

**WATER PERMIT NO. 8049-3**

Name of Applicant: Spring Valley Colony

Address: 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382

Phone: 605 530-5186

Amount of Water Claimed: 4.47 cfs

Total Acres: 313

Source of Water Supply: groundwater (2 wells)

Water to be used for: irrigation

County: Jerauld

Type of Waste Disposal System:

Location: 15 miles southwest of Wessington Springs

PRIORITY

Date Received: 8-7-14

Application/License Fee: \$ 1350

Corrected Application Received: 9-9-14

Period of Annual Use: May 1 – September 30

Remarks: Will drill the second well located in the Section 4 if the first doesn't produce enough

Diversion Point: approximate centers of the NE  
1/4 Sec 8 and NW 1/4 Sec 4; all in T106N-R67W

Land to be Irrigated: NE 1/4 Sec 8 and NW 1/4  
Sec 4; all in T106N-R67W

Depth of Well: 171 feet deep

Well Driller: Stretch's Well Service Inc.

Remarks:

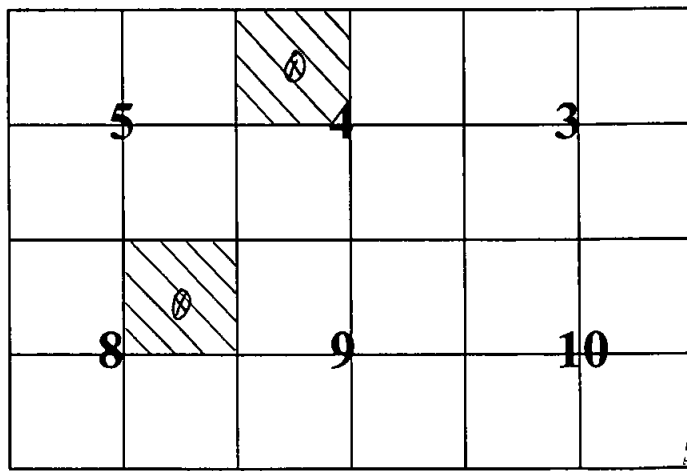
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 9-11-14

By: **Karen Schlaak**

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



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

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AUG - 7 2014

WATER RIGHTS  
PROGRAM

|                                                                                                                 |                                                   |                                                      |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------|
| 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>8049-3</u>                                 | (office use only)<br>Hydrologic Unit <u>10140105</u> |
|                                                                                                                 | Basin <u>Missouri River</u>                       |                                                      |
|                                                                                                                 | Newspaper <u>True Dakotan, Wessington Springs</u> |                                                      |
|                                                                                                                 | <u>Plainsman, Huron</u>                           |                                                      |

## Application For Permit To Appropriate Water For Irrigation

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

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

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

Mailing Address 23064 365th Ave Wessington Springs SD 57382  
(Address) (City) (State) (Zip Code)

Home Phone (605) 539-1344 Cell (605) 530-5186 Email joel@svrcolony.com or melvin@svrcolony.com

2. Amount of water claimed 4.47 \*CFS or 981 \*\*GPM 152.91 \*\*\*AF Total Acreage 313  
(\*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 water only have test hole so far.

4. Location of point of diversion About middle of NE 1/4 of Sec 8 T106N-R67W Map included  
if necessary additional well located (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)  
in middle of NW 1/4 Sec 4-T106N-R67W County Jerard

5. County or counties where water will be used Jerard

6. Annual period during which water is to be used July to September

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 |
|----------------------------------|------------|------------------|-------|
| <u>NE 1/4 Sec 8 - T106N-R67W</u> | <u>153</u> |                  |       |
| <u>NW 1/4 Sec 4 - T106N-R67W</u> | <u>160</u> |                  |       |
|                                  |            |                  |       |
|                                  |            |                  |       |

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

Have only test hole so far if we get permit would like to dig big well & irrigate full ~~200~~ Acres.

I, By Melvin Stahl, 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. 8049-3**

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Date of first receipt of application August 7, 2014.

Date of return to applicant for corrections, amendments or changes August 7, 2014.

Date of receipt of corrected application September 9, 2014.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8049-3 to Spring Valley Colony c/o Melvin Stahl, 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382 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. 8049-3 appropriates 4.47 cubic feet of water per second from two wells to be completed into the Crow Creek Aquifer (171 feet deep) located in the approximate centers of the NE 1/4 Section 8 and NW 1/4 Section 4 for irrigation of 313 acres located in the NE 1/4 Section 8 and NW 1/4 Section 4; all in T106N-R67W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is August 7, 2014.
4. The date of approval of Permit No. 8049-3 is December 1, 2014.
5. One-fifth of the construction is to be completed on or before June 1, 2017.
6. All construction is to be completed on or before December 1, 2019.
7. Water is to be put to beneficial use on or before December 1, 2023.
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. 8049-3 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.
4. Water Permit No. 8049-3 cancels 134 acres located in the NW ¼ Section 4-T106N-R67W from Water Right No. 3540-3.

**WATER MANAGEMENT BOARD**

By: *Jeanne Goodman*

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

**DEC 18 2014**

date



## Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)a) If new wells, how many \_\_\_\_ Have test holes been drilled ☐ Yes ☐ No Drilled by \_\_\_\_  
(if yes, please provide copies of logs)

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

c) Well Depth \_\_\_\_ Depth to Top of Water Bearing Material \_\_\_\_ Depth to Water from Surface \_\_\_\_

d) Distance to nearest existing domestic well: 1/4 mile from test Hole Stock wellOn applicant's property \_\_\_\_ On property owned by others Maynard Lindstedt

## 2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) \_\_\_\_

b) System Capacity (gallons) \_\_\_\_ Year Constructed \_\_\_\_

c) Connected to the City of \_\_\_\_ Sanitary System

## 3. Dugout Information

a) Surface Dimensions \_\_\_\_ Depth \_\_\_\_

b) Depth to water (ground surface to water level) \_\_\_\_

## 4. Water Storage Dams

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

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

b) Freeboard \_\_\_\_

c) Crest Width \_\_\_\_

Crest Length \_\_\_\_

d) Height \_\_\_\_

e) Primary Outlet Capacity \_\_\_\_

If pipe, diameter \_\_\_\_

f) Secondary Spillway Capacity \_\_\_\_

Spillway Width \_\_\_\_

g) X &amp; Y Slope (e.g. 3 to 1 is a typical slope)

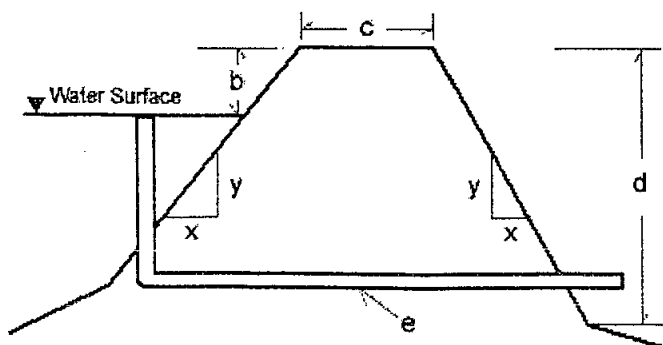
Upstream \_\_\_\_

Downstream \_\_\_\_

h) Surface Area of Impoundment \_\_\_\_

i) Storage \_\_\_\_ Acre Feet

j) Drainage Area Above Dam \_\_\_\_ Acres

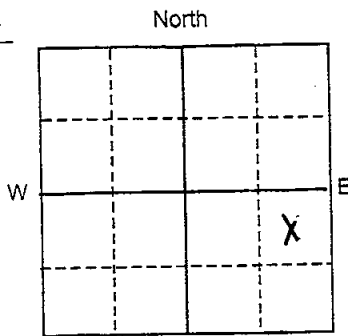


## SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location  $\frac{1}{4}$   $\frac{1}{4}$  Sec 8 Twp 106 Rg 67County Jergold Cty

Please mark well location with an "X"



Well Completion Date

7-24-14Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?  
NONE ft. from \_\_\_\_\_ (identify source)

## PROPOSED USE:

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

## METHOD OF DRILLING:

Mud Rotary

## CASING DATA:

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

| PIPEWEIGHT       | DIAMETER    | FROM        | TO            | HOLE DIAMETER   |
|------------------|-------------|-------------|---------------|-----------------|
| <u>240</u> LB/FT | <u>4</u> IN | <u>0</u> FT | <u>171</u> FT | <u>6 3/4</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>#20</u> | <u>5</u>     | Lb/gal       | <u>0</u> Ft | <u>145</u> Ft |
|            |              | Lb/gal       | _____ Ft    | _____ Ft      |

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

## SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 4 Inches Length 20 Feet

Material PVC

Slot Size 1025 Set From 151 Feet to 171 Feet

Other information \_\_\_\_\_

## WAS A PACKER OR SEAL USED?

☒ Yes ☐ NoIf so, what material? Enviro PlugDescribe packer(s) and location  
above Screen

## DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine☐ No, Why Not? \_\_\_\_\_

Lab to which water quality sample sent for analysis \_\_\_\_\_

Well Owner:

Spring Valley Hutterite Colony

Business Name:

Address: 23064 365th AveCity, State, Zip: Wessington Springs SD  
57382

## WELL LOG:

| FORMATION                   | DEPTH      |            |
|-----------------------------|------------|------------|
|                             | FROM       | TO         |
| <u>Top Soil</u>             | <u>0</u>   | <u>3</u>   |
| <u>Yellow Clay</u>          | <u>3</u>   | <u>17</u>  |
| <u>Blue Clay</u>            | <u>17</u>  | <u>150</u> |
| <u>Course Yellow Gravel</u> | <u>150</u> | <u>160</u> |
| <u>Course Gravel</u>        | <u>160</u> | <u>171</u> |
|                             |            |            |
|                             |            |            |
|                             |            |            |

## STATIC WATER LEVEL

93

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

95 Ft. After 4 Hrs. pumped 27 GPM

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

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

## REMARKS

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PROGRAMThis well was drilled under license # 722 and this report is true and accurate.Drilling firm: Stretch's Well Service Inc.

Signature of License Representative:

Tom Rathen

Signature of Well Owner or Equitable Property Holder:

Spring Valley Colony By: Melvin D. HDate: 8-26-14

| Job Name |         |       | Location | Date                                     | Rig No.                  | Foreman |
|----------|---------|-------|----------|------------------------------------------|--------------------------|---------|
| Jt. #    | Depth   | Time  | Remarks  |                                          |                          |         |
| 1        | 0-15    | 9:45  | GL-3     | top soil                                 | brown                    |         |
| 2        | 15-30   | 10:13 | 3-17     | yellow clay                              |                          |         |
| 3        | 30-45   | 10:50 | 17-20    | mixed clays                              | yellow and reddish brown |         |
| 4        | 45-60   | 11:19 | 20-23    | silty blue clay                          |                          |         |
| 5        | 60-75   | 11:53 | 23-43    | silty blue clay with pebbles             |                          |         |
| 6        | 75-90   | 12:27 | 43-45    | silty blue clay with limestone & pebbles |                          |         |
| 7        | 90-105  | 1:36  | 45-50    | silty blue clay with pebbles             |                          |         |
| 8        | 105-120 | 1:59  | 50-55    | blue clay with traces of sand            |                          |         |
| 9        | 120-135 | 2:31  | 60-65    | blue clay with coarser yellow pebbles    |                          |         |
| 10       | 135-150 | 3:00  | 65-75    | blue clay silty with pebbles             |                          |         |
| 11       | 150-165 | 3:24  | 75-84    | silty blue clay with pebbles             |                          |         |
| 12       | 165-180 | 3:55  | 84-86    | limestone with blue clay - sand streak   |                          |         |
| 13       | 180-195 | 4:30  | 86-150   | silty blue clay with pebbles             |                          |         |
| 14       | 195-210 | 4:49  | 150-155  | coarse yellow rock with clay             | took no water            |         |
|          |         |       | 155-160  | coarse yellow rock with clay             | took no water            |         |
|          |         |       | 160-165  | coarse yellow, red, mixed rock           | took little water        |         |
|          |         |       | 165-170  | coarse gravel with little clay           |                          |         |
|          |         |       | 170-175  | coarse gravel with little clay           |                          |         |
|          |         |       | 175-180  | finer gravel with clay                   |                          |         |
|          |         |       | 180-185  | coarse rock, mostly clay                 |                          |         |
|          |         |       | 185-195  | blue clay                                |                          |         |
|          |         |       | 195-210  | clay / shale                             |                          |         |
| 1        | 0-15    | K     |          |                                          |                          |         |
| 2        | 15-25   | DC    |          |                                          |                          |         |
| 3        | 25-40   | R     |          |                                          |                          |         |
| 4        | 40-55   | R     |          |                                          |                          |         |
| 5        | 55-70   | R     |          |                                          |                          |         |
| 6        | 70-85   | R     |          |                                          |                          |         |
| 7        | 85-100  | R     |          |                                          |                          |         |
| 8        | 100-115 | R     |          |                                          |                          |         |
| 9        | 115-130 | R     |          |                                          |                          |         |
| 10       | 130-145 | R     |          |                                          |                          |         |
| 11       | 145-160 | R     |          |                                          |                          |         |
| 12       | 160-171 | R     |          |                                          |                          |         |

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AUG 18 2014

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## Aerial Map

map center: 44° 0' 51.12, 98° 52' 38.17  
scale: 9346

Maps Provided By:



© AgriData, Inc. 2014 www.AgriDataInc.com

4-106N-67W  
Jerauld County  
South Dakota

8/11/2014

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

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# Aerial Map



map center: 43° 59' 59.44, 98° 53' 50.16  
scale: 9296

Maps Provided By:  
**surety**  
CUSTOMIZED ONLINE MAPPING  
© AgriData, Inc. 2014 www.AgriDataInc.com

**8-106N-67W**  
**Jerauld County**  
**South Dakota**



8/6/2014

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

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**WATER RIGHTS  
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# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 8/18, 20 14

RECEIVED OF Spring Valley HB 23064 365th Ave Wess. Springs SD 57382

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

|                                                                                                                        |       |         |
|------------------------------------------------------------------------------------------------------------------------|-------|---------|
| Fee for Application for Permit No. <u>8049-3</u> to Appropriate Water, to construct and to put water to beneficial use | 950   | 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>8049-3</u>            | 200   | 00      |
| Fee for Filing Transfer Form _____                                                                                     |       |         |
| Fee for _____                                                                                                          |       |         |
| Fee for Issuing New Well Driller's License No. _____ for C.Y. _____                                                    |       |         |
| Fee for Renewal of Well Driller's License No. _____ for C.Y. _____                                                     |       |         |
| Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____                                                 |       |         |
| Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____                                              |       |         |
| (Any Other Work Provided by Law)                                                                                       | TOTAL | 1150 00 |

No. **06925**

By

Jane Goodman  
Chief Engineer

# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 9/10, 2014

RECEIVED OF Spring Valley Hutterian Brethren 23064 365th Ave WessS Springs SD

57382

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

|                                                                                                                        |       |        |
|------------------------------------------------------------------------------------------------------------------------|-------|--------|
| Fee for Application for Permit No. <u>8049-3</u> to Appropriate Water, to construct and to put water to beneficial use | 200   | 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 _____                                                                                     |       |        |
| 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 | 200 00 |

No. **06943**

By J. James Handman Jr.  
Chief Engineer



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PROGRAM

This is second field we talked about if first well can supply two pivots want to use this field in sec. 4 also. But also got map included and mark if not enough water to make another well. We want to have statutory limit on both well.

Melvin Stahl thanks

Spring Valley  
Colony (West of Spring)Southwest of  
Spring Valley Colony  
Location

7/24/2014

Date

Rig No.

Pete Nelson  
Foreman

| Jt. # | Depth   | Time  | Remarks                                                  |
|-------|---------|-------|----------------------------------------------------------|
| 1     | 0-15    | 9:45  | GL-3 top soil brown                                      |
| 2     | 15-30   | 10:13 | 3-17 yellow clay                                         |
| 3     | 30-45   | 10:50 | 17-20 mixed clays yellow and redish brown                |
| 4     | 45-60   | 11:19 | 20-23 silty blue clay                                    |
| 5     | 60-75   | 11:53 | 23-43 silty blue clay with pebbles                       |
| 6     | 75-90   |       | 43-45 silty blue clay with limestone & pebbles           |
| 7     | 90-105  | 12:36 | 45-50 silty blue clay with pebbles                       |
| 8     | 105-120 | 1:59  | 50-60 blue clay with traces of sand                      |
| 9     | 120-135 | 2:31  | 60-65 blue clay with coarser yellow pebbles              |
| 10    | 135-150 | 3:00  | 65-75 blue clay silty with pebbles                       |
| 11    | 150-165 | 3:24  | 75-84 silty blue clay with pebbles                       |
| 12    | 165-180 | 3:55  | 84-86 limestone with blue clay - sand streak             |
| 13    | 180-195 | 4:30  | 86-150 silty blue clay with pebbles                      |
| 14    | 195-210 | 4:49  | 150-155 coarse yellow rock with clay took no water       |
|       |         |       | 155-160 coarse yellow rock with clay took no water       |
|       |         |       | 160-165 coarse yellow, red, mixed rock took little water |
|       |         |       | 165-170 coarse gravel with little clay                   |
|       |         |       | 170-175 coarse gravel with little clay                   |
|       |         |       | 175-180 dirtier gravel with clay                         |
|       |         |       | 180-185 coarse rock, mostly clay                         |
|       |         |       | 185-195 blue clay                                        |
|       |         |       | 195-210 clay / shale                                     |

|    |         |    |                           |
|----|---------|----|---------------------------|
| 1  | 0-15    | K  |                           |
| 2  | 15-25   | DC |                           |
| 3  | 25-40   | R  | 153' 4" PVC Well Casing   |
| 4  | 40-55   | R  | 20' 4" 25 slot PVC Screen |
| 5  | 55-70   | R  | 1 4" Well Cap             |
| 6  | 70-85   | R  | Well is open bottom       |
| 7  | 85-100  | R  | 1 Bag Enviro Plug         |
| 8  | 100-115 | R  | Pea Rock for well pack    |
| 9  | 115-130 | R  |                           |
| 10 | 130-145 | R  |                           |
| 11 | 145-160 | R  |                           |
| 12 | 160-171 | R  |                           |

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WATER RIGHTS  
PROGRAM

Spring Valley  
Colony

7-28-2014

STRETCH'S WELL SERVICE  
PUMPING REPORT

|    | A                                            | B               | C             | D         | E             |
|----|----------------------------------------------|-----------------|---------------|-----------|---------------|
| 1  | WD 171 <b>Stretch's Pumping Log</b> WL 93.30 |                 |               |           |               |
| 2  | Time                                         | Gal. per Minute | Pumping Level | Draw Down | Gal. per Foot |
| 3  | 11.55                                        | 10              | 93.90         | .60       | 16.66         |
| 4  | 12.00                                        | 10              | 93.90         | .60       | 16.66         |
| 5  | 12.10                                        | 10              | 94            | .70       | 14.28         |
| 6  | 12.20                                        | 10              | 94            | .70       | 14.28         |
| 7  | 12.30                                        | 10              | 94            | .70       | 14.28         |
| 8  | 12.35                                        | 20              | 94.90         | 1.60      | 12.50         |
| 9  | 12.40                                        | 20              | 94.90         | 1.60      | 12.50         |
| 10 | 12.45                                        | 20              | 94.90         | 1.60      | 12.50         |
| 11 | 12.50                                        | 20              | 94.90         | 1.60      | 12.50         |
| 12 | 1.00                                         | 20              | 94.90         | 1.60      | 12.50         |
| 13 | 1.05                                         | 20              | 94.90         | 1.60      | 12.50         |
| 14 | 1.10                                         | 27.27           | 95.55         | 2.25      | 12.12         |
| 15 | 1.15                                         | 27.27           | 95.55         | 2.25      | 12.12         |
| 16 | 1.25                                         | 27.27           | 95.55         | 2.25      | 12.12         |
| 17 | 1.35                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 18 | 1.45                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 19 | 1.55                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 20 | 2.05                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 21 | 2.15                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 22 | 2.30                                         | 27.27           | 95.60         | 2.30      | 11.85         |
| 23 | 2.45                                         | 27.27           | 95.70         | 2.40      | 11.36         |
| 24 | 3.00                                         | 27.27           | 95.70         | 2.40      | 11.36         |

SPRING UNIT  
COLUMBIA

STRETCH'S WELL SERVICE  
PUMPING REPORT

|    | A                                     | B               | C             | D         | E             |
|----|---------------------------------------|-----------------|---------------|-----------|---------------|
| 1  | WD 171 Stretch's Pumping Log 93.30 WL |                 |               |           |               |
| 2  | Time                                  | Gal. per Minute | Pumping Level | Draw Down | Gal. per Foot |
| 3  | 3.15                                  | 27.27           | 95.75         | 2.45      | 11.13         |
| 4  | 3.30                                  | 27.27           | 95.75         | 2.45      | 11.13         |
| 5  | 3.45                                  | 27.27           | 95.75         | 2.45      | 11.13         |
| 6  | 4.00                                  | 27.25           | 95.75         | 2.45      | 11.13         |
| 7  |                                       |                 |               |           |               |
| 8  |                                       |                 |               |           |               |
| 9  |                                       |                 |               |           |               |
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| 24 |                                       |                 |               |           |               |



DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES

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



August 7, 2014

Spring Valley Colony  
c/o Melvin Stahl  
23064 365<sup>th</sup> Ave  
Wessington Springs SD 57382

Dear Mr. Stahl:

Thank you for submitting the *Application for a Permit to Appropriate Water* for irrigation in Jerauld County. In order to complete the application, the following is required.

- Enclosed is the Form 2A, Supplemental Information. On Item No. 2, please complete the amount of water claimed. State Statutes limit diversions to 1 cubic foot of water per second (cfs) for each 70 acres irrigated. This would mean that you are allowed approximately 2.18 cfs or 981 gallons per minute to irrigate the total 152.91 acres. What amount of water do you want to request?
- The application/license filing fee will be \$1,050.00.

If you have any questions, please contact me.

Sincerely,

*Karen Schlaak*

Karen Schlaak  
Water Rights Program  
605 773-3352  
[karen.schlaak@state.sd.us](mailto:karen.schlaak@state.sd.us)

enclosures

## Schlaak, Karen

---

**From:** Melvin Stahl <melvin@svcolony.com>  
**Sent:** Monday, August 11, 2014 2:49 PM  
**To:** Schlaak, Karen  
**Subject:** RE: Pending Application for Water Permit

K will get it all in mail. Statutory limit will work on water. Dont have any test hole info on second field .Melvin Thanks

**From:** Schlaak, Karen [<mailto:Karen.Schlaak@state.sd.us>]  
**Sent:** Monday, August 11, 2014 9:45 AM  
**To:** [melvin@svcolony.com](mailto:melvin@svcolony.com)  
**Subject:** FW: Pending Application for Water Permit

I am sorry. The correct fee to irrigate a total of 320 acres is \$1,350.00.

---

**From:** Schlaak, Karen  
**Sent:** Monday, August 11, 2014 11:41 AM  
**To:** 'melvin@svcolony.com'  
**Subject:** Pending Application for Water Permit

Mr. Stahl,

Eric asked me to email you regarding your phone call this morning.

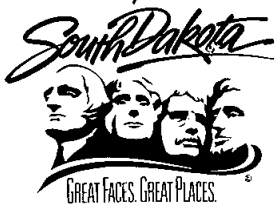
In order to add an additional quarter to your pending application, it will be necessary for you to submit another aerial photo map for the location in question. Please outline the acres to be irrigated and mark the proposed well location.

Eric said you did not talk about the amount of water to be claimed but we are assuming you will want to request the statutory limit for the second well also (even thou you may not need the additional well). Is this correct?

The filing fee for the first 160 acres will be \$1,050.00. To add 160 acres to the first application will increase the fee by \$100.00 or a total fee of \$1,150.00.

If you have questions, please call Eric Gronlund or me.

*Karen Schlaak*  
Water Rights Program  
523 E Capitol Ave  
Pierre SD 57501  
Phone: 605 773-3352



DEPARTMENT OF ENVIRONMENT  
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RECEIVED  
SEP 09 2014  
WATER RIGHTS  
PROGRAM

August 18, 2014

Spring Valley Colony  
c/o Melvin Stahl  
23064 365<sup>th</sup> Ave  
Wessington Springs SD 57382

Dear Mr. Stahl:

We have received the fee, additional information and map for your *Application for a Permit to Appropriate Water*.

It appears the acreage outlined for irrigation in Section 4 will include the entire NE 1/4 (160 acres) and portions of the NE 1/4 SE 1/4 (20 acres) and NW 1/4 SE 1/4 (20 acres) for a total of 200 acres. Do you agree?

My understanding is you propose to drill the first well and if that well produces enough you may irrigate the additional acreage in Section 4. If a second well is required we need the proposed location of that well. Please mark the proposed location of the second well on the enclosed map.

Also, the amount of water claimed may be increased with the additional acreage. For a total of 353 acres (153 acres - NE 1/4 Sec 8 and 200 acres - NE 1/4 and N 1/2 SE 1/4) the statutory limit would be 5.04 cubic feet of water per second or 2268 gallons per minute. What is the amount of water you would like to claim?

We have received your check for \$1150.00. The fee for irrigation of 353 acres is \$1350.00. Please submit an additional \$200.

If you have any questions, please contact Eric Gronlund or me.

Sincerely,

*Karen Schlaak ATT:*

Karen Schlaak  
Water Rights Program  
605 773-3352  
[karen.schlaak@state.sd.us](mailto:karen.schlaak@state.sd.us)

enclosure

**No. 8049-3**

Water Rights Program - DENR  
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permit Application No. 8049-3, Spring Valley Colony

ADDRESS: COUNTY: Jerauld County

DATE: September 10, 2014 TELEPHONE:

RE: Application

Spring Valley Colony initially applied for irrigation of the NE  $\frac{1}{4}$  Section 8, T106N, R67W with a well located in the approximate center of the NE  $\frac{1}{4}$  of this section.

Eric Gronlund and Karen Schlaak both communicated with Melvin Stahl regarding the application. In the course of this discussion, Mr. Stahl indicated a desire to also irrigate the NW  $\frac{1}{4}$  Section 4, T106N, R67W from this well if it produced in sufficient quantity. He was told that if that was his desire that he should apply the NW  $\frac{1}{4}$  of Section 4 also. However, this quarter section is already covered by Water Right No. 3540-3. Mr. Stahl indicated this quarter section had not been irrigated for numerous years. It was determined this quarter section is likely subject to abandonment/forfeiture.

Mr. Stahl amended the application to include the NW  $\frac{1}{4}$  of Section 4 and also included an second well in the event the well in the NE  $\frac{1}{4}$  of Section 8 does not produce enough water.

Viewing the acreage and wells locations as amended it appears that it may be better served to handle this as two separate applications. However, the intent of Spring Valley Colony is initially to drill just one well in the NE  $\frac{1}{4}$  Section 8 to serve both pivots. This is the reason for this being handled as one application.

Finally, the acres in the NW  $\frac{1}{4}$  of Section 4 authorized by Water Right No. 3540-3 appears to be abandoned/forfeited. If Application No. 8049-3 is approved, the NW  $\frac{1}{4}$  of Section 4 can be cancelled from Water Right No. 3540-3 and the licensed reissued accordingly.

NAME: Eric Gronlund



**DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES**

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

denr.sd.gov



**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT  
APPLICATION NO. 8049-3, Spring Valley Colony**

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. 8049-3, Spring Valley Colony, c/o Melvin Stahl, 23064 365<sup>th</sup> Avenue, Wessington Springs SD 57382.

The Chief Engineer is recommending APPROVAL of Application No. 8049-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 8049-3 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.
4. Water Permit No. 8049-3 cancels 134 acres located in the NW ¼ Section 4, T106N, R67W from Water Right No. 3540-3.

See report on application for additional information.

Jeanne Goodman, Chief Engineer  
November 12, 2014

NOTE: Upon approval of this application, Water Right No. 3540-3 will be reissued for 1.66 cubic feet of water per second to irrigate the 268 acres located in the SW ¼, W ½ SE ¼ Section 33 and NE ¼, N ½ SE ¼ Section 34; all in T107N, R67W.

**REPORT TO THE CHIEF ENGINEER  
WATER PERMIT APPLICATION NO. 8049-3  
SPRING VALLEY COLONY  
NOVEMBER 10, 2014**

Water Permit Application No. 8049-3 proposes to appropriate water at a maximum diversion rate of 4.47 cubic feet per second from two wells completed at depths of 171 feet below ground surface. The water will be used to irrigate 313 acres in the NE  $\frac{1}{4}$  of Section 8 (153 acres) and the NW  $\frac{1}{4}$  of Section 4 (160 acres), all in T106N-R67W in Jerauld County. The wells will be completed in the center of the NW  $\frac{1}{4}$  of Section 4 and the NE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 8, all in T106N-R67W.

**AQUIFER: Crow Creek (CC)**

**GEOLOGY AND AQUIFER CHARACTERISTICS:**

The Crow Creek aquifer in Jerauld County is composed of permeable, well-sorted, medium to very coarse sand and gravel and can be found under confined or unconfined conditions (Hamilton, 1985). The well logs submitted with this application show that the water bearing material is at approximately 150-171 feet below ground surface and is comprised of coarse gravel. The aquifer is under confined conditions at the proposed well locations. Given the depth and composition of the water bearing formation, it is reasonable to assume that at the proposed depth, the wells will be completed into the Crow Creek aquifer. The Crow Creek aquifer underlies 70 square miles of Jerauld County and contains an estimated 270,000 ac-ft of water in storage in Jerauld County (Hamilton, 1985) as well as extending into Buffalo and Brule Counties. Groundwater movement is generally from the east to the west toward the Missouri River.

**SDCL 46-2A-9:**

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

**WATER AVAILABILITY:**

*Recharge:*

Recharge to the Crow Creek aquifer is primarily from infiltration through the sandy alluvium, outwash, and till which overlies the aquifer. A small amount of recharge has also been attributed to lateral flow through the adjacent till. Recharge to the Crow Creek aquifer is estimated to average 9,100 acre feet per year (ac-ft/yr) or 2.4 inches per year (Hamilton, 1985).

### *Discharge:*

Discharge from the Crow Creek aquifer occurs naturally to the Missouri River on the western edge of the aquifer and through wells completed into the aquifer. There are currently 28 water rights and permits appropriating water from the Crow Creek aquifer (Water Rights, 2014b). Twenty-seven of these water rights/permits are for irrigation, with one water permit used for domestic purposes (Water Permit No. 6748-3). Non-irrigation water rights and permits are assumed to pump at the full diversion rate 60 percent of the time. With this assumption, it can be estimated that Water Permit No. 6748-3 uses approximately 74 ac-ft/yr. The number of water rights/permits appropriating water from the Crow Creek aquifer for each year and the historic irrigation use from the Crow Creek aquifer is listed below in Figures 1 and 2. The average rate of water withdrawn from the Crow Creek aquifer for irrigation over the period of 1979 to 2013 was reported to be 1,522.8 ac-ft/yr with a maximum of 4,004.1 ac-ft/yr in 2012. During this time the number of water permits and rights varied between 13 and 28 with an average of 18. Including Water Permit No. 6748-3 (the only non-irrigation water right/permit), the amount of water withdrawn annually from the Crow Creek aquifer is expected to average 1,596.8 ac-ft/yr. The maximum annual withdrawal, as occurred in 2012, is approximately 4,078.1 ac-ft/yr. Although there are numerous domestic wells also completed into the Crow Creek aquifer, their contribution to the overall water budget is considered to be negligible.

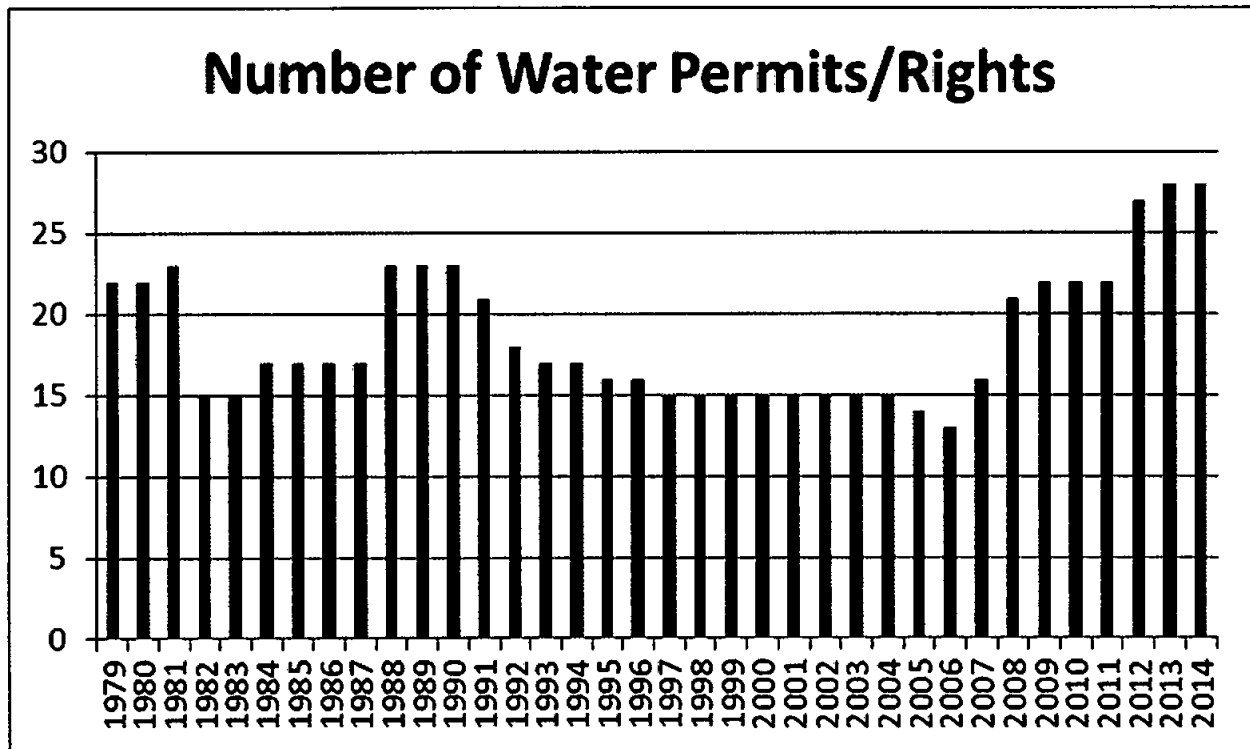


Figure 1: Number of water permits and rights appropriating water from the Crow Creek aquifer, by year. (Water Rights, 1980-2014)

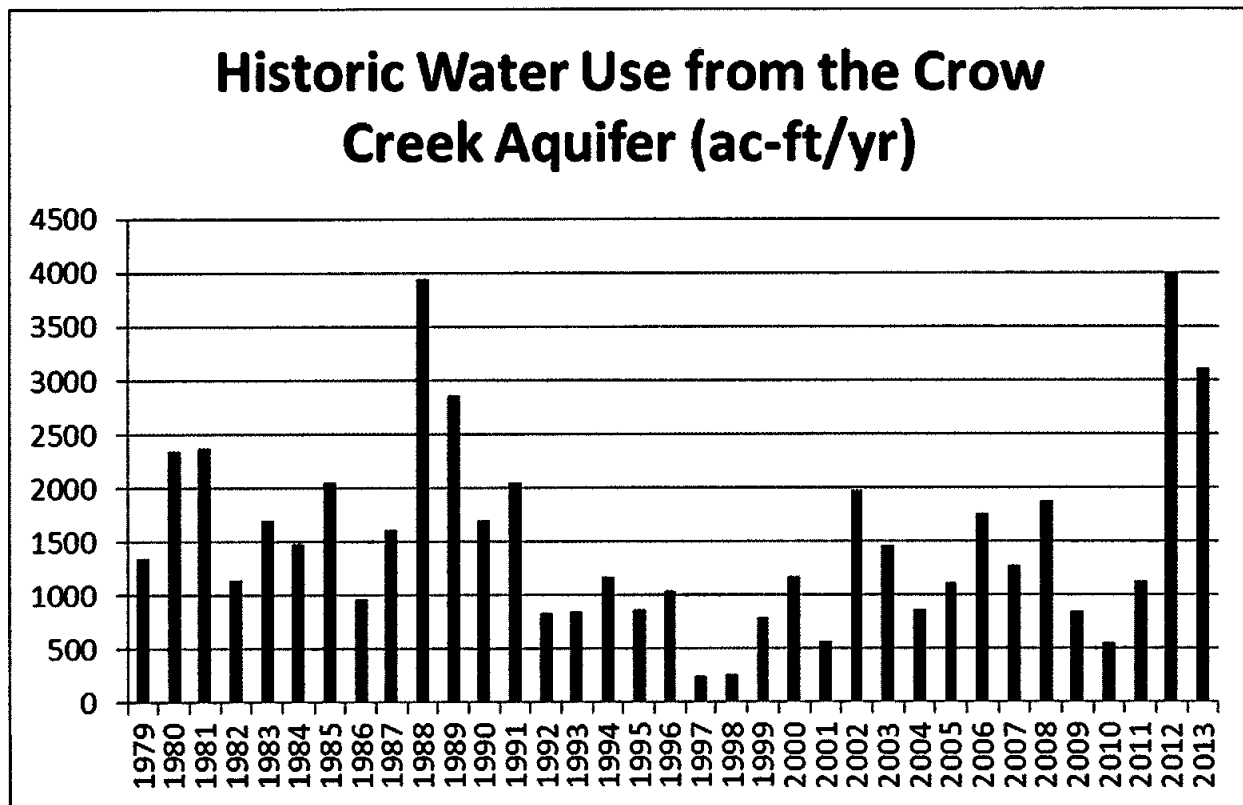


Figure 2: Historic water use from the Crow Creek aquifer, by year. (Water Rights, 1980-2014)

#### *Water Balance:*

Given the expected annual recharge rate of 9,100 ac-ft/yr, and a maximum diversion of 4,078.1 ac-ft/yr, it follows that at least 5,021.9 ac-ft/yr is available for use. Therefore, unappropriated water is available from the Crow Creek aquifer for the proposed application.

#### **OBSERVATION WELL DATA:**

Administrative Rule of South Dakota Section 74:02:05:07 requires “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 11 observation wells completed into the Crow Creek aquifer (Water Rights, 2014a). The closest of these wells to the proposed well sites is JE-78J, which is located approximately 1.75 and 0.85 miles to the northeast of the well sites in Sections 8 and 4, respectively. Historic water levels in Observation Well JE-78J are shown below in Figure 3.

Water levels in Observation Well JE-78J reflect climatic conditions and are consistent with other observation wells completed into the Crow Creek aquifer in showing an increasing trend line in water levels since monitoring began in the late 1970’s. Therefore, natural discharge is available for capture, and unappropriated water is available for use in the Crow Creek aquifer.

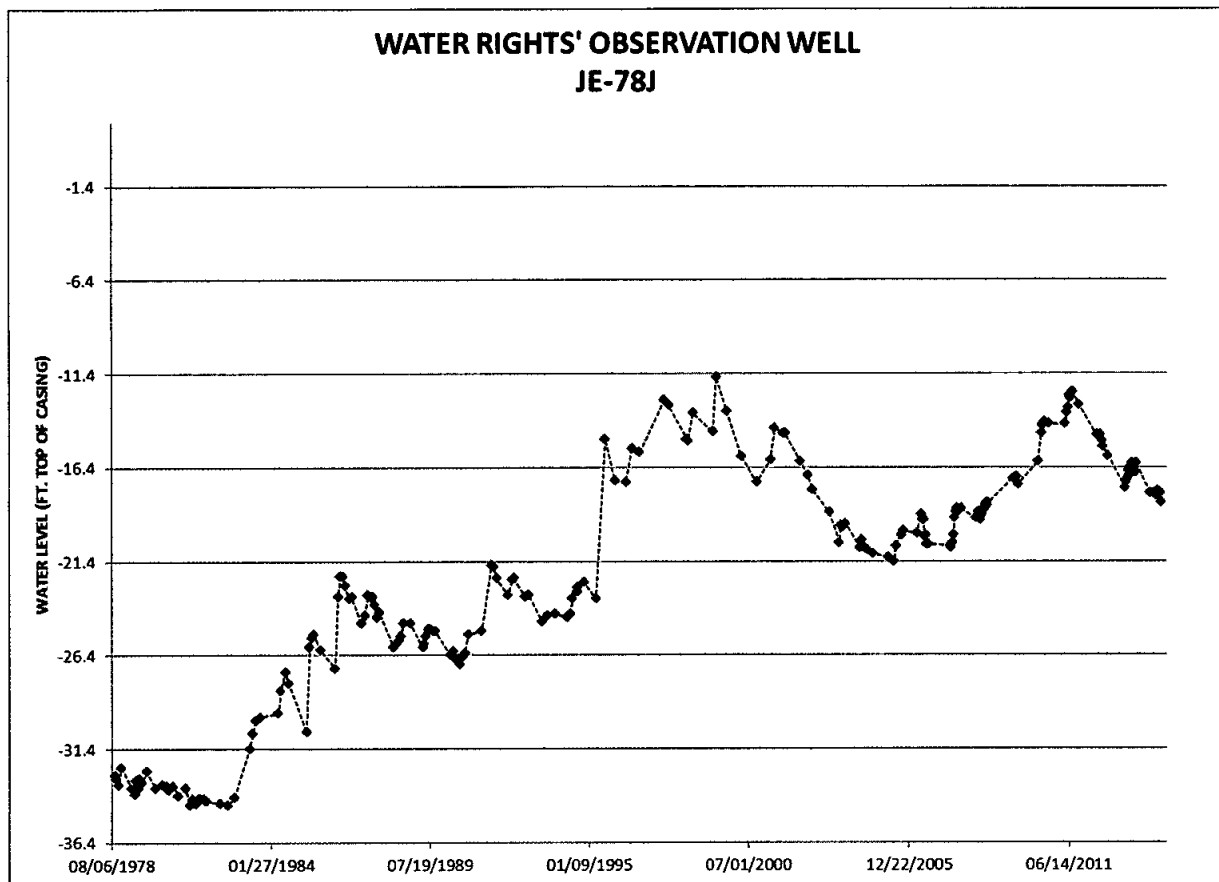


Figure 3: Historic water levels in Observation Well JE-78J (Water Rights, 2014a).

### EXISTING WATER RIGHTS:

The SD DENR Water Rights Database was reviewed for the nearest existing water rights/permits and domestic wells that could be potentially impacted by the pumping proposed in this application (Water Rights, 2014c). Prior to the submission of this application, Water Permit No. 8039-3 was received by the Water Rights Program. Water Permit No. 8039-3 is now approved and proposes to construct two wells in the SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 5, T106N-R67W. For the purposes of writing this report it is assumed that the associated wells with Water Permit No. 8039-3 will be constructed at the proposed locations.

The well completion report submitted with Water Permit Application No. 8049-3 shows that the well which was constructed in Section 8 is approximately 0.6 miles south of the well locations proposed in Water Permit Application No. 8039-3. The well site proposed in the center of the NW  $\frac{1}{4}$  of Section 4, T106N-R67W is approximately 0.75 miles to the northeast of the well sites proposed in Water Permit Application 8039-3. The observed water level in the well completion report submitted with Water Permit Application No. 8049-3 is reported to be 57 feet above the top of the water bearing material. SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery, and the Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. To balance interests between irrigation use and delivery of water by artesian pressure, the Water Management Board has defined an "adversely impacted domestic well" in ARSD 74:02:04:20(7) as:

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

It is not expected that the diversion rate proposed in this application will be sufficient to exhaust the 57 feet of artesian head pressure observed in this well nor in the wells proposed in Water Permit Application No. 8039-3 located 0.6 and 0.75 miles away. Therefore, adverse impacts to nearby adequate wells, including the wells associated with Water Permit Application No. 8039-3, are not expected to occur.

Water Right No. 3540-3 has a series of wells completed into the SW ¼ of Section 33, T107N-R66W. The closest of these wells is approximately 0.4 miles to the north of the proposed well site in Section 4. Although this distance may not be sufficient to avoid interference, the Water Rights Program considers it a management issue for the Spring Valley Colony (the current applicant and the holder of Water Right 3540-3) to control withdrawals so as to avoid interference between the adjacent well locations.

The nearest domestic well on file with the Water Rights Program is located 1.1 miles to the southeast and 1.7 miles to the northeast of the well sites in Section 4 and 8, respectively. Given the distance involved and the artesian head of the aquifer, an adequately constructed domestic well at this distance is not expected to experience impairment as a result of pumping at the proposed diversion rate.

#### CONCLUSIONS:

1. Water Permit Application No. 8049-3 proposes to divert water at a rate of 4.47 cfs from two wells completed into the Crow Creek aquifer in order to irrigate 313 acres.
2. There is a reasonable probability that unappropriated water is available from the Crow Creek aquifer to supply the proposed appropriation.
3. The proposed diversion is not expected to adversely impact existing nearby water rights/permits or domestic users.



Bracken Capen  
SD DENR-Water Rights Program

Approved by



Ken Buhler  
SD DENR-Water Rights Program

## **REFERENCES:**

- Hamilton, L.J. 1985. Water Resources of Aurora and Jerauld Counties, South Dakota. Water Resources Investigation Report 84-4030. U.S. Geological Survey. Huron, South Dakota.
- Water Rights, 1980-2014. "Irrigation Report Summaries." SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2014a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2014b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2014c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

RECEIVED

DEC 05 2014

WATER RIGHTS  
PROGRAM

# Affidavit of Publication

STATE OF SOUTH DAKOTA, COUNTY OF JERAULD, SS.

Karen Wenzel

being first duly sworn, deposes and says: that he/she is a resident of the County of Jerauld and State of South Dakota; and the True Dakotan is a weekly newspaper of general circulation, published in Wessington Springs, in said county by J. Craig and Dennis P. Wenzel; and is now and has been such newspaper continuously, during all the times hereafter mentioned; that the affiant is, and was during all the times hereafter mentioned, the business manager of said newspaper, in charge of the advertising department thereof; and has personal knowledge of all facts stated in this affidavit.

And that the notice and advertisement headed

Notice of Application No 8049-3 to Appropriate Water

a printed copy of which is hereunto attached and made a part hereof, was printed and published in said newspaper in 1 successive issues. That the first publication of said notice in said newspaper aforesaid was on Tuesday, the 18 day of Nov 2014; and that the succeeding publications were:

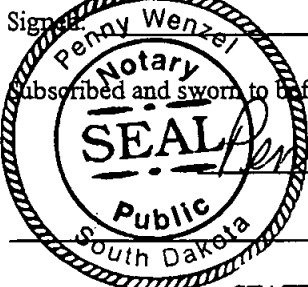
On Tuesday, the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

On Tuesday, the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

On Tuesday, the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

That the fee charged for the printing and publishing of said notice and advertisement in said newspaper aforesaid, was 29 dollars and 11 cents, and for this affidavit; and that said fee for printing and publishing said notice and advertisement in said newspaper has been full paid; that the full amount of fees charged for the publishing of the said attached and annexed notice and advertisement inures to the benefit of the publisher of the said True Dakotan; and no agreement or understanding for the division thereof has been made with any person whomsoever; that the said newspaper is a legal newspaper as provided by law.

Signed:



Karen Wenzel

Subscribed and sworn to before me, this 1 day of Dec 2014.

Penny Wenzel Notary Public in and for  
Jerauld County, South Dakota

AFFIDAVIT EX REL PUBLICATIONS FEES  
STATE OF SOUTH DAKOTA, COUNTY OF JERAULD, SS.

\_\_\_\_\_ being first duly sworn on his oath, says that he is one of the authorized attorneys of the \_\_\_\_\_ In the action mentioned and described in the annexed notice; that the affiant directed the publication of the annexed notice; that no agreement or understanding for any division of the fees therefore has been made with any person whomsoever; and that no part therefore has been refunded or rebated by the party publishing said notice.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Notary Public, Jerauld County, South Dakota

**NOTICE OF APPLICATION  
NO. 8049-3 to Appropriate  
Water**

Notice is given that Spring Valley Colony, c/o Melvin Stahl, 23064 365th Ave, Wessington Springs SD 57382 has filed an application for a water permit to appropriate 4.47 cubic feet of water per second from two wells to be completed into the Crow Creek Aquifer (171 feet deep) located in the approximate centers of the NE 1/4 Section 8 and NW 1/4 Section 4 for irrigation of 313 acres located in the NE 1/4 Section 8 and NW 1/4 Section 4; all in T106N-R67W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8049-3 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 December 1, 2014.

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. Information concerning this application is available at <http://denr.sd.gov/public>. 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 \$29.11.  
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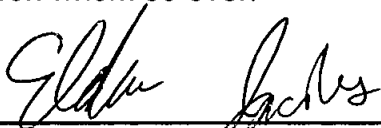
STATE OF SOUTH DAKOTA,  
COUNTY OF BEADLE: ss

WATER RIGHTS  
PROGRAM

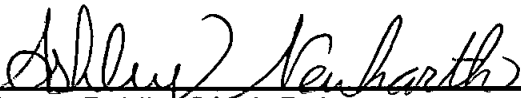
I, ELDON JACOBS, being duly sworn on oath say that the PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks 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/MELVIN STAHL**

was published for one day, in said newspaper, and not in any supplement of the said newspaper, the publication was of the 18<sup>TH</sup> day NOV 2014. That the full amount of the fee charged for publishing is: THIRTY-FOUR & 12/00 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 me before this 18<sup>TH</sup> Day of NOV 2014.



Notary Public, South Dakota

My term expires 10/25/2017  
Legal #1512

F.P. 11-18-14

**NOTICE OF  
APPLICATION  
NO. 8049-3 to**

**Appropriate Water**

Notice is given that Spring Valley Colony, c/o Melvin Stahl, 23064 365th Ave, Wessington Springs SD 57382 has filed an application for a water permit to appropriate 4.47 cubic feet of water per second from two wells to be completed into the Crow Creek Aquifer (171 feet deep) located in the approximate centers of the NE 1/4 Section 8 and NW 1/4 Section 4 for irrigation of 313 acres located in the NE 1/4 Section 8 and NW 1/4 Section 4; all in T106N-R67W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8049-3 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 December 1, 2014.

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. Information concerning this application is available at <http://denr.sd.gov/public>. 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. 1512 (adv.)  
Published once at the total approximate cost of \$34.12.

## Schlaak, Karen

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**From:** Schlaak, Karen  
**Sent:** Thursday, November 13, 2014 7:55 AM  
**To:** Ruby Crandall (rnewman.plainsman@midconetwork.com)  
**Subject:** Application No. 8049-3  
**Attachments:** 8049-3public.short.docx

Please publish the attached notice on November 18, 2014. Spring Valley Colony, c/o Melvin Stahl, 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382 (ph 605 539-1361 c-605 530-5186) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit ASAP.  
Thanks,

*Karen Schlaak*  
Water Rights Program  
523 E Capitol Ave  
Pierre SD 57501  
Phone: 605 773-3352



DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES

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



November 12, 2014

Plainsman  
PO Box 1278  
Huron SD 57350

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 8049-3 to Appropriate Water. Please publish the notice once on November 18, 2014. 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 Spring Valley Colony, c/o Melvin Stahl, 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382 (Ph # 605-539-1361).

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

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

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
605 773-3352

enclosures



DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES

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



November 12, 2014

True Dakotan  
PO Box 358  
Wessington Springs SD 57382

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 8049-3 to Appropriate Water. Please publish the notice once on November 18, 2014. 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 Spring Valley Colony, c/o Melvin Stahl, 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382 (Ph # 605-539-1361).

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

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

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
605 773-3352

enclosures



DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES

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523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov



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

November 12, 2014

Spring Valley Colony  
Melvin Stahl  
23064 365<sup>th</sup> Ave  
Wessington Springs SD 57382

Dear Mr. Stahl:

Water Permit Application No. 8049-3 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 True Dakotan printed at Wessington Springs SD (Ph # 605-539-1281) and the Plainsman printed at Huron SD (Ph # 605-353-7401). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
(605) 773-3352  
enclosures

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

Instruction to Newspaper - Publish the Notice on November 18, 2014. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

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NOTICE OF APPLICATION NO. 8049-3 to Appropriate Water

Notice is given that Spring Valley Colony, c/o Melvin Stahl, 23064 365<sup>th</sup> Ave, Wessington Springs SD 57382 has filed an application for a water permit to appropriate 4.47 cubic feet of water per second from two wells to be completed into the Crow Creek Aquifer (171 feet deep) located in the approximate centers of the NE 1/4 Section 8 and NW 1/4 Section 4 for irrigation of 313 acres located in the NE 1/4 Section 8 and NW 1/4 Section 4; all in T106N-R67W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8049-3 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 December 1, 2014.

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. Information concerning this application is available at <http://denr.sd.gov/public>. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

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



DEPARTMENT OF ENVIRONMENT  
and NATURAL RESOURCES

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



DEC 18 2014

Spring Valley Colony  
c/o Melvin Stahl  
23064 365<sup>th</sup> Ave  
Wessington Springs SD 57382

Dear Mr. Stahl:

Enclosed is Water Permit No. 8049-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also, enclosed is Reissued Water License No. 3540-3. Water License No. 3540-3 is being reissued based on Water Permit No. 8049-3 which authorizes irrigation of 134 acres located in the NW 1/4 Section 4-T106N-R67W which was originally included on No. 3540-3.

A 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 information 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

8049-3

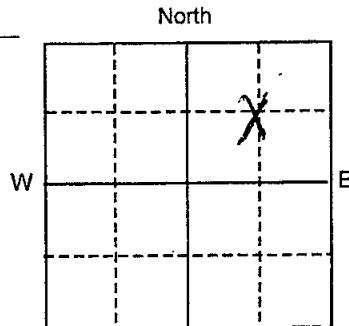
SD EForm - 1621LD V1

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location N 1/4 1/4 Sec 8-10 Twp 106 Rg 67County Perdahl

Please mark well location with an "X"



Well Completion Date

12/9/2015

1 Mile

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

None ft. from (identify source)

## PROPOSED USE:

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

## METHOD OF DRILLING:

Reverse Circulation

## CASING DATA:

☐ Steel ☒ Plastic ☒ Other  
 If other describe Stainless Steel

| PIPEWEIGHT   | DIAMETER | FROM   | TO     | HOLE DIAMETER |
|--------------|----------|--------|--------|---------------|
| SDR26 LB/FT  | 16 IN    | 0 FT   | 112 FT | 26 IN         |
| 3CH 80 LB/FT | 16 IN    | 112 FT | 152 FT | 26 IN         |
| psetSS LB/FT | 16 IN    | 152 FT | 182 FT | 26 IN         |

## GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To     |
|------------|--------------|--------------|------|--------|
| #20        | 15           | Lb/gal       | 0 Ft | 150 Ft |
|            |              | Lb/gal       | Ft   | Ft     |

Describe grouting procedure

Tremie Pipe

## SCREEN:

☐ Perforated pipe ☒ Manufactured  
 Diameter 16 Inches Length 30 Feet

Material Stainless Steel

Slot Size .050 Set From 152 Feet to 182 Feet

Other information

WAS A PACKER OR SEAL USED? ☒ Yes ☐ No

If so, what material? Enviro Plug

Describe packer(s) and location

Above Screen

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: Spring Valley Hutterite Colony

Business Name:

Address: 23064 365th Ave

City, State, Zip: Wessington Springs SD 57382

## WELL LOG:

| FORMATION            | DEPTH |     |
|----------------------|-------|-----|
|                      | FROM  | TO  |
| Top Soil             | 0     | 3   |
| Yellow Clay          | 3     | 25  |
| Blue Clay            | 25    | 150 |
| Pea Rock some coarse | 150   | 182 |
|                      |       |     |
|                      |       |     |
|                      |       |     |
|                      |       |     |
|                      |       |     |

STATIC WATER LEVEL 80 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: Submersible  
☐ Bailed  
☐ Other

Pumping Level Below Land Surface

98 Ft. After 3 Hrs. pumped 600 GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

## REMARKS

RECEIVED

JAN 15 2016

WATER RIGHTS PROGRAM

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 1-8-16

8049-3

SD EForm - 1311LD V1

Form 10

RECEIVED

JUN - 9 2017

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

6-8-17

FROM:

Spring Valley Colony By. Melvin Stahl  
(name)23064 365th Ave  
(address)(605) 539-1361Wassington Springs  
(city)SD  
(state)57382  
(zip)(605) 530-5186  
(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. 8049-3 states that the water use system is to be constructed by

12-1-2019  
(date)

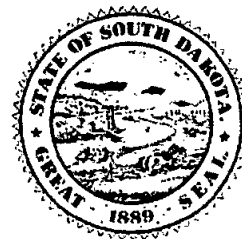
, and water is to be put to beneficial use by

12-1-2023  
(date)

The water use system was completed on ~~5~~ 5-5-2017  
(date)

Applying the water to beneficial use was completed on 5-27-2017  
(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 13, 2017

8049-3

Melvin Stahl  
Spring Valley Colony  
23064 365<sup>th</sup> Ave  
Wessington Springs SD 57382

Dear Mr. Stahl:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know the irrigation system authorized under Water Permit No. 8049-3 has been completed.

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)