

Water Permit No. 1382C-1
Belle Fourche River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have made a thorough examination of the water use system constructed by **G Eugene Johnson and Karol Johnson** of **635 Ramshead Place, Spearfish, SD 57783** holder of Permit No. **1382C-1**, bearing the priority of **March 18, 1987** authorizing the diversion of **0.85** cu. ft. per second of water from the **Madison and/or Minnelusa Aquifer** for **Irrigation** purposes, in **Lawrence** County.

Inspection contact & relationship
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Graf Drilling Co.**
- 2) No. of Wells **1**
- 3) Depth(s) **1,060** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **8 5/8, 5 1/2** inches
- 2) Length **800** feet
- 3) Type **Steel**

Screen:

- 1) Type **No Screen**
- 2) Static water level **Flowing**

Chemigation Equipment:

- 1) Does chemigate **N**

B. 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**

The point of diversion is located as follows:

Approximately 1,020 feet north and 1,285 feet east of the SW corner of Section 27-T7N-R2E

(N 44.53519, W -103.86499) (SW ¼ SW ¼)

The works are capable of diverting and conveying to the place of use **0.43** cu. ft. per second of water which is to be used for **Irrigation purposes**. Water has been put to beneficial use to the maximum extent as follows:

Section 27-T7N-R2E

NW ¼ SW ¼ - 19.3 acres

SW ¼ SW ¼ - 9.7 acres

Section 28-T7N-R2E

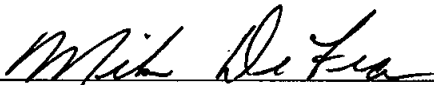
SE ¼ SE ¼ - 1 acre

comprising a total of **30** acres of land and the license should be issued for **0.43** cfs.

All structures, wells and lands on map **Y**

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

The original permit authorized the diversion of ground water from two wells. The wells were to be completed into the Madison or Minnelusa Aquifers. Only one well was constructed. Well log data identifies the well as being constructed into the Minnelusa Fm. The well is valved, and equipped with a pressure gauge. The authorized acres are flood irrigated.

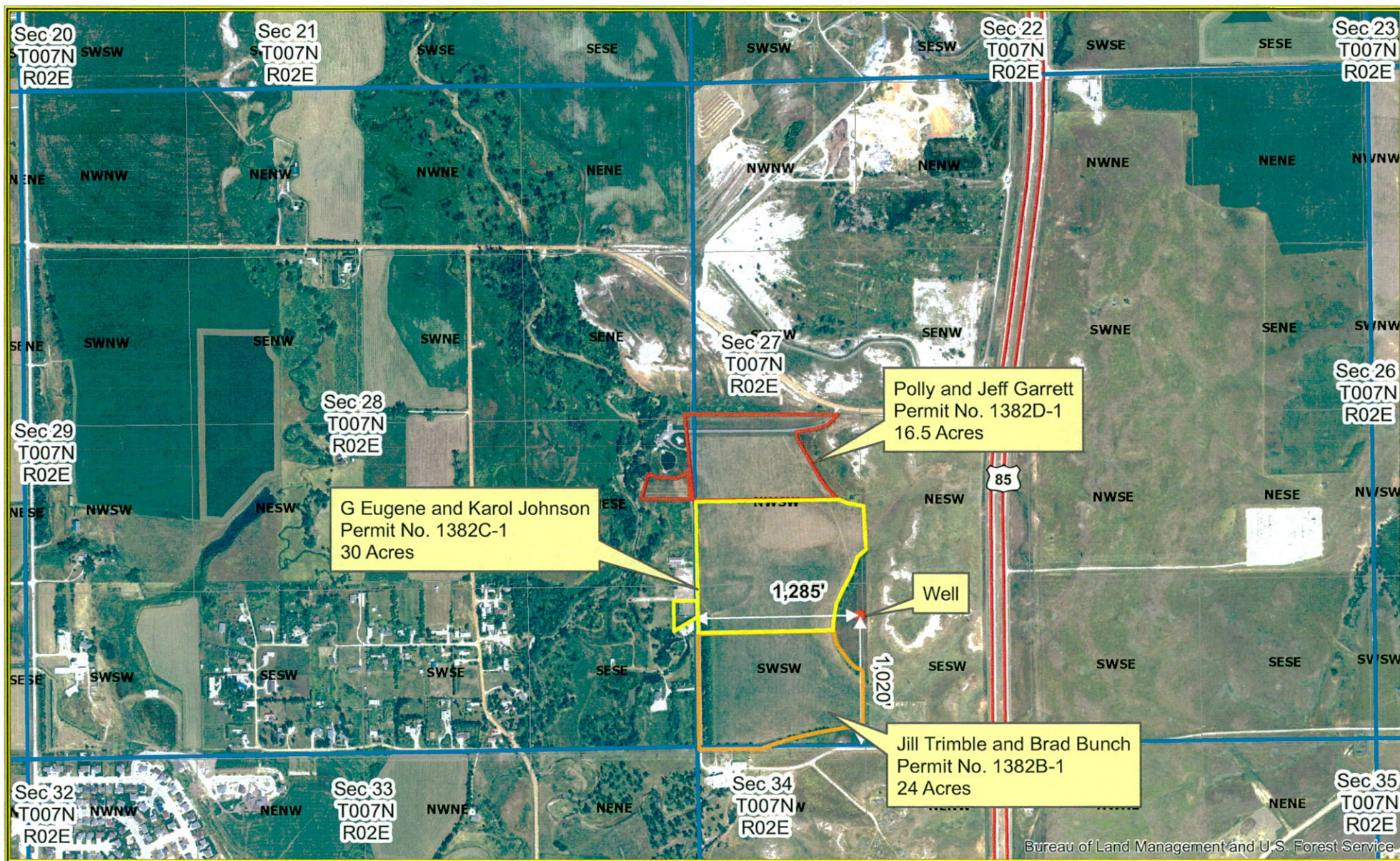


Mike DeFea

Natural Resources Engineer II
DENR, Water Rights Program

Date report completed: **July 20, 2015**

Water Permit No(s) 1382B-1, 1382C-1 & 1382D-1



0 0.125 0.25 0.5 Miles

Mike DeFea
Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
July 2, 2015





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

June 11, 2015

G Eugene Johnson
635 Ramshead Place
Spearfish SD 57783

Dear Mr. Johnson:

This letter is in regards to your Water Permit No. 1382A-1 and Water Permit No. 1382B-1 in the name of Jill M Trimble & Bradley E Bunch.

On June 5, 2015, I spoke with Mrs. Johnson regarding licensing of the permits. In our conversation, I informed her that I had previously met with you to conduct an inspection of Water Permit No. 1382A-1 for licensing of the permit. At that time, we went to the well and took the GPS coordinates at that location which is part of the inspection process; however, I did not confirm the number or location of the acres that are actually being irrigated for licensing of the permits at that time.

I have enclosed copies of the reissued permits of Water Permit No. 1382-1 into Water Permits No(s) 1382A-1 and 1382B-1, copies of the original application maps showing the approximate location of the originally permitted irrigated acres, and aerial maps showing the location of the well and I've outlined the originally permitted areas.

In order to complete the licensing process, could you verify the outlined areas on the aerial maps are correct or outline on an unmarked aerial map the acres that are actually being irrigated from the well and return a copy to me in the self-addressed envelope also enclosed.

I have included a few unmarked aerial maps in case changes need to be made. The copies of the permits, original application maps etc... do not need to be returned and may be kept for your records.

I apologize for any inconvenience and please feel free to call me at 773-5671 or email me at michael.defea@state.sd.us if you have any questions.

Sincerely,

Mike DeFea
Natural Resources Engineer II
DENR, Water Rights Program

enclosures

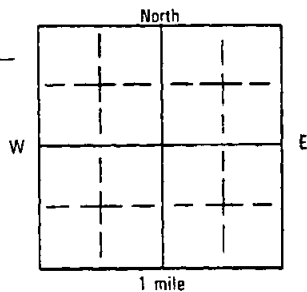
c: Jill M Trimble & Bradley E Bunch, 623 Ramshead Pl., Spearfish, SD 57783

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SW 1/4 Sec 27 Twp 7 Rg 2ECounty B4MLawrence

Please mark well location with an "X"

Well Completion Date 12/30/86

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
23# LB/FT	8 5/8 IN	0 FT	80 FT	12 1/4 IN
17# LB/FT	5 1/2 IN	0 FT	800 FT	7 7/8 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 0 - 80 0 - 800 FEETWhat is grouting material? cementIf cement, number of sacks? 28 sacks 128 sacks
40 " 28 "Describe grouting procedure 5 gal. water persack of cement
plus 2% bentoniteWhat was grout weight? no scales LB/GALSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain 2000 gal water to 1 gal chlorineBacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Eugene Johnson & Karl JohnsonAddress Spearfish, SD

Well Log:

Depth

Formation	From	To
surface	0	80
red bed spearfish	80	565
limestone	565	602
o'peache red bed	602	696
minnusa sand	696	720
claysand stringers	720	900
lost circulation	900	970
hard rock	970	980
honey comed	980	1060

fractured limestone

sandstone

STATIC WATER LEVEL flowing Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other

If other: specify _____

Can well be completely shut in? yes

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

lost circulation at 556' mixed Ston

of bentonite, 35 bales chips lost--

circulation at 900' drilled withth

bentonite chips blind to 1060' well

started flowing logged by US geo-
physical to 883' hole plugged at 883'This well was drilled under license # 327 with fine sand Continued Hired C/een

And this report is true and accurate.

Drilling firm GRAF DRILLING CO.

Signature of License Representative:

Signature of Well Owner:

Date _____



Gene Johnson

635 Ramshead Place, Spearfish, SD 57783
605-642-5933 Phone/Fax 605-641-1933 Cellular

GJ

GJ

RECEIVED

JUN 22 2015

WATER RIGHTS
PROGRAM

State of South Dakota

Water Rights Program

523 E Capitol Ave

Pierre, SD 57501-9970

Attn: Mike DeFea

June 16, 2015

RE: Water Permit No. 1382-1 Licensing

Enclosed please find map copies detailing the location and acres of the irrigated land. As discussed, Permit No. 1382B-1 is for Jill Trimble and Bradley Bunch, 623 Ramshead Pl, Spearfish, SD for 24 acres.

We would like to divide Permit No. 1382A again for Polly and Jeff Garrett, PO Box 1195, Spearfish, SD into Permit No. 1382C-1, which would have 16.5 acres of irrigated land. That would leave 43 acres for the original Permit No. 1382A-1. These are all within family.

We will be in Pierre on Friday afternoon, June 26 and would be able to meet with you at 3:00 to take care of the permit/licensing details. Our cell phone is 605-641-1933 for further questions.

Thank you,



G. Eugene Johnson

enclosures

email: Karoljoye@gmail.com

Water Permit No(s) 1382A-1 & 1382B-1



0 485 970 1,940 Feet

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
June 5, 2015



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today

Aerial Map



Dakota
PROPERTIES
REAL ESTATE

Maps Provided By:

surety
CUSTOMIZED ONLINE MAPPING
© AgriData, Inc. 2014 www.AgriDataInc.com

27-7N-2E
Lawrence County
South Dakota

map center: 44° 32' 18.94, 103° 52' 6.57
scale: 3044



6/14/2015

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. _____

Date: June 26, 2015

I/We request that Water Permit No. 1382A-1

owned by: G Eugene Johnson, 635 Ramshead Place, Spearfish SD 57783

be transferred to: (name & address) G Eugene Johnson and Karol Johnson
635 Ramshead Place, Spearfish SD, 57783

Telephone No. (605) 642-5933

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

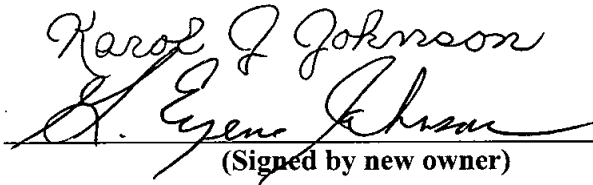
43 acres located in the W ½ SW ¼ Section 27 and the E ½ SE ¼ Section 28, T7N, R2E

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

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 required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We _____, 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 6/26, 2015

RECEIVED OF G Eugene Johnson 635 Ramshead Pl Spearfish SD 57783

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>1382A-1</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. **07430**

By

Jeanne Goodman
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

July 23, 2015

1382C-1

G Eugene and Karol Johnson
635 Ramshead Place
Spearfish SD 57783

Dear Mr. & Mrs. Johnson:

Recently, the transfer of ownership to divide Water Permit No. 1382A-1 into 1382C-1 and 1382D-1 was completed. The investigation of your water use system, including the extent of application of water to beneficial use, as developed under the permit, was completed by Mike DeFea, a staff engineer with our program. With ownership of the property now defined and the investigation completed, the final water right document, the water license, can now be issued.

State law requires that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$50.00 fee from you, we will complete processing your water license. The check or money order for the fee should be made payable to the "Water Rights Program".

Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact me.

Sincerely,

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

Genny McMath
Water Rights Program
(605) 773-3352

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 7/30, 20 15

RECEIVED OF G Eugene Johnson 635 Ramshead Place Spearfish SD 57783

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. <u>1382C-1</u>		
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	50 00

No. **07461**

By Jane Goodman
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 27 2015

1382C-1

G Eugene and Karol Johnson
635 Ramshead Place
Spearfish SD 57783

Dear Mr. & Mrs. Johnson:

Enclosed is Water License No. 1382C-1. 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. Also enclosed is Receipt No. 07461 in the amount of \$50 which you paid for the inspection and issuance of the water license.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 1382C-1, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Sincerely,

A handwritten signature in black ink that reads "Jeanne Goodman". The signature is fluid and cursive, with a long, sweeping underline.

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 1382C-1**

(1) G Eugene Johnson, Spearfish SD was originally issued Water Permit No. 1382-1, with a priority date of March 18, 1987 for a water permit to divert 1.19 cubic feet of water per second (cfs) from ground water (two wells – Madison or Minnelusa Aquifer), Lawrence County, South Dakota for irrigation purposes. Based on an ownership change filed on June 20, 2008, Water Permit No. 1382-1 was divided and reissued as follows:

- **Water Permit No. 1382A-1: G Eugene Johnson** – authorizing diversion of 0.85 cfs to irrigate 59.5 acres located in the W ½ SW ¼ Section 27 and the E ½ SE ¼ Section 28, T7N, R2E;
- **Water Permit No. 1382B-1: Jill M Trimble and Bradley E Bunch** – authorizing diversion of 0.34 cfs to irrigate 24 acres in the SW ¼ SW ¼ Section 27, T7N, R2E.

An inspection of the entire water use system was conducted for licensing purposes. Prior to licensing, ownership changes were filed for land described in Water Permit No. 1382A-1.

Based on the system as developed, Water Permit No. 1382A-1 has been divided and licensed as follows:

- **No. 1382C-1, G Eugene Johnson and Karol Johnson** - authorizing diversion of 0.43 cfs from one well (Minnelusa Aquifer) located in the SW ¼ SW ¼ Section 27 to irrigate 30 acres in the W ½ SW ¼ Section 27 and SE ¼ SE ¼ Section 28, T7N, R2E;
- **No. 1382D-1, Polly and Jeff Garrett** – authorizing diversion of 0.24 cfs from one well (Minnelusa Aquifer) located in the SW ¼ SW ¼ Section 27 to irrigate 16.5 acres located in the NW ¼ SW ¼ Section 27 and the NE ¼ SE ¼ Section 28, T7N, R2E.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the water supply system and are entitled to divert 0.43 cubic feet of water per second for beneficial use.

The location of the diversion point is 1,020 feet north and 1,285 feet east of the SW corner of Section 27, T7N, R2E (SW ¼ SW ¼).

(The original permit authorized diversion of ground water from two wells into either the Madison or Minnelusa Aquifers. Only one well was constructed and is used for irrigation of land described in Nos. 1382B-1, 1382C-1 and 1382D-1. The well log data identifies the well as being in the Minnelusa Aquifer.)

(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:

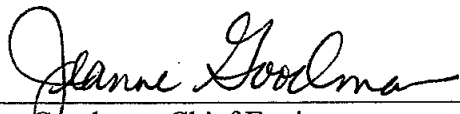
Section 27, T7N, R2E		Section 28, T7N, R2E	
NW ¼ SW ¼	19.3 acres	SE ¼ SE ¼	1.0 acre
SW ¼ SW ¼	9.7 acres		
Total – 30 acres			

continued

(4) Pursuant to South Dakota Water Law 46-5-30.1 G Eugene Johnson and Karol Johnson, 635 Ramshead Place, Spearfish SD 57783 the holders and/or owners of Water Right No. 1382C-1 are issued a license to appropriate water, the right to use 0.43 cubic feet of water per second from ground water (one well – Minnelusa Aquifer) with a priority date of March 18, 1987 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. 1382C-1 and subject to the following qualifications:

- The casing of the wells to be constructed under Permit No. 1382-1 (*1382C-1*) shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and constructed in compliance with Water Management Board Rules, Chapter 74:02:04. (*Only one well was constructed.*)
- The wells approved under this Permit shall be valved and the flow reduced to the amount needed or to a minimum when not being used. The wells shall also be equipped with a pressure gauge and a record kept of any pressure fluctuations. Such records shall be available to the Chief Engineer upon request. If the wells are abandoned they must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04. (*Only one well was constructed.*)
- 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. (*Only one well was constructed.*)
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



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

AUG 27 2015

date



PAID

JUL -6 2020

NOTICE OF TRANSFER OF OWNERSHIP
RECEIVED

Ck# 10961

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

JUL 06 2020

WATER RIGHTS
PROGRAM

Water Right/Permit No. 1382C-1

Date: _____

I/We request that Water Right/Permit No. 1382C-1 formerly owned by:

B Eugene & Karol Johnson be transferred to:

New Owner Name: Karol J Johnson

Address: 635 Ramshead Pl

City, State, Zip Spearfish, SD 57783

Telephone No. 605-641-5933

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

43 acres - W 1/2 SW 1/4 Section 27 and E 1/2 SE 1/4 Section 28, T7N, R2E

☒ I understand that the validity of Water Right/Permit No. 1382C-1 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, Karol J Johnson, the new owner, certify that the above information is true and correct.

Karol J Johnson
(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.

1382C-1

RECEIPT**WATER RIGHTS PROGRAM**

South Dakota Department of Environment and Natural Resources

Date July 6, 2020RECEIVED OF G. Eugene/Karol J. Johnson 635 Ramshead Pl Spearfish SD 57783

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>1382C-1</u>	\$50.00
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
	\$50.00

By

Eric Gronlund

Chief Engineer

Uni



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

July 6, 2020

1382C-1

Karol J Johnson
635 Ramshead Pl
Spearfish SD 57783

Dear Ms. Johnson:

I am writing to acknowledge receipt of the transfer form and filing fee you submitted for changing ownership on Water Right No. 1382C-1.

The ownership change has been completed. The water right formerly listed under both G Eugene and Karol Johnson is now listed solely in your name.

Enclosed for your records is a receipt for the filing fee you paid.

If you have any questions, please let me know.

Sincerely,

A handwritten signature in cursive script, appearing to read "Genny McMath".

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

enclosure