigation

County: Clark

Type of Waste Disposal System:

Location: 8 miles southwest of Clark

PRIORITY

Date Received: 2-22-13

Application/License Fee: \$ 1350

Corrected Application Received:

Period of Annual Use: May 1 – October 31

Remarks:

Diversion Point: NW 1/4 NW 1/4, NW 1/4 SW 1/4

Sec 2-T115N-R59W

Land to be Irrigated: W 1/2 Sec 2-T115N-R59W

Depth of Well: 148 feet deep

Well Driller: Manikowski Well Drilling

Remarks:

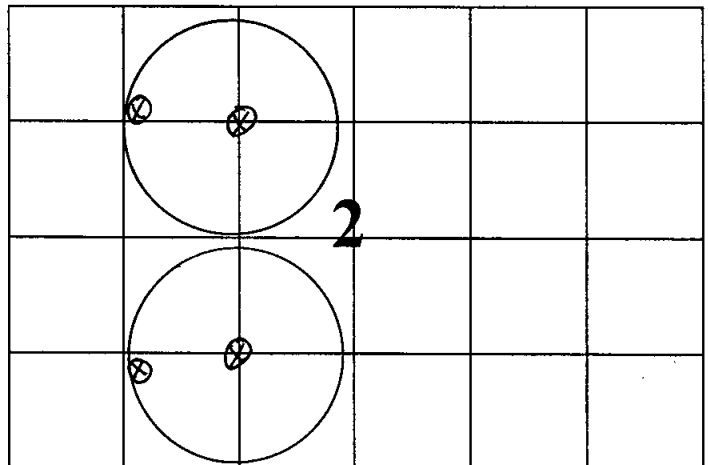
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 2-26-13

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>7709-3</u> (office use only)        | Hydrologic Unit <u>10160006</u>      |
|                                                                                                                 | Basin <u>James River</u>                   | <u>605-532-3654</u>                  |
|                                                                                                                 | Newspaper <u>Clark Co. Courier</u>         | <u>1191<sup>st</sup> Ave E 57225</u> |
|                                                                                                                 | <u>Plainsman Box 1278 Huron 57350 6401</u> |                                      |

RECEIVED  
FEB 22 2013  
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 CHRISTIAN ROEBKE  
(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent \_\_\_\_\_  
(name and complete address if different than above name)

Mailing Address 506 South Smith Str. CLARK SD 57225  
(Address) (City) (State) (Zip Code)

Home Phone 605-532-5204 Cell 881-5393 Email \_\_\_\_\_

2. Amount of water claimed 4.0 \*CFS or 1800 \*\*GPM \_\_\_\_\_ \*\*\*AF Total Acreage 320  
(\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply well & pump (approximate center SW 1/4)

4. Location of point of diversion 2 wells NW 1/4 NW 1/4 sec 2 (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)  
(approximate center of NW 1/4) County CLARK

5. County or counties where water will be used CLARK

6. Annual period during which water is to be used may 1 - October 31

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

| Land Description           | Acres | Land Description           | Acres |
|----------------------------|-------|----------------------------|-------|
| NE 1/4 NW 1/4 Sec 2-115-59 | 40    | NE 1/4 SW 1/4 Sec 2-115-59 | 40    |
| NW 1/4 NW 1/4 Sec 2-115-59 | 40    | NW 1/4 SW 1/4 Sec 2-115-59 | 40    |
| SE 1/4 NW 1/4 Sec 2-115-59 | 40    | SE 1/4 SW 1/4 Sec 2-115-59 | 40    |
| SW 1/4 NW 1/4 Sec 2-115-59 | 40    | SW 1/4 SW 1/4 Sec 2-115-59 | 40    |

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

Apply water by pump through center Pivot

I, Christian Roebke, 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. 7709-3**

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Date of first receipt of application February 22, 2013.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7709-3 to Christian Roebke, 506 S Smith St, Clark SD 57225 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. 7709-3 appropriates 4.0 cubic feet of water per second from four wells to be completed into the Altamont Aquifer (148 feet deep) located in the approximate center of the NW 1/4, NW 1/4 NW 1/4 and the approximate center of the SW 1/4, SW 1/4 SW 1/4 Section 2 for irrigation of 320 acres located in the W 1/2 Section 2; all in T115N-R59W.
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 – October 31.
3. The date from which applicant may claim right is February 22, 2013.
4. The date of approval of Permit No. 7709-3 is June 3, 2013.
5. One-fifth of the construction is to be completed on or before December 3, 2015.
6. All construction is to be completed on or before June 3, 2018.
7. Water is to be put to beneficial use on or before June 3, 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. 7709-3 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**

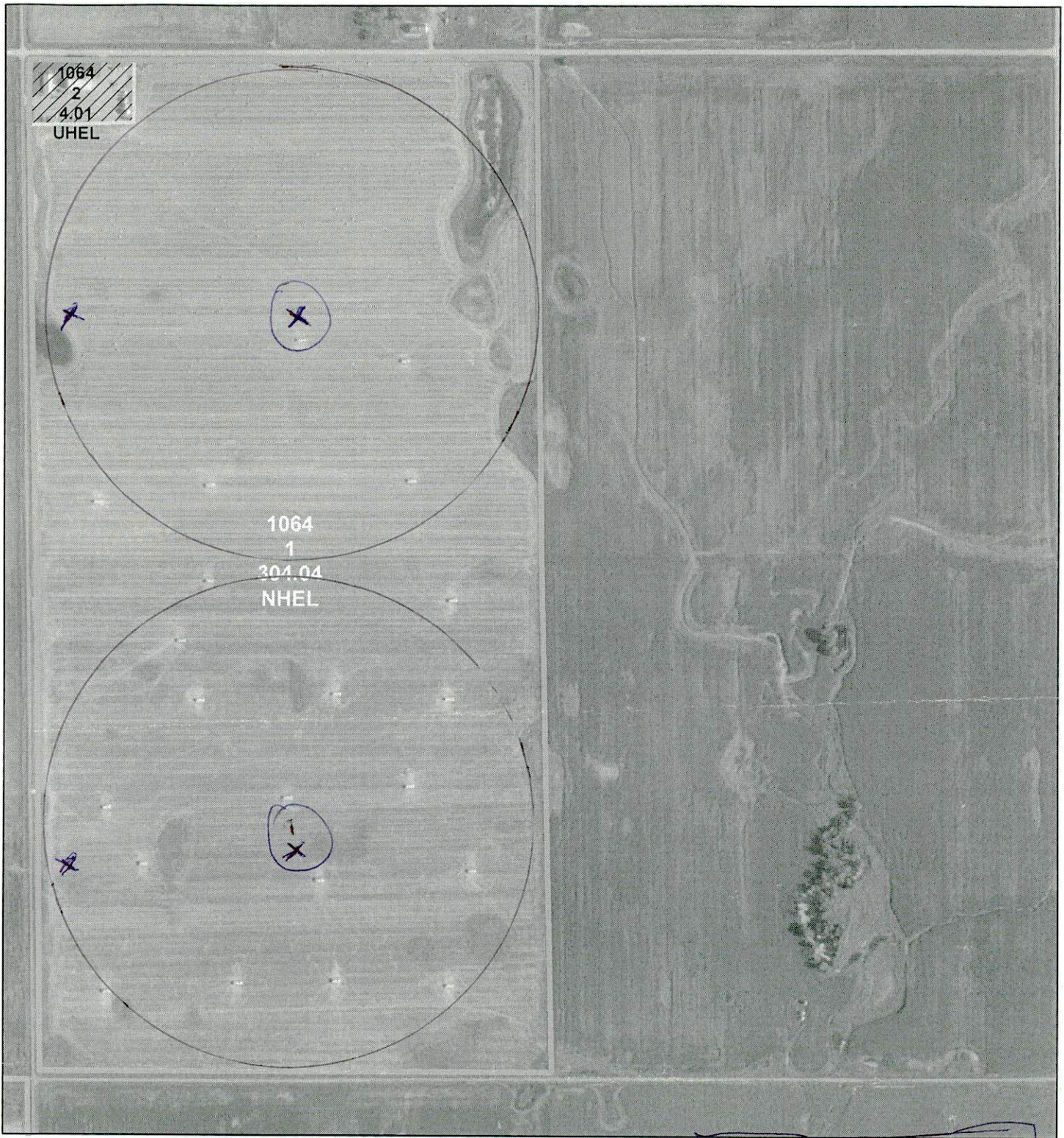
By:   
Jeanne Goodman, Chief Engineer  
Water Rights Program  
Department of Environment and Natural Resources

**JUN 18 2013**

date







United States Department of Agriculture  
Farm Service Agency

2

RECEIVED

FEB 22 2013

Clark County, SD

1:8,269

*Marty L. Bertsch, FSA*

*w/2*  
PLSS: 2\_115\_59  
Farm: 3935

WATER RIGHTS PROGRAM

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

Wetland Determination Identifiers

- & Restricted Use
- \* Limited Restrictions
- ) Exempt from Conservation Compliance Provisions

Common Land Units

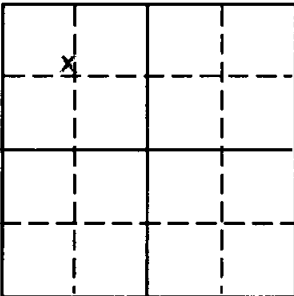
Non Cropland

2010 Ortho-Photography - Not to Scale

February 14, 2011

# SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

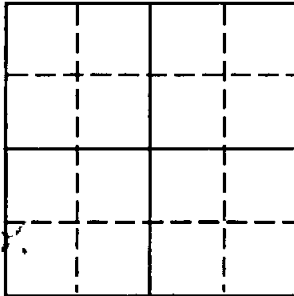
| Location <u>NW 1/4 NW 1/4</u> Sec <u>2</u> Twp <u>115</u> Rg <u>54</u><br><br>County <u>Clark</u><br><br><div style="text-align: center;">  </div> Please mark well location with an "X"<br><br>Well completion Date <u>1-10-13</u><br><br>Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)<br><u>21500</u> ft. from <u>Feed lot</u> (identify source)                                                                                                                                                            |            | Well Owner: <u>Chris Reelske</u><br>Business Name: _____<br>Address1: _____<br>Address2: _____<br>City, State, Zip: _____<br><b>WELL LOG:</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">FORMATION</th> <th colspan="2">DEPTH</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td><u>Topsoil</u></td> <td><u>0</u></td> <td><u>1</u></td> </tr> <tr> <td><u>Yellow clay</u></td> <td><u>1</u></td> <td><u>15</u></td> </tr> <tr> <td><u>Blue clay</u></td> <td><u>15</u></td> <td><u>95</u></td> </tr> <tr> <td><u>Medium Sand</u></td> <td><u>55</u></td> <td><u>60</u></td> </tr> <tr> <td><u>Blue clay till</u></td> <td><u>60</u></td> <td><u>129</u></td> </tr> <tr> <td><u>Sand &amp; Gravel</u></td> <td><u>129</u></td> <td><u>148</u></td> </tr> <tr> <td><u>Shale</u></td> <td><u>148</u></td> <td><u>160</u></td> </tr> </tbody> </table> |          | FORMATION     | DEPTH |               | FROM  | TO | <u>Topsoil</u> | <u>0</u> | <u>1</u> | <u>Yellow clay</u> | <u>1</u> | <u>15</u> | <u>Blue clay</u> | <u>15</u> | <u>95</u> | <u>Medium Sand</u> | <u>55</u> | <u>60</u> | <u>Blue clay till</u> | <u>60</u> | <u>129</u> | <u>Sand &amp; Gravel</u> | <u>129</u> | <u>148</u> | <u>Shale</u>                                                                                                                                                                                                                                          | <u>148</u> | <u>160</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-------|---------------|-------|----|----------------|----------|----------|--------------------|----------|-----------|------------------|-----------|-----------|--------------------|-----------|-----------|-----------------------|-----------|------------|--------------------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| FORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DEPTH      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FROM       | TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Topsoil</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>0</u>   | <u>1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Yellow clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>1</u>   | <u>15</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Blue clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>15</u>  | <u>95</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Medium Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>55</u>  | <u>60</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Blue clay till</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>60</u>  | <u>129</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Sand &amp; Gravel</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>129</u> | <u>148</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <u>Shale</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>148</u> | <u>160</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>PROPOSED USE:</b><br><input type="checkbox"/> Domestic/Stock <input type="checkbox"/> Municipal <input type="checkbox"/> Business <input checked="" type="checkbox"/> Test Holes<br><input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Monitoring well                                                                                                                                                                                                                                                                                                   |            | <b>STATIC WATER LEVEL</b> _____ FEET<br>If flowing: closed in pressure _____ PSI<br>GPM flow _____ through _____ inch pipe<br>Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Reducers <input type="checkbox"/> Other _____<br>Reduced flow rate _____ GPM<br>Can well be completely shut in? _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>METHOD OF DRILLING:</b><br><u>Forced Rotary</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | <b>WELL TEST DATA:</b><br><input type="checkbox"/> Pumped Describe: _____<br><input type="checkbox"/> Bailed _____<br><input type="checkbox"/> Other _____<br>Pumping Level Below Land Surface<br>_____ Ft. After _____ Hrs. pumped _____ GPM<br>_____ Ft. After _____ Hrs. pumped _____ GPM<br>If pump installed, pump rate: _____ GPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>CASING DATA:</b> <input type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Other<br>If other describe _____<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PIPEWEIGHT</th> <th>DIAMETER</th> <th>FROM</th> <th>TO</th> <th>HOLE DIAMETER</th> </tr> <tr> <th>LB/FT</th> <th>IN</th> <th>FT</th> <th>FT</th> <th>IN</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> |            | PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DIAMETER | FROM          | TO    | HOLE DIAMETER | LB/FT | IN | FT             | FT       | IN       |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            | <b>GROUTING DATA:</b><br>Grout Type <u>High solids</u> No. of Sacks <u>Badark</u> Grout Weight <u>7</u> Lb/gal From <u>9.5</u> Ft. To <u>1210.5</u> Hrs. Ft.<br>Describe grouting procedure <u>Dumped through 1 1/4 steel pipe from bottom to top</u> |            |            |
| PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIAMETER   | FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TO       | HOLE DIAMETER |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| LB/FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IN         | FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FT       | IN            |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>SCREEN:</b> <input type="checkbox"/> Perforated pipe <input type="checkbox"/> Manufactured<br>Diameter _____ Inches Length _____ Feet<br>Material _____<br>Slot Size _____ Set From _____ Feet to _____ Feet<br>Other information _____                                                                                                                                                                                                                                                                                                                                                                                                       |            | <div style="border: 2px solid black; padding: 10px; transform: rotate(-5deg);"> <b>RECEIVED</b><br/> <b>FEB 22 2013</b><br/> <b>WATER RIGHTS PROGRAM</b> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>REMARKS</b><br><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>WAS A PACKER OR SEAL USED?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No<br>If so, what material? _____<br>Describe packer(s) and location _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |
| <b>DISINFECTION:</b> Was well disinfected upon completion?<br><input type="checkbox"/> Yes, How? _____<br><input type="checkbox"/> No, Why Not? _____<br>Lab sample sent to for water quality analysis _____                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | This well was drilled under license # <u>285</u><br>And this report is true and accurate.<br>Drilling firm: <u>Murkowski Well Drilling Inc</u><br>Signature of License Representative: _____<br>Signature of Well Owner or Equitable Property Holder: _____<br>Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               |       |               |       |    |                |          |          |                    |          |           |                  |           |           |                    |           |           |                       |           |            |                          |            |            |                                                                                                                                                                                                                                                       |            |            |

Please return White Copy to DENR Water Rights

523 E. Capitol Ave., Pierre SD 57501

# SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

| Location <u>S 12 1/4</u> Sec <u>15</u> Twp <u>115</u> Rg <u>5</u><br>County <u>Black</u><br>Please mark well location with an "X"<br><br>Well completion Date <u>11-11-13</u><br>Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)<br><u>2100</u> ft. from _____ (identify source)                                                                                                                                                                                                               |              | Well Owner: _____<br>Business Name: _____<br>Address 1: _____<br>Address 2: _____<br>City, State, Zip: _____<br><b>WELL LOG:</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">FORMATION</th> <th colspan="2">DEPTH</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td><u>Gravel</u></td><td><u>0</u></td><td><u>1</u></td></tr> <tr><td><u>Sand</u></td><td><u>1</u></td><td><u>15</u></td></tr> <tr><td><u>Clay</u></td><td><u>15</u></td><td><u>25</u></td></tr> <tr><td><u>Sand</u></td><td><u>25</u></td><td><u>35</u></td></tr> <tr><td><u>Clay</u></td><td><u>35</u></td><td><u>45</u></td></tr> <tr><td><u>Sand</u></td><td><u>45</u></td><td><u>55</u></td></tr> <tr><td><u>Clay</u></td><td><u>55</u></td><td><u>65</u></td></tr> <tr><td><u>Sand</u></td><td><u>65</u></td><td><u>75</u></td></tr> <tr><td><u>Clay</u></td><td><u>75</u></td><td><u>85</u></td></tr> <tr><td><u>Sand</u></td><td><u>85</u></td><td><u>95</u></td></tr> <tr><td><u>Clay</u></td><td><u>95</u></td><td><u>105</u></td></tr> </tbody> </table> |              | FORMATION     | DEPTH |               | FROM  | TO | <u>Gravel</u> | <u>0</u> | <u>1</u> | <u>Sand</u> | <u>1</u> | <u>15</u> | <u>Clay</u> | <u>15</u> | <u>25</u> | <u>Sand</u> | <u>25</u> | <u>35</u> | <u>Clay</u> | <u>35</u>                                                                                                                                                       | <u>45</u> | <u>Sand</u> | <u>45</u> | <u>55</u> | <u>Clay</u>                                                                                                                                                                                                                                                                                                                         | <u>55</u> | <u>65</u> | <u>Sand</u> | <u>65</u> | <u>75</u> | <u>Clay</u> | <u>75</u> | <u>85</u> | <u>Sand</u> | <u>85</u> | <u>95</u> | <u>Clay</u> | <u>95</u> | <u>105</u> |
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| FORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DEPTH        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FROM         | TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Gravel</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>0</u>     | <u>1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>1</u>     | <u>15</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>15</u>    | <u>25</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>25</u>    | <u>35</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>35</u>    | <u>45</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>45</u>    | <u>55</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>55</u>    | <u>65</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>65</u>    | <u>75</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>75</u>    | <u>85</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Sand</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>85</u>    | <u>95</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <u>Clay</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>95</u>    | <u>105</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>PROPOSED USE:</b><br><input type="checkbox"/> Domestic/Stock <input type="checkbox"/> Municipal <input type="checkbox"/> Business <input checked="" type="checkbox"/> Test Holes<br><input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Monitoring well<br><b>METHOD OF DRILLING:</b><br><u>Rotary</u>                                                                                                                                                                                                                                  |              | <b>STATIC WATER LEVEL</b> _____ FEET<br>If flowing: closed in pressure _____ PSI<br>GPM flow _____ through _____ Inch pipe<br>Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Reducers <input type="checkbox"/> Other _____<br>Reduced flow rate _____ GPM<br>Can well be completely shut in? _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>CASING DATA:</b> <input type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Other<br>If other describe _____<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PIPEWEIGHT</th> <th>DIAMETER</th> <th>FROM</th> <th>TO</th> <th>HOLE DIAMETER</th> </tr> <tr> <th>LB/FT</th> <th>IN</th> <th>FT</th> <th>FT</th> <th>IN</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |              | PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DIAMETER     | FROM          | TO    | HOLE DIAMETER | LB/FT | IN | FT            | FT       | IN       |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           | <b>WELL TEST DATA:</b><br><input type="checkbox"/> Pumped Describe: _____<br><input type="checkbox"/> Bailed _____<br><input type="checkbox"/> Other _____<br>Pumping Level Below Land Surface<br>_____ Ft. After _____ Hrs. pumped _____ GPM<br>_____ Ft. After _____ Hrs. pumped _____ GPM<br>If pump installed, pump rate: _____ |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DIAMETER     | FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TO           | HOLE DIAMETER |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| LB/FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IN           | FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FT           | IN            |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>GROUTING DATA:</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Grout Type</th> <th>No. of Sacks</th> <th>Grout Weight</th> <th>From</th> <th>To</th> </tr> <tr> <th> </th> <th> </th> <th>Lb/gal</th> <th>Ft</th> <th>Ft</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> Describe grouting procedure <u>Grout pump</u><br><u> </u>                                                                                                                         |              | Grout Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No. of Sacks | Grout Weight  | From  | To            |       |    | Lb/gal        | Ft       | Ft       |             |          |           |             |           |           |             |           |           |             | <div style="border: 2px solid black; padding: 10px; transform: rotate(-5deg);"> <b>RECEIVED</b><br/> <b>FEB 22 2013</b><br/> <b>WATER RIGHTS PROGRAM</b> </div> |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| Grout Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No. of Sacks | Grout Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | From         | To            |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | Lb/gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ft           | Ft            |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>SCREEN:</b> <input type="checkbox"/> Perforated pipe <input type="checkbox"/> Manufactured<br>Diameter _____ Inches    Length _____ Feet<br>Material _____<br>Slot Size _____ Set From _____ Feet to _____ Feet<br>Other information _____                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>WAS A PACKER OR SEAL USED?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No<br>If so, what material? _____<br>Describe packer(s) and location _____                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | <b>REMARKS</b><br><br>This well was drilled under license # _____<br>And this report is true and accurate.<br>Drilling firm: <u> </u><br>Signature of License Representative: _____<br>Signature of Well Owner or Equitable Property Holder: _____<br>Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |
| <b>DISINFECTION:</b> Was well disinfected upon completion?<br><input type="checkbox"/> Yes, How? _____<br><input type="checkbox"/> No, Why Not? _____<br>Lab sample sent to for water quality analysis _____                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |       |               |       |    |               |          |          |             |          |           |             |           |           |             |           |           |             |                                                                                                                                                                 |           |             |           |           |                                                                                                                                                                                                                                                                                                                                     |           |           |             |           |           |             |           |           |             |           |           |             |           |            |

Please return White Copy to DENR Water Rights

523 E. Capitol Ave., Pierre SD 57501

# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

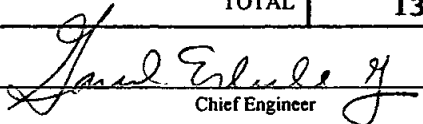
Date 7/26, 20 13

RECEIVED OF Christain Roebke 506 S Smith St Clark SD 57225

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

|                                                                                                                         |       |         |
|-------------------------------------------------------------------------------------------------------------------------|-------|---------|
| Fee for Application for Permit No. <u>7709-33</u> to Appropriate Water, to construct and to put water to beneficial use | 1150  | 00      |
| Fee for Application for Permit No. _____ to Appropriate Water for Future use                                            |       |         |
| Fee to retain Future Use Permit No. _____ after period of seven years.                                                  |       |         |
| Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>7709-33</u>            | 200   | 00      |
| Fee for Filing Transfer Form _____                                                                                      |       |         |
| Fee for _____                                                                                                           |       |         |
| Fee for Issuing New Well Driller's License No. _____ for C.Y. _____                                                     |       |         |
| Fee for Renewal of Well Driller's License No. _____ for C.Y. _____                                                      |       |         |
| Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____                                                  |       |         |
| Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____                                               |       |         |
| (Any Other Work Provided by Law)                                                                                        | TOTAL | 1350 00 |

No. **0617c**

By   
Chief Engineer



**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. 7709-3, Christian Roebke**

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. 7709-3, Christian Roebke, 506 South Smith Street, Clark SD 57225.

The Chief Engineer is recommending APPROVAL of Application No. 7709-3 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 Water 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. 7709-3 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.

Jeanne Goodman, Chief Engineer  
May 6, 2013

# **REPORT TO THE CHIEF ENGINEER**

## **WATER PERMIT APPLICATION NO. 7709-3**

**Christian Roebke**

**March 26, 2013**

Water Permit Application No. 7709-3 proposes to withdraw groundwater at a maximum diversion rate of 4.0 cubic feet of water per second (cfs) from four wells. The wells are expected to be 148 feet deep and located in the approximate center of the NW¼, the NW¼ NW¼, the approximate center of the SW¼, and the SW¼ SW¼, of Section 2, T115N-R59W. Water will be used to irrigate 320 acres located in the W½ of Section 2, T115N-R59W, in Clark County.

### **AQUIFER: Altamont aquifer (A)**

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

The Altamont aquifer is estimated to underlie 1.7 million acres and contain 7.2 million acre feet (ac-ft) of recoverable water in storage in South Dakota, underlying major portions of Clark, Day, Deuel, and Hamlin Counties (Hedges and others, 1982). In Clark County, the entire Altamont aquifer is estimated to underlie 1,020 square miles, equaling 652,800 acres, and contain 4,730,000 ac-ft of recoverable water in storage (Hamilton, 1986). Hamilton (1986) determined that the Altamont aquifer consists of three hydraulically connected units in Clark County. The proposed well sites are located in an area of the 'Altamont 2.' The Altamont 2 is a buried glacial outwash consisting of unconsolidated fine to very coarse sand and gravel and sandy silt. This unit underlies 630 square miles (Hamilton, 1986).

The Altamont in the area of the proposed well sites is under confined conditions and groundwater movement is generally toward the west (Hamilton, 1986). The aquifer is expected to be 100 feet below ground surface, approximately 30 feet thick, and lie directly on the Pierre Shale (SD Geological Survey, 2013; Hamilton, 1986). Two test hole logs were submitted with the application, which reported sand and gravel from 129 to 148 feet and 123 to 145 feet below ground surface with the aquifer materials confined and lying directly on shale. Water levels in the aquifer in the area of the proposed well sites are expected to be between 10 and 40 feet below ground surface (Water Rights, 2013a).

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

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

#### **WATER AVAILABILITY:**

If this application is approved, the actual water use will likely be less than 640 acre-feet per year (ac-ft/yr). The probability of unappropriated water available from an aquifer can be evaluated by considering SDCL 46-6-3.1, which requires "No application to appropriate groundwater may be

approved if, according to the best information reasonably available, it is probable the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source.” If the source of the water is older or lower than the greenhorn formation and a public water system has applied for a permit, the Board need not consider the recharge/withdrawal issue. Here, a public water system is not involved and the aquifer is not older or lower than the greenhorn formation therefore withdrawal/recharge issue must be considered.

### **Hydrologic Budget:**

#### *Recharge:*

Recharge to the Altamont aquifer in Clark County is through infiltration of precipitation and lateral inflow from other counties (Hamilton, 1986). Hamilton (1986) determined that recharge due to precipitation to the Altamont 2 is 1.5 inches /year, which equates to 50,400 ac-ft/yr for Clark County.

#### *Discharge:*

Discharge from the Altamont aquifer in Clark County occurs primarily by outflow to other counties and well withdrawals (Hamilton, 1986). The SD DENR-Water Rights Program appropriates water from the Altamont aquifer without consideration to hydraulic units. There are currently 71 water rights/permits appropriating water and one future use permit reserving water from the Altamont aquifer in South Dakota (Water Rights, 2013b).

In addition, there are many well completion reports on file with the SD DENR-Water Rights Program for domestic wells that appear to be completed into the Altamont aquifer (Water Rights, 2013c). The annual withdrawal due to domestic use is not significant to the hydrologic budget of the aquifer.

The amount of water that can be expected to be withdrawn by non-irrigation use water rights/permits can be estimated by assuming these water rights/permits, which are limited only by diversion rate, will pump at the maximum permitted diversion rate 60 percent of the time. Therefore, the total annual withdrawal from the Altamont aquifer by non-irrigation use is expected to be less than 3,793 ac-ft/yr (Water Rights, 2013b).

The one future use permit, No. 4052-3, Town of Henry, reserves 869 ac-ft/yr (Water Rights, 2013b). Full development of a future use permit is assumed.

The principal use of water from the Altamont aquifer is irrigation. The irrigation development of the Altamont aquifer has remained fairly steady over the period of record, 1979 to 2011. The annual withdrawal from the aquifer fluctuates, which is probably mostly dependent on annual growing season climatic conditions. Figure 1 shows the total annual pumpage reported from the aquifer over the period of record. The average pumpage reported equals 2,306 ac-ft/yr. Since 2011, six water permits have been authorized, so average irrigation pumpage could increase (Water Rights, 2013b).

### *Water Balance:*

The average annual withdrawal from the entire Altamont aquifer in South Dakota is estimated to be less than 6,968 ac-ft/yr, which is much lower than the recharge rate of 54,000 ac-ft/yr for just unit 2 of the Altamont aquifer just in Clark County. Therefore, there is a reasonable probability that unappropriated water is available from the Altamont aquifer for the proposed appropriation.

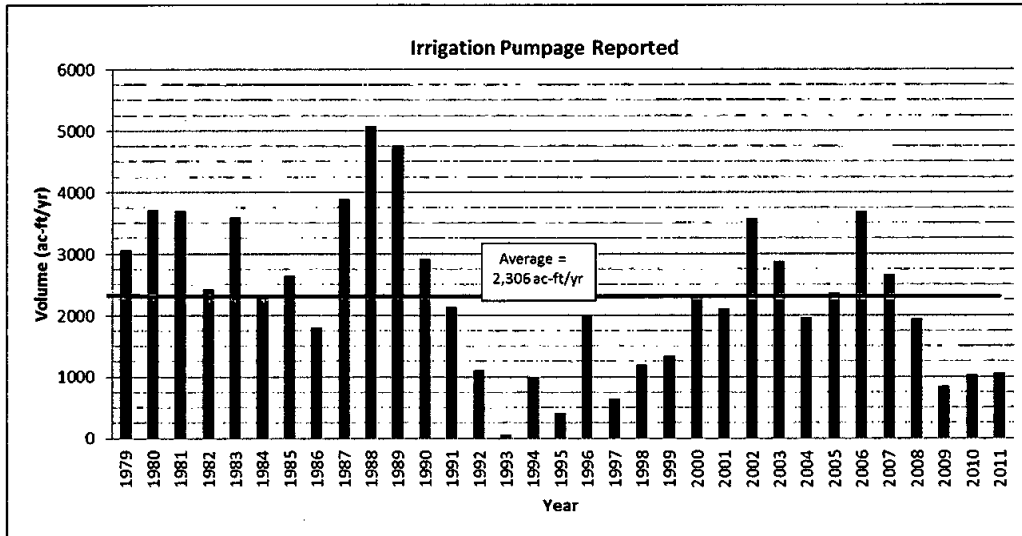


Figure 1: Historic irrigation use from the Altamont aquifer (Water Rights, 1980-2012)

### **Observation Well Data:**

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

The SD DENR-Water Rights Program monitors 29 observation wells completed into this area of the Altamont aquifer. The nearest observation wells, CK-76E and CK-76I, are located approximately one and a half miles northwest and two miles west of the proposed well sites, respectively (Water Rights, 2013a). The hydrographs for these wells are shown in Figures 2 and 3.

The observation well data documents cyclic conditions of water levels, recharging during wet years and declining during dry years. The effects of pumping in the aquifer are obvious, which is due to the artesian conditions of the aquifer. Temporal well withdrawal of the aquifer is masked by climatic conditions, indicating that recharge to and natural discharge from the aquifer greatly exceeds well withdrawal. Over the period of record, water levels have remained fairly steady or increased. Therefore, unappropriated water is available the Altamont aquifer to support the proposed appropriation.

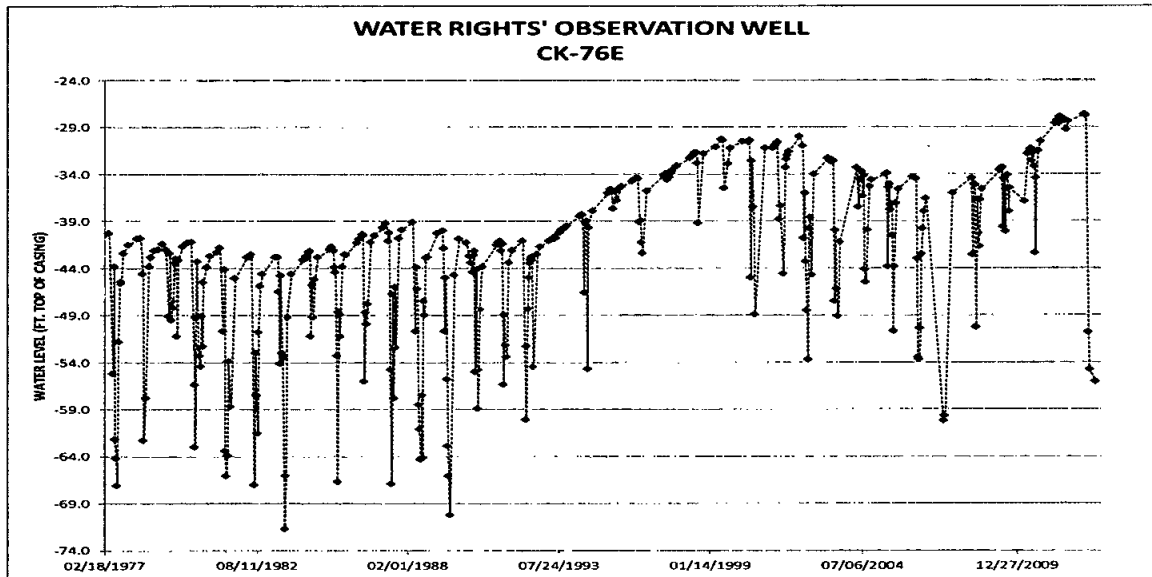


Figure 2: Hydrograph of observation well CK-76E (Water Rights, 2013a)

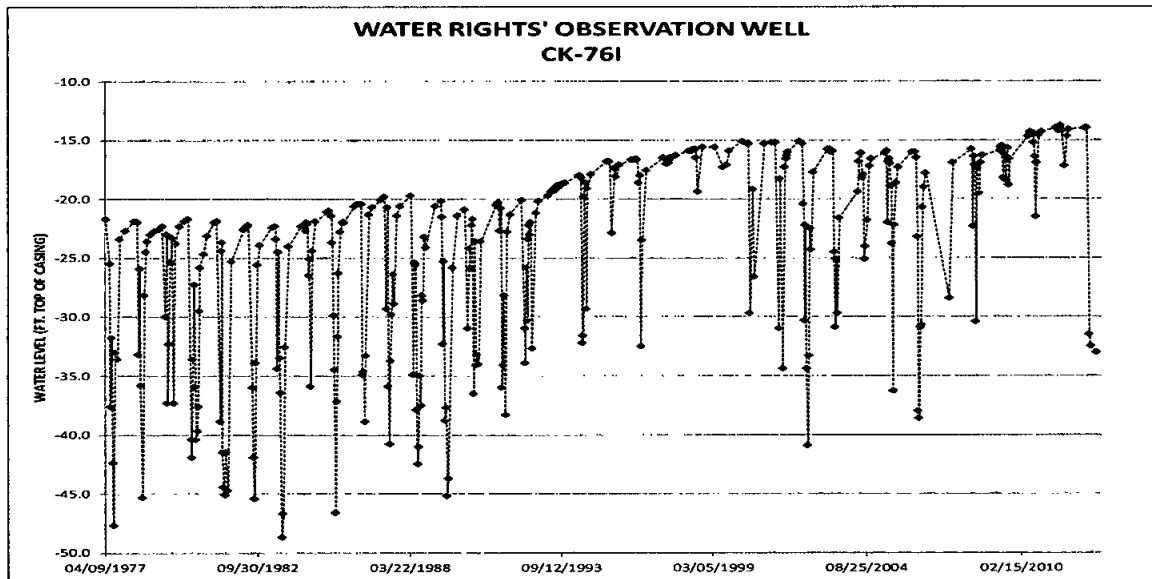


Figure 3: Hydrograph of observation well CK-76I (Water Rights, 2013a)

#### EXISTING WATER RIGHTS:

If approved, these wells will be located near other wells that obtain water from the same aquifer. In addition to domestic wells, there are six water rights/permits appropriating water from the Altamont aquifer within two miles of the proposed well sites. These are shown in Table 1. The nearest, Water Permit No. 6998-3, is located approximately one half mile west of the proposed well sites (Water Rights, 2013b).

Table 1: Water rights/permits within two miles of proposed well sites (Water Rights, 2013b)

| Permit No.                                                               | Name          | Priority Date | Status | Type | CFS  | Acres |
|--------------------------------------------------------------------------|---------------|---------------|--------|------|------|-------|
| 1776-3                                                                   | Riverview LLP | 09/28/1970    | LC     | IRR  | 1.93 | 135   |
| 3059-3                                                                   | Meyer Trust   | 09/22/1976    | LC     | IRR  | 2.01 | 269   |
| 6883-3                                                                   | Riverview LLP | 08/23/2007    | PE     | IRR  | 1.88 | 132   |
| 6998-3                                                                   | Riverview LLP | 03/06/2008    | PE     | COM  | 0.89 | 0     |
| 7105-3                                                                   | Riverview LLP | 03/16/2009    | PE     | IRR  | 0    | 364   |
| 7419-3                                                                   | James Orris   | 08/31/2012    | PE     | IRR  | 6.46 | 520   |
| LC = Water Rights, PE = Water Permit, IRR = Irrigation, COM = Commercial |               |               |        |      |      |       |

Since the Altamont aquifer is under artesian conditions, drawdown due to pumping is likely. However, precise drawdown cannot be quantified without aquifer testing. The Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. SDCL 46-6-6.1 does not require protection of artesian head pressure as a means of groundwater delivery. However, reasonable domestic use must be assured before irrigation use is allowed. Therefore, when considering irrigation projects, the Water Management Board must give consideration to maintaining artesian head pressure as a method of delivery for domestic wells. To balance interests between irrigation use and delivery of groundwater by artesian pressure, ARSD 74:02:04:20(7) defines an adversely impacted domestic well 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.”

Depending on the specific characteristics of the Altamont aquifer at the proposed well sites, some existing well owners may need to lower their pumps to accommodate possible reduction of head pressure. Therefore, there is a reasonable probability that any well interference from the proposed appropriation will not adversely or unlawfully impair existing nearby wells.

### **Artesian Springs:**

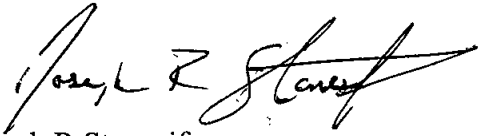
Historically, there have been a number of controversies regarding water rights/permits appropriating water from the Altamont aquifer and their effects on springs in the general area of the proposed well sites. Several of these controversies are summarized in Buhler (2012). Most of these concerns have been unsubstantiated.

The only protection of flow from an artesian spring is under the public interest criteria. The springs in this area are likely not ‘artesian springs,’ but springs originating due to the geography of the area. The terrain slopes downward, which eventually incises the water table of the Altamont aquifer. Small fluctuations in water levels could affect discharge from these springs. However, there has been no documentation of this. As previously discussed, well withdrawals are masked by natural water level fluctuations.

The proposed appropriation, annual volume and diversion rate, are not likely to have a measurable impact on spring discharges. Only springs located within the cone of influence of a well are expected to be impacted, as was the case in a 1975 complaint (Buhler, 2012). Nearby observation wells will document the effects of pumping due to the proposed diversion.

**CONCLUSIONS:**

1. Water Permit Application No. 7709-3 proposes to withdraw groundwater at a maximum diversion rate of 4.0 cfs from four wells to be completed into the Altamont aquifer in Clark County for the irrigation of 320 acres.
2. There is a reasonable probability that unappropriated water is available from the Altamont aquifer to supply the proposed appropriation.
3. There is a reasonable probability that any possible well inference due to the proposed appropriation will not adversely or unlawfully impair existing users.



Joseph R Stonesifer  
SD DENR-Water Rights Program

Approved by



Ken Buhler  
SD DENR-Water Rights Program

## REFERENCES:

- Buhler, K.A. 2012, Report to the Chief Engineer on Water Permit Application No. 7419-3, James R Orris, October 26, 2012, SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, South Dakota.
- Hamilton, L.J., 1986, Geology and Water Resources of Clark County, South Dakota; Part II: Water Resources: South Dakota Geological Survey Bulletin 29, 62 p. Vermillion, South Dakota.
- 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
- SD Geological Survey. 2013. Lithologic Logs Database, South Dakota Department of Environment & Natural Resources Geological Survey, Vermillion, South Dakota.
- Water Rights, 1980-2012. "Irrigation Report Summaries." SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

**NOTICE OF APPLICATION NO.  
7709-3 to Appropriate Water**

Notice is given that Christian Roebke, 506 South Smith St., Clark, SD 57225 has filed an application for a water permit to appropriate 4.0 cubic feet of water per second from four wells to be completed into the Altamont Aquifer (148 feet deep) located in the approximate center of the NW 1/4, NW 1/4 NW 1/4 and the approximate center of the SW 1/4, SW 1/4, SW 1/4 Section 2 for irrigation of 320 acres located in the W 1/2 Section 2; all in T115N-R59 W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7709-3 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 May 28, 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 \$25.26.

5-15-1t

**Affidavit of Publication**

State of South Dakota

County of Clark

William J. Krikac of said county, being personally sworn, on oath says that he is the publisher of the **Clark County Courier**, a weekly newspaper printed and published in Clark in said County of Clark and has a full and personal knowledge of all the facts therein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the

**SD DENR  
Christian Roebke**

a printed copy of which taken from the paper in which same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once in each week for

**ONE**

successive weeks, on the day of each week on which said newspaper was regularly published, to wit:

**May 15, 2013**

that the full amount of the fees for the publication of the annexed notice is **25.26**

*William J. Krikac*

Subscribed and sworn to before me this

**16th day of May, 2013**

*Anna Helke*

Notary Public  
Clark County, South Dakota

**My Commission expires: 06/04/2013**

**RECEIVED**

**\$ MAY 17 2013**

**WATER RIGHTS  
PROGRAM**

RECEIVED

MAY 23 2013

PRINTER'S AFFIDAVIT

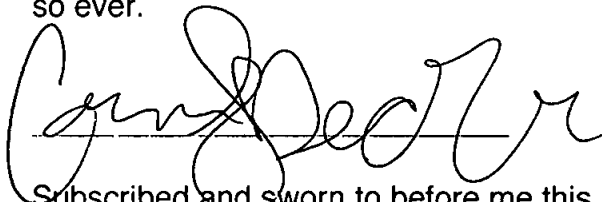
STATE OF SOUTH DAKOTA,  
COUNTY OF BEADLE: ss.

WATER RIGHTS  
PROGRAM

I, CORINN DECKER, being duly sworn on oath, say that THE PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

**SD ENVIRONMENTAL & NATURAL – WATER RIGHTS - ROEBKE**

was published for one day, in said newspaper, and not in any supplement of the said newspaper, the publication was of the 15<sup>TH</sup> day MAY 2013 That the full THIRTY-FOUR & 12/000 dollars insures to the benefit of the publisher 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 whom so ever.



Subscribed and sworn to before me this 31<sup>ST</sup> day of MAY 2013.



Notary Public, South Dakota

My term expires 10/25/2017

Legal # 760

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 May 28, 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.

No. 760 (adv.)  
Published one time at the total approximate cost of \$34.12.

F.P. 05-15-13

**NOTICE OF  
APPLICATION  
NO. 7709-3 to**

**Appropriate Water**

Notice is given that Christian Roebke, 506 South Smith St, Clark SD 57225 has filed an application for a water permit to appropriate 4.0 cubic feet of water per second from four wells to be completed into the Altamont Aquifer (148 feet deep) located in the approximate center of the NW 1/4, NW 1/4 NW 1/4 and the approximate center of the SW 1/4, SW 1/4 SW 1/4 Section 2 for irrigation of 320 acres located in the W 1/2 Section 2; all in T115N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7709-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of



**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.**

May 6, 2013

Christian Roebke  
506 South Smith Street  
Clark SD 57225

Dear Mr. Roebke:

Water Permit Application No. 7709-3 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 Clark County Courier printed at Clark SD (Ph # 605-532-3654) and the Plainsman printed at Huron SD (Ph # 605-352-6401). 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.



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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

[denr.sd.gov](http://denr.sd.gov)

May 6, 2013

Plainsman  
PO Box 1278  
Huron SD 57350

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7709-3 to Appropriate Water. Please publish the notice once on May 15, 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 Christian Roebke, 506 South Smith Street, Clark SD 57225 (Ph # 605-532-5204).

**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

## Schlaak, Karen

---

**From:** Ruby Crandall <rnewman.plainsman@midconetwork.com>  
**Sent:** Tuesday, May 07, 2013 10:46 AM  
**To:** Schlaak, Karen  
**Subject:** Re: Application No. 7709-3, Christian Roebke

I have received your email.  
Thank you.

Ruby (Newman) Crandall  
Creative Services Supervisor

Plainsman/Payday/Print Shop  
49 3rd Street SE  
Huron, SD 57350

**605-353-7412**

**1-800-859-3045, ext. 412**

fax: 605-353-7422

[rnewman.plainsman@midconetwork.com](mailto:rnewman.plainsman@midconetwork.com)

On May 7, 2013, at 9:43 AM, Schlaak, Karen wrote:

Attached is the Notice of Application No. 7709-3 for Christian Roebke, 506 S Smith St, Clark SD 57225 (605 881-5393). The notice is to be published on May 15, 2013 and Mr. Roebke has been advised to authorize publication and arrange for payment.

*Karen Schlaak*

Water Rights Program

Phone: 605 773-3352

Fax: 605 773-4068

<7709-3public.short.docx>



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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PIERRE, SOUTH DAKOTA 57501-3182

[denr.sd.gov](http://denr.sd.gov)

May 6, 2013

Clark County Courier  
119 1<sup>st</sup> Ave E  
Clark SD 57225

ATTENTION: Legal Public Notice

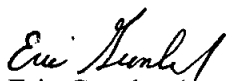
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Sincerely,

  
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Natural Resources Engineer  
605 773-3352

enclosures

Instruction to Newspaper - Publish the Notice on May 15, 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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Published once at the total approximate cost of\_\_\_\_\_.

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7709-3 to Appropriate Water**

Notice is given that Christian Roebke, 506 South Smith St, Clark SD 57225 has filed an application for a water permit to appropriate 4.0 cubic feet of water per second from four wells to be completed into the Altamont Aquifer (148 feet deep) located in the approximate center of the NW 1/4, NW 1/4 NW 1/4 and the approximate center of the SW 1/4, SW 1/4 SW 1/4 Section 2 for irrigation of 320 acres located in the W 1/2 Section 2; all in T115N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7709-3 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 June 3, 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

**Affidavit of Publication**

State of South Dakota

County of Clark

§ JUN 13 2013

**WATER RIGHTS  
PROGRAM**

William J. Krikac of said county, being first duly sworn, on oath says that he is the publisher of the **Clark County Courier**, a weekly newspaper printed and published in Clark in said County of Clark and has a full and personal knowledge of all the facts therein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the

**SD DNR  
CHRISTIAN ROEBKE**

a printed copy of which taken from the paper in which same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once in each week for

**ONE**

successive weeks, on the day of each week on which said newspaper was regularly published, to wit:

**MAY 22, 2013**

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 \$25.60.  
5-22-1t

that the full amount of the fees for the publication of the annexed notice is

**25.26**

*William J. Krikac*

Subscribed and sworn to before me this

**12TH DAY OF JUNE, 2013**

*Arnell Zelke*

Notary Public  
Clark County, South Dakota

My Commission expires: 06/04/2019

**Schlaak, Karen**

---

**From:** Schlaak, Karen  
**Sent:** Monday, May 20, 2013 10:15 AM  
**To:** 'courier@itctel.com'  
**Subject:** FW: Notice for Christian Roebke  
**Attachments:** 7709-3public.short.docx; notice.pdf

Kimberly,

Attached is the Notice of application No. 7709-3 for Christian Roebke that needs to be republished on May 29<sup>th</sup>. Please send us the affidavit ASAP.

I have also attached the a copy of the notice published on May 15, 2013 with the errors noted.

If you have any questions, let me know.

*Karen Schlaak*

Water Rights Program

Phone: 605 773-3352

Fax: 605 773-4068



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

[denr.sd.gov](http://denr.sd.gov)

May 20, 2013

Christian Roebke  
506 South Smith Street  
Clark Sd 57225

Dear Mr. Roebke:

As stated in our phone conversation, the Notice of Application No. 7709-3 to Appropriate Water published in the Clark County Courier contained errors in the legal description of the well locations (copy enclosed). Therefore, the notice needs to be readvertised to correct the errors and ensure your water permit is free from any legal entanglements due to insufficient public notice.

The Clark County Courier has been instructed to publish the notice again on May 22, 2013 with date for submittal of petitions being June 3, 2013. If you have any questions, please contact me.

Sincerely,

Karen Schlaak  
Water Rights Program  
605 773-3352

enclosures

---

NOTICE OF APPLICATION NO. 7709-3 to Appropriate Water

Notice is given that Christian Roebke, 506 South Smith St, Clark SD 57225 has filed an application for a water permit to appropriate 4.0 cubic feet of water per second from four wells to be completed into the Altamont Aquifer (148 feet deep) located in the approximate center of the NW 1/4, NW 1/4 NW 1/4 and the approximate center of the SW 1/4, SW 1/4 SW 1/4 Section 2 for irrigation of 320 acres located in the W 1/2 Section 2; all in T115N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7709-3 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 June 3, 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  
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**JUN 18 2013**

Christian Roebke  
506 S Smith St  
Clark SD 57225

Dear Mr. Roebke:

Enclosed is Water Permit No. 7709-3 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,

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

enclosures



7709-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
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[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 24, 2014

NOTICE

TO: CHRISTIAN ROEBKE, 506 S SMITH ST, CLARK, SD 57225

FROM: Ron Duvall, Natural Resources Engineer  
for Garland Erbele, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2013 Irrigation Questionnaire(s)

Our records indicate that the 2013 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7709-3. The request for the Questionnaire was dated October 18, 2013. The Water Management Board has directed that owners of water permits who have not submitted the 2013 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7709-3 qualification:

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

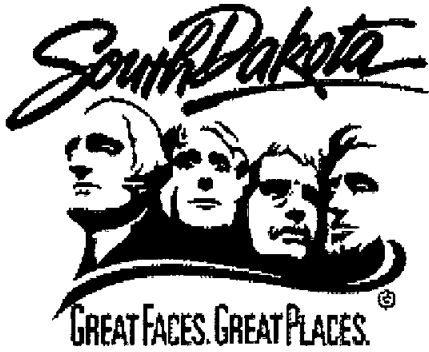
The hearing will be held at **9:00 am, March 6, 2014** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7709-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is (are) received in this office on/or before **March 3, 2014**, you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

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



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February 11, 2014

7709-3

Christian Roebke  
506 S Smith St  
Clark SD 57225

Dear Mr. Roebke:

I am writing to acknowledge receipt of your 2013 irrigation questionnaire.

You may disregard the January 24, 2014, "Notice" concerning reporting requirements for Water Permit No. 7709-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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

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



7709-3  
DEPARTMENT of ENVIRONMENT  
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[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 15, 2016

NOTICE

TO: CHRISTIAN ROEBKE, 506 S SMITH ST, CLARK, SD 57225

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

SUBJECT: Reporting Requirement for 2015 Irrigation Questionnaire(s)

Our records indicate your 2015 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7709-3. The request for the Questionnaire was dated October 23, 2015. The Water Management Board has directed that owners of water permits who have not submitted the 2015 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7709-3 qualification:

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

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

1. Suspend or cancel Permit No(s) 7709-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

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

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



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 24, 2016

7709-3

Christian Roebke  
506 S Smith St  
Clark SD 57225

Dear Mr. Roebke:

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

You may disregard the January 15, 2016, "Notice" concerning reporting requirements for Water Permit No. 7709-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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



7709-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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January 20, 2017

NOTICE

TO: CHRISTIAN ROEBKE, 506 S SMITH ST, CLARK, SD 57225

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

SUBJECT: Reporting Requirement for 2016 Irrigation Questionnaire(s)

Our records indicate your 2016 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7709-3. The request for the Questionnaire was dated October 21, 2016. The Water Management Board has directed that owners of water permits who have not submitted the 2016 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7709-3 qualification:

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

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

1. Suspend or cancel Permit No(s) 7709-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

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

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



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Certified Mail™

| DATE & TIME                | STATUS OF ITEM | LOCATION        |
|----------------------------|----------------|-----------------|
| January 24, 2017 , 2:39 pm | Delivered      | CLARK, SD 57225 |

Your item was delivered at 2:39 pm on January 24, 2017 in CLARK, SD 57225.

|                            |                                                 |                  |
|----------------------------|-------------------------------------------------|------------------|
| January 21, 2017 , 8:00 am | Notice Left (No Authorized Recipient Available) | CLARK, SD 57225  |
| January 21, 2017 , 1:57 am | Departed USPS Origin Facility                   | HURON, SD 57399  |
| January 20, 2017 , 9:20 pm | Arrived at USPS Origin Facility                 | HURON, SD 57399  |
| January 20, 2017 , 6:33 pm | Departed Post Office                            | PIERRE, SD 57501 |
| January 20, 2017 , 2:16 pm | Acceptance                                      | PIERRE, SD 57501 |

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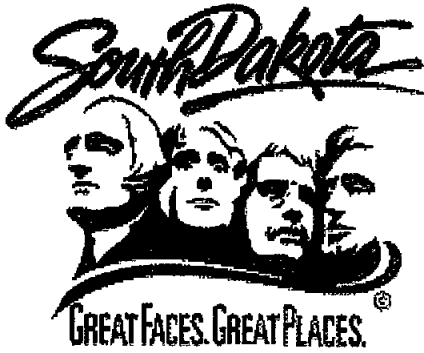
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1-24-17  
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HereCHRISTIAN ROEBKE  
506 S SMITH ST  
CLARK SD 57225

PS Form 3800, August 2006

See Reverse for Instructions



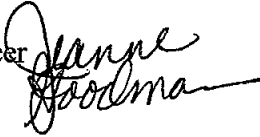
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March 2, 2017

NOTICE OF ENTRY OF ORDER FOR ONE YEAR SUSPENSION OF WATER PERMIT

TO: Christian Roebke, 506 S Smith St, Clark SD 57225

FROM: Jeanne Goodman, Chief Engineer  
Water Rights Program 

SUBJECT: One Year Suspension of Water Permit No. 7709-3

On March 1, 2017, the Water Management Board ordered:

**Effective April 1, 2017, Water Permit No. 7709-3 be suspended for the 2017 irrigation season for failure to submit the 2016 irrigation questionnaire.**

**If the 2016 irrigation questionnaire is received prior to April 1, 2017, the suspension will not take effect.**

Suspension of a water permit or right means water may not be pumped during the 2017 irrigation season. Consistent with the Board's order, you are not permitted to irrigate in 2017 unless the 2016 irrigation questionnaire is submitted by April 1<sup>st</sup>.

After April 1<sup>st</sup>, you may petition the Water Management Board to rescind the suspension. You will need to submit the 2016 irrigation questionnaire and a letter to our office requesting time on the agenda for the next Water Management Board meeting scheduled for May 10-11, 2017, in Pierre, SD. The letter should include your reasons for not completing the 2016 irrigation questionnaire. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

Water Rights Staff will conduct compliance checks of suspended water rights this summer to determine if irrigation is taking place.

Please contact Genny McMath (605) 773-3352, if you have any questions.

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DATE &amp; TIME

STATUS OF ITEM

LOCATION

March 3, 2017 , 11:47 am

Delivered, Left with  
Individual

CLARK, SD 57225

Your item was delivered to an individual at the address at 11:47 am on March 3, 2017 in CLARK, SD 57225.

March 3, 2017 , 1:39 am

Departed USPS Facility

HURON, SD 57399

March 2, 2017 , 9:57 pm

Arrived at USPS Facility

HURON, SD 57399

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Tracking (or receipt) number

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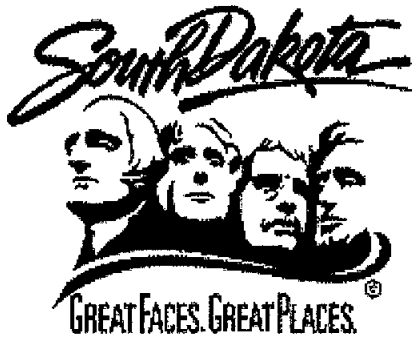
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| Return Receipt Fee<br>(Endorsement Required)                                                 |                  |
| Restricted Delivery Fee<br>(Endorsement Required)                                            |                  |
| <b>CHRISTIAN ROEBKE</b><br><b>506 S SMITH ST</b><br><b>CLARK SD 57225</b>                    |                  |
| PS Form 3800, August 2006                                                                    |                  |
| See Reverse for Instructions                                                                 |                  |





DEPARTMENT of ENVIRONMENT  
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[www.denr.sd.gov](http://www.denr.sd.gov)

March 9, 2017

7709-3

Christian Roebke  
506 S Smith St  
Clark SD 57225

Dear Mr. Roebke:

On March 1<sup>st</sup> the Water Management Board ordered Water Permit No. 7709-3 suspended if the 2016 irrigation questionnaire was not received prior to April 1, 2017. The questionnaire information for your water right has been received.

Since the irrigation questionnaire is on file, no violation has occurred and no suspension will take place. You may irrigate during the 2017 irrigation season.

If you have any questions, please contact Genny McMath at (605) 773-3352.

Sincerely,

Jeanne Goodman, Chief Engineer  
Water Rights Program



7709-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 26, 2018

NOTICE

TO: CHRISTIAN ROEBKE, 506 S SMITH ST, CLARK, SD 57225

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

SUBJECT: Reporting Requirement for 2017 Irrigation Questionnaire(s)

Our records indicate your 2017 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7709-3. The request for the Questionnaire was dated October 20, 2017. The Water Management Board has directed that owners of water permits who have not submitted the 2017 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7709-3 qualification:

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

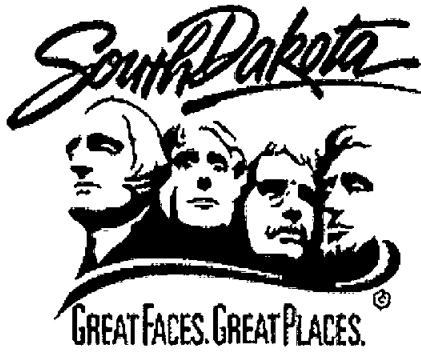
The hearing will be held at **Wednesday, March 7, 2018 at 10:00 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant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

1. Suspend or cancel Permit No(s) 7709-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

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

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



DEPARTMENT of ENVIRONMENT  
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523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.denr.sd.gov](http://www.denr.sd.gov)

February 1, 2018

7709-3

Christian Roebke  
506 S Smith St  
Clark SD 57225

Dear Mr. Roebke:

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

You may disregard the January 26, 2018, "Notice" concerning reporting requirements for Water Permit No. 7709-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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

RECEIVED

APR 16 2018

WATER RIGHTS  
PROGRAM

SD EForm - 0495LD V2

NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Mail to: PMB 2020  
DENR - Water Rights Program  
523 E Capitol Ave  
Pierre, SD 57501-3182

Water Right/Permit No. 7709-3

Date: 4/10/18

I/We request that Water Right/Permit No. 7709-3 formerly owned by:

Christian Roebke

be transferred to:

New Owner Name: Gary Doppenberg

Address: 1003 Country Club Box 126

City, State, Zip Sheldon IA 51201 Telephone No. 712-348-1234

Title to the following described land(s)/property has been transferred as described above:

NW 1/4 Sec 2 and SW 1/4 Sec 2 T115 R59  
Clark County South Dakota

☒ I understand that the validity of Water Right/Permit No. 7709-3 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below.)

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.

I, Gary Doppenberg, the new owner, certify that the above information is true and correct.

  
(signed by new owner)

**NOTE:** Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date April 16, 20 18

RECEIVED OF Gary or Donna Doppenberg 1003 Country Club Rd Po Box 126 Sheldon, IA 51201

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

|                                                                                                                |       |       |
|----------------------------------------------------------------------------------------------------------------|-------|-------|
| Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use | 50    | 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. _____            |       |       |
| Fee for Filing Transfer Form <u>7709-3</u>                                                                     |       |       |
| 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 | 50 00 |

No. **08654**

By

Jeanne Goodman  
Chief Engineer  
7711



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.denr.sd.gov](http://www.denr.sd.gov)

April 16, 2018

7709-3

Gary Doppenberg  
PO Box 126  
Sheldon IA 51201

Dear Mr. Doppenberg:

I am writing to acknowledge receipt of the transfer form and filing fee you submitted for changing ownership on Water Permit No. 7709-3. The ownership change has been completed. Water Permit No. 7709-3, formerly held by Christian Roebke is now listed in your name.

I have included a copy of the water permit for your records. Please note that the date specified on the permit for completion of the project is **June 3, 2018**.

Irrigators in South Dakota are required to report water use on an annual basis. I am enclosing a sample copy of the annual form to give you an idea of what type of information to keep track of during the season. The information can be reported in a variety of ways (phone, email, regular mail, fax). The forms are mailed to irrigators in October every year and are due back by December 1<sup>st</sup>.

Enclosed for your records is Receipt No. 08654 in the amount of \$50 which you paid for filing the ownership change. If you have any questions concerning the water permit or the irrigation questionnaire reporting requirements, please get in touch with me. You may also visit our website which contains links to databases, forms to be used and legal requirements. The website can be found at: <http://denr.sd.gov/des/wr/wr.aspx>

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](mailto:genny.mcmath@state.sd.us)

enclosures

7709-3  
 RECEIVED  
 JUN 08 2018  
 WATER RIGHTS  
 PROGRAM

# **NOTICE OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE**

MAIL TO: PMB 2020  
 DENR - Water Rights Program  
 523 E Capitol Ave  
 Pierre, SD 57501-3182  
 ph. (605) 773-3352

Date 06/01/2018

FROM: Gary Doppenberg  
 (name)

1003 Country Club Box 126  
 (address)

Sheldon ☒ IA ☒ 51201 712-348-1234  
 (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. 7709-3 states that the water use system is to be constructed by  
06/03/2018, and water is to be put to beneficial use by 06/03/2022  
 (date) (date)

The water use system was completed on 06/01/2018  
 (date)

Applying the water to beneficial use was completed on 06/01/2018  
 (date)

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





**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

June 8, 2018

7709-3

Gary Doppenberg  
PO Box 126  
Sheldon IA 51201-0126

Dear Mr. Doppenberg:

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)

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

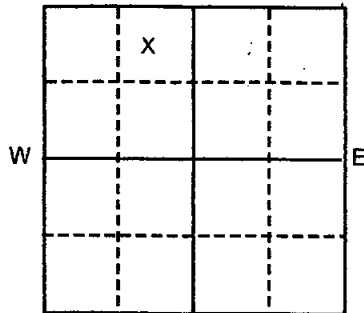
11-02

Location NW ¼ NW ¼ Sec 2 Twp 115N Rg 59W

County CLARK



North

Please mark well  
location with an "X"

Well Completion Date

2018

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:

DIRECT ROTARY

## CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

| PIPEWEIGHT  | DIAMETER | FROM  | TO     | HOLE DIAMETER |
|-------------|----------|-------|--------|---------------|
| sch40 LB/FT | 10 IN    | +2 FT | 130 FT | 16 IN         |
| LB/FT       | IN       | FT    | FT     | IN            |
| LB/FT       | IN       | FT    | FT     | IN            |

## GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To     |
|------------|--------------|--------------|------|--------|
| grtweldf   | 49           | 54 Lb/gal    | 0 Ft | 128 Ft |
|            |              | Lb/gal       | Ft   | Ft     |

Describe grouting procedure

## SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 10 Inches Length 20 Feet

Material STAINLESS STEEL

Slot Size 60 Set From 130 Feet to 150 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? hth granular

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

Well Owner: GARY DOPPENBERG

Business Name: DOPPENBERG Farms

Address: 1003 COUNTRY CLUB RD

City, State, Zip: SHELDON IA 51201

## WELL LOG:

| FORMATION      | DEPTH |     |
|----------------|-------|-----|
|                | FROM  | TO  |
| TOP SOIL       | 0     | 1   |
| YELLOW CLAY    | 1     | 15  |
| BLUE CLAY      | 15    | 30  |
| GREY FINE-MED  | 30    | 35  |
| BLUE CLAY SOFT | 35    | 37  |
| FINE-MED       | 37    | 45  |
| BLUE CLAY      | 45    | 48  |
| GREY MED MIXED | 48    | 60  |
| BLUE CLAY      | 60    | 130 |

STATIC WATER LEVEL 50 FEET

If flowing: closed in pressure PSI

GPM flow through Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in?

## WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

Ft. After Hrs. pumped GPM

Ft. After Hrs. pumped 500 GPM

If pump installed, pump rate: Goulds 7CLC-45tgw 40 HP

## REMARKS

MED-FINE 130-140  
COURSE-MED 140-150

This well was drilled under license # 689 and this report is true and accurate.

Drilling firm: KAISER WELL DRILLING INC

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

RECEIVED

FEB 04 2019

Date:

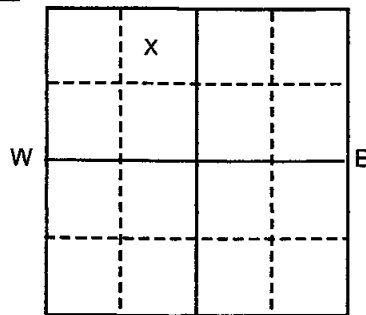
WATER RIGHTS  
PROGRAM

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ NW ¼ Sec 2 Twp 115N Rg 59WCounty CLARK

North

Please mark well  
location with an "X"

Well Completion Date

2018

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:

DIRECT ROTARY

## CASING DATA:

☐ Steel ☒ Plastic ☐ Other

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

| PIPEWEIGHT  | DIAMETER | FROM  | TO     | HOLE DIAMETER |
|-------------|----------|-------|--------|---------------|
| sch40 LB/FT | 3 IN     | +2 FT | 133 FT | 6.75 IN       |
| LB/FT       | IN       | FT    | FT     | IN            |
| LB/FT       | IN       | FT    | FT     | IN            |

## GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To     |
|------------|--------------|--------------|------|--------|
| grtweldf   | 5            | 54 Lb/gal    | 0 Ft | 130 Ft |
|            |              | Lb/gal       | Ft   | Ft     |

Describe grouting procedure \_\_\_\_\_

## SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 3 Inches Length 20 FeetMaterial pvcSlot Size 60 Set From 130 Feet to 150 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? hth granular
☐ No, Why Not? \_\_\_\_\_  
 Lab to which water quality sample sent for analysis \_\_\_\_\_
Well Owner: GARY DOPPENBERGBusiness Name: DOPPENBERG FarmsAddress: 1003 COUNTRY CLUB RDCity, State, Zip: SHELDON ☒ IA ☒ 51201

## WELL LOG:

| FORMATION      | DEPTH |     |
|----------------|-------|-----|
|                | FROM  | TO  |
| TOP SOIL       | 0     | 1   |
| YELLOW CLAY    | 1     | 15  |
| BLUE CLAY      | 15    | 30  |
| GREY FINE-MED  | 30    | 35  |
| BLUE CLAY SOFT | 35    | 37  |
| FINE-MED       | 37    | 45  |
| BLUE CLAY      | 45    | 48  |
| GREY MED MIXED | 48    | 60  |
| BLUE CLAY      | 60    | 130 |

## STATIC WATER LEVEL

50

FEET

If flowing: closed in pressure \_\_\_\_\_ PSI

GPM flow \_\_\_\_\_ through \_\_\_\_\_ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other \_\_\_\_\_

Reduced flow rate \_\_\_\_\_ GPM

Can well be completely shut in? \_\_\_\_\_

## WELL TEST DATA:

☐ Pumped Describe: \_\_\_\_\_☐ Bailed☐ Other \_\_\_\_\_

Pumping Level Below Land Surface

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

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

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

## REMARKS

 MED-FINE 130-140  
 COURSE-MED 140-150
This well was drilled under license # 689 and this report is true and accurate.Drilling firm: KAISER WELL DRILLING INC

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

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

RECEIVED

FEB 04 2019

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

WATER RIGHTS  
PROGRAM

# SOUTH DAKOTA WATER WELL COMPLETION REPORT

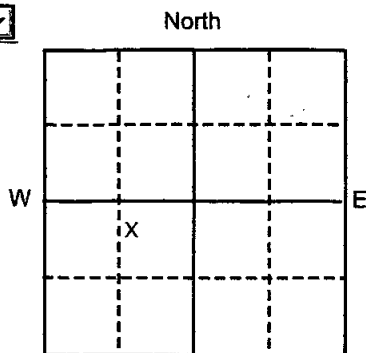
SD EForm - 1621LD V1

11-02

Location SE 1/4 SE 1/4 Sec 2 Twp 115N Rg 59W

County CLARK

Please mark well location with an "X"



Well Completion Date

2018

← 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:

DIRECT ROTARY

## CASING DATA:

☐ Steel ☒ Plastic ☐ Other

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

| PIPEWEIGHT         | DIAMETER     | FROM         | TO            | HOLE DIAMETER |
|--------------------|--------------|--------------|---------------|---------------|
| <u>sch40</u> LB/FT | <u>10</u> IN | <u>+2</u> FT | <u>133</u> FT | <u>16</u> IN  |
| _____ LB/FT        | _____ IN     | _____ FT     | _____ FT      | _____ IN      |
| _____ LB/FT        | _____ IN     | _____ FT     | _____ FT      | _____ IN      |

## GROUTING DATA:

| Grout Type      | No. of Sacks | Grout Weight     | From        | To            |
|-----------------|--------------|------------------|-------------|---------------|
| <u>GRTWELDF</u> | <u>49</u>    | <u>54</u> Lb/gal | <u>0</u> Ft | <u>130</u> Ft |
|                 |              | Lb/gal           | Ft          | Ft            |

Describe grouting procedure

PRESSURE PULL METHOD

## SCREEN:

☐ Perforated pipe ☒ Manufactured  
Diameter 10 Inches Length 20 Feet  
Material STAINLESS STEEL  
Slot Size 60 Set From 131 Feet to 151 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? HTH GRANULAR

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

Well Owner: GARY DOPPENBERG

Business Name: DOPPENBERG FARMS

Address: 1003 COUNTY CLUB RD

City, State, Zip: SHELDON ☒ IA ☒ 51201

## WELL LOG:

| FORMATION      | DEPTH |     |
|----------------|-------|-----|
|                | FROM  | TO  |
| TOP SOIL       | 0     | 1   |
| YELLOW CLAY    | 1     | 15  |
| BLUE CLAY      | 15    | 30  |
| GREY MED -FINE | 30    | 35  |
| BLUE CLAY SOFT | 35    | 37  |
| FINE-MED       | 37    | 45  |
| BLUE CLAY      | 45    | 48  |
| GREY MED MIX   | 48    | 60  |
| BLUE CLAY      | 60    | 133 |

STATIC WATER LEVEL 50 FEET

If flowing: closed in pressure \_\_\_\_\_ PSI

GPM flow \_\_\_\_\_ through \_\_\_\_\_ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other \_\_\_\_\_

Reduced flow rate \_\_\_\_\_ GPM

Can well be completely shut in?

## WELL TEST DATA:

☐ Pumped Describe: \_\_\_\_\_

☐ Bailed

☐ Other \_\_\_\_\_

Pumping Level Below Land Surface

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

\_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped 1000 GPM

If pump installed, pump rate: should be 450 GPM / 400 HP

## REMARKS

GRAVEL COURSE-MED 133-145  
BLUE CLAY 146-146  
FINE GREY SAND 146-151

This well was drilled under license # 689 and this report is true and accurate.

Drilling firm: KAISER WELL DRILLING INC

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

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

RECEIVED

FEB 04 2019

WATER RIGHTS PROGRAM

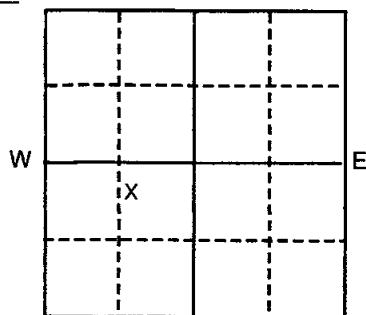
Date: \_\_\_\_\_

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE 1/4 SE 1/4 Sec 2 Twp 115N Rg 59WCounty CLARK ☒

North

Please mark well  
location with an "X"

Well Completion Date

2018

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:

DIRECT ROTARY

## CASING DATA:

☐ Steel ☒ Plastic ☐ Other

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

| PIPEWEIGHT         | DIAMETER    | FROM         | TO            | HOLE DIAMETER  |
|--------------------|-------------|--------------|---------------|----------------|
| <u>sch40</u> LB/FT | <u>3</u> IN | <u>+2</u> FT | <u>133</u> FT | <u>6.75</u> IN |
| _____ LB/FT        | _____ IN    | _____ FT     | _____ FT      | _____ IN       |
| _____ LB/FT        | _____ IN    | _____ FT     | _____ FT      | _____ IN       |

## GROUTING DATA:

| Grout Type      | No. of Sacks | Grout Weight     | From        | To            |
|-----------------|--------------|------------------|-------------|---------------|
| <u>GRTWELDF</u> | <u>5</u>     | <u>54</u> Lb/gal | <u>0</u> Ft | <u>130</u> Ft |
| _____           | _____        | _____ Lb/gal     | _____ Ft    | _____ Ft      |

Describe grouting procedure

PRESSURE PULL METHOD

## SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 3 InchesLength 20 FeetMaterial PVCSlot Size 60 Set From 131 Feet to 151 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? HTH GRANULARLab to which water ☐ No, Why Not? \_\_\_\_\_

quality sample sent for analysis \_\_\_\_\_

Well Owner: GARY DOPPENBERGBusiness Name: DOPPENBERG FARMSAddress: 1003 COUNTY CLUB RDCity, State, Zip: SHELDON ☒ IA ☒ 51201

## WELL LOG:

| FORMATION       | DEPTH |     |
|-----------------|-------|-----|
|                 | FROM  | TO  |
| TOP SOIL        | 0     | 1   |
| YELLOW CLAY     | 1     | 15  |
| BLUE CLAY       | 15    | 30  |
| GREY MED - FINE | 30    | 35  |
| BLUE CLAY SOFT  | 35    | 37  |
| FINE-MED        | 37    | 45  |
| BLUE CLAY       | 45    | 48  |
| GREY MED MIX    | 48    | 60  |
| BLUE CLAY       | 60    | 133 |

STATIC WATER LEVEL 50 FEET

If flowing: closed in pressure \_\_\_\_\_ PSI

GPM flow \_\_\_\_\_ through \_\_\_\_\_ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other \_\_\_\_\_

Reduced flow rate \_\_\_\_\_ GPM

Can well be completely shut in?

## WELL TEST DATA:

☐ Pumped Describe: \_\_\_\_\_☐ Bailed☐ Other \_\_\_\_\_

Pumping Level Below Land Surface

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

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

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

## REMARKS

GRAVEL COURSE-MED 133-145

BLUE CLAY 146-146

FINE GREY SAND 146-151

This well was drilled under license # 689 and this report is true and accurate.Drilling firm: KAISER WELL DRILLING INC

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

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

RECEIVED

FEB 04 2019

WATER RIGHTS  
PROGRAM

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



7709-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 25, 2019

NOTICE

TO: GARY DOPPENBERG, PO BOX 126, SHELDON, IA 51201 0126

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

SUBJECT: Reporting Requirement for 2018 Irrigation Questionnaire(s)

Our records indicate your 2018 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7709-3. The request for the Questionnaire was dated October 30, 2018. The Water Management Board has directed that owners of water permits who have not submitted the 2018 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7709-3 qualification:

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

The hearing will be held at **Wednesday, March 6, 2019 at 10:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7709-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is (are) received in this office before the **March 6, 2019** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

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

7709-3



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.denr.sd.gov](http://www.denr.sd.gov)

January 29, 2019

7709-3

Gary Doppenberg  
PO Box 126  
Sheldon IA 51201-0126

Dear Mr. Doppenberg:

I am writing to acknowledge receipt of the information for your 2018 irrigation questionnaire.

You may disregard the January 25, 2019, "Notice" concerning reporting requirements for Water Permit No. 7709-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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

7709-3

**RECEIPT****WATER RIGHTS PROGRAM**  
South Dakota Department of Agriculture and Natural ResourcesDate October 31, 2022RECEIVED OF Fordham Hutterian Brethren Inc. 533 Fordham Dr., Carpenter SD 57322

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

|                                                                                                                |                |
|----------------------------------------------------------------------------------------------------------------|----------------|
| Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use | \$ _____       |
| 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. _____            | \$ _____       |
| Fee for Filing Transfer Form <u>7709-3</u>                                                                     | <u>\$50.00</u> |
| Fee for _____                                                                                                  | \$ _____       |
| Fee for Issuing New Well Driller's License No. _____                                                           | \$ _____       |
| Fee for Renewal of Well Driller's License No. _____                                                            | \$ _____       |
| Fee for Issuing Well Pump Installer's License No. _____                                                        | \$ _____       |
| Fee for Renewal of Well Pump Installer's License No. _____                                                     | \$ _____       |
| (Any Other Work Provided by Law) TOTAL                                                                         | <u>\$50.00</u> |

By Eric Gronlund  
Chief Engineer  
zm

PAID

OCT 31 2022

## NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Ck# \_\_\_\_\_

Rec't# \_\_\_\_\_

Mail to: SD DANR, Water Rights Program  
523 E Capitol Ave  
Pierre, SD 57501-3182

RECEIVED

OCT 31 2022

Water Right/Permit No. 7709-3Date: 10/28/2022OFFICE OF  
WATERI/We request that Water Right/Permit No. 7709-3 formerly owned by:Gary Dappenberg

be transferred to:

New Owner Name: Fordham Hutterian BrethrenAddress: 533 Fordham Dr mobile: 605 233 1112City, State, Zip Carpenter SD 57322 email: Jaredj@gmail.com

Title to the following described land(s)/property has been transferred as described above:

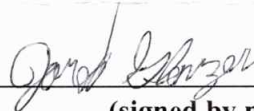
W112 Sec 2 T115N R59W Clark County SD

☒ I understand that the validity of Water Right/Permit No. 7709-3 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

**A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.**

I, Fordham Hutterian Brethren, the new owner, certify that the above information is true and correct.



(signed by new owner)

**NOTE:** Water permits may be cancelled for nonconstruction after the five-year construction period has expired. Once a water permit is developed, an inspection is conducted to issue a water right license for the project as developed. A water permit/right may be cancelled for one or more of the following reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three-year period without legal excuse.
3. For a third violation of a condition of a water permit/right.



7709-3

**DEPARTMENT of AGRICULTURE  
and NATURAL RESOURCES**

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

November 16, 2022

7709-3  
8365-3

Jared Glanzer  
Fordham Hutterian Brethren  
533 Fordham Dr  
Carpenter SD 57322

Dear Mr. Glanzer:

I am writing to acknowledge receipt of the transfer forms and filing fees submitted for changing ownership on Water Permit Nos. 7709-3 and 8365-3.

The ownership changes have been completed. Water Permit Nos. 7709-3 and 8365-3 formerly held by Gary Doppenberg are now listed under Fordham Hutterian Brethren.

Enclosed for your records are receipts for the filing fees that were paid. If I can answer any questions for you, please let me know.

Sincerely,

Genny McMath  
Water Rights Program  
605 773-3352  
Genny.mcmath@state.sd.us

enclosures



7709-3

**DEPARTMENT of AGRICULTURE  
and NATURAL RESOURCES**

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

July 6, 2023

Fordham Hutterian Brethren  
c/o Jared Glanzer  
533 Fordham Dr  
Carpenter SD 57322

7709-3

Dear Mr. Glanzer:

I am working on the licensing of your Water Permit No. 7709-3 for the W ½ of Section 2, T115N, R59W.

The Permit was originally approved for there to be four (4) wells drilled for irrigation. During a recent inspection done by staff Engineer Darrell DeBoer, he noted that you were irrigating from two (2) wells in the NE ¼ NW ¼ of Section 2 and that the other wells were never developed.

However, we have a report of a well being drilled in the NE ¼ SW ¼ as well, which would give you a total of three (3) wells. Due to these discrepancies, I am looking to you for guidance in how to license this irrigation system. Is there a third well? Where is it? And do you know the cfs output if there is?

I am enclosing a copy of the map so you can see where Darrell has noted the two (2) wells and making a notation of where our records indicate the third well to be.

I look forward to your response and appreciate your assistance.

Sincerely,

Amanda Dewell  
Water Rights Program  
605 773-3352  
Amanda.Dewell@state.sd.us

Jared,  
please feel free to  
~~write your response on this~~  
~~letter and return in the~~  
~~pre-paid envelope.~~

OR

You may call to  
discuss over the phone  
Amanda - 605-910-5456  
ERIC - 605-773-3352

SEC 34  
T116N R59WSEC 35  
T116N R59WSEC 36  
T116N R59W

REFERENCE CORNER

CONTROL SHED

WELL #1

WELL #2

NWNW  
28 acresNENW  
40 acres

## WELL LOCATIONS

From the NW corner

Sec 2 T115N R59W

WELL #1

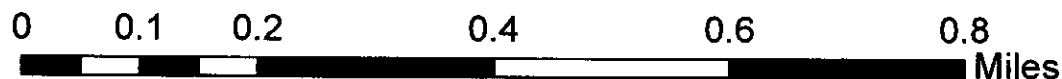
140 ft S &amp; 1840 ft E

Lat 44.80473 Long -97.88990

WELL #2

405 ft S &amp; 2050 ft E

Lat 44.80399 Long -97.88893

SWNW  
40 acresSE NW  
40 acresSEC 3  
T115N R59WCENTER SEC 2  
T115N R59WSEC 1  
T115N R59WNWSW  
40 acresESW  
40 acresSUBSURFACE DRIP SYSTEM  
TOTAL IRRIGATED AREA = 308 acresSWSW  
40 acresSESW  
40 acresSEC 10  
T115N R59WSEC 11  
T115N R59WSEC 12  
T115N R59W

7709-3

## Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7709-3

I have this day, June 12, 2023, made a thorough examination of the water use system constructed by Christian Roebke 506 s smith st Clark SD 57225 of Permit No. 7709-3, bearing the priority of February 22, 2013 authorizing the diversion of 4.0 cu. ft. per second of the waters of Altamont Aquifer for irrigation purposes, in Clark County.

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

#### Well Information:

- 1) Well Drilling Firm: Kaiser Well Drilling
- 2) No. of Wells 2 – close together
- 3) Depth(s) 150 feet
- 4) Well log is available Y

#### Casing:

- 1) Diameter 10 inches
- 2) Length 130 feet
- 3) Type Plastic

#### Screen:

- 1) Type Stainless steel
- 2) Length 20 feet
- 3) Static water level 50 feet

#### Motor:

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

#### Pump:

- 1) Make Submersible
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 900 – 2 pumps GPM

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

- 1) Type Buried PVC to Control Shed
- 2) Size 8 inches
- 3) Length 1160 feet

### C. Works used to apply water to beneficial use: Using a subsurface drip irrigation system

#### Chemigation Equipment:

- 1) Does chemigate Y

Comments: Uses a commercially available injection system

### 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: WELL LOCATIONS  
From the NW corner Sec 2 T115N R59W WELL #1: 140 ft S & 1840 ft E, Lat 44.80473 Long -  
97.88990 (NE 1/4 NW 1/4) WELL #2: 405 ft S & 2050 ft E, Lat 44.80399 Long -97.88893 (NE 1/4 NW  
1/4) .
2. The works are capable of diverting and conveying to the place of use 2.0 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:

#### legal description/acreage

Section 2, T115N, R59W  
NW 1/4 NW 1/4 - 28 acres  
NE 1/4 NW 1/4 - 40 acres  
SE 1/4 NW 1/4 - 40 acres  
SW 1/4 NW 1/4 - 40 acres

NW 1/4 SW 1/4 - 40 acres  
NE 1/4 SW 1/4 - 40 acres  
SE 1/4 SW 1/4 - 40 acres  
SW 1/4 SW 1/4 - 40 acres

comprising a total of 308 acres of land and the license should be issued for 2.0 cfs (Pumps control)

3. All structures, wells and lands on map Y

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

The irrigated acreage was estimated with the aid of FSA imagery and ArcMAPS software.

The pump rate reported in a recent Irrigation Questionnaire was used to establish the system flow capacity.

The mailing address and the telephone number in the permit materials are current for the new owners. The original applicant was Christian Roebke – it has since been transferred to Fordham Httm Brth

I talked to Jared Glanzer on the phone during the field inspection visit and his cell number is 605/233-1112.



Darrell W DeBoer  
Water Rights Inspector  
DANR, Water Rights Program

Date report completed: June 30, 2023

Jared was able  
to confirm w/  
Darrell that  
there were only  
the 2 wells



0 0.1 0.2 0.4 0.6 0.8 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

**JUL 14 2023**

Fordham Hutterian Brethren  
c/o Jared Glanzer  
533 Fordham Dr  
Carpenter SD 57322

7709-3

Dear Mr. Glanzer:

Enclosed is Water License No. 7709-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

*enclosures*

**STATE OF SOUTH DAKOTA**  
**WATER LICENSE NO. 7709-3**

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(1) Christian Roebke; 506 South Smith St, Clark SD 57225, made Application No. 7709-3, February 22, 2013, for a water permit to divert 4.0 cubic feet of water per second from groundwater, four wells (Altamont Aquifer), Clark County, South Dakota for irrigation purposes. Permit No. 7709-3, with a priority date of February 22, 2013, was approved June 3, 2013, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 3, 2018, and for the application to beneficial use of water on or before June 3, 2022.

Ownership of Water Permit No. 7709-3 was transferred to Fordham Hutterian Brethren; 533 Fordham Dr. Carpenter SD 57322, in October 2022.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 2.0 cubic feet of water per second for beneficial use. The locations of the diversion points are: *(only 2 wells were developed)*

- Well #1: 140ft S & 1,840 ft E of the NW corner of Section 2, T115N, R59W (NE ¼ NW ¼)  
(Latitude 44.80473 Longitude -97.88990)
- Well #2: 405 ft S & 2,050 ft E of the NW corner of Section 2, T115N, R59W (NE ¼ NW ¼)  
(Latitude 44.80399 Longitude -97.88893)

(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:

Section 2, T115N, R59W

|           |            |           |            |
|-----------|------------|-----------|------------|
| NW ¼ NW ¼ | 28.0 acres | NW ¼ SW ¼ | 40.0 acres |
| NE ¼ NW ¼ | 40.0 acres | NE ¼ SW ¼ | 40.0 acres |
| SE ¼ NW ¼ | 40.0 acres | SE ¼ SW ¼ | 40.0 acres |
| SW ¼ NW ¼ | 40.0 acres | SW ¼ SW ¼ | 40.0 acres |

TOTAL: 308.0 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Fordham Hutterian Brethren, the holders and/or owners of Water Right No. 7709-3 are issued a license to appropriate water, the right to use 2.0 cubic feet of water per second from groundwater, two wells (Altamont Aquifer), with a priority date of February 22, 2013, 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. 7709-3 and subject to the following qualifications:

1. The wells approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owners under this water right shall control their withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

*continued*

2. The wells authorized by Permit No. 7709-3 shall be constructed by a licensed well driller and construction of the wells and installation of the pumps 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.
3. 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

JUL 14 2023

date

