

Permit No. 2918A-3Big Sioux Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

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

I have this day made a thorough examination of the water use system constructed by Bob Dressen of RR 2, Dell Rapids, SD 57922 holder of Permit No. 2918-3, bearing the priority of August 4, 1976 authorizing the diversion of 6.52 cu. ft. per second of the waters of Big Sioux Aquifer - Middle Skunk Creek Unit for irrigation purposes, in Minnehaha County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

☐ = portions owned by Robert Dressen
2918C-3

Five wells - 32.5, 31, 31, 29 and 43' deep, respectively; All contain 14" Stainless Steel casing 22.5, 23, 23 and 18.5' in length, respectively (Well No. 5 is unknown); All contain 14" Johnson Stainless Steel .080 slot screen 10, 8, 8 and 11' in length, respectively (Well No. 5 is unknown); All Wells contain Western Land Roller pumps, Model Nos. 6-10CH (Nos. 1-3) and No. 8M3120H (Nos. 4 and 5); GE Motor No. 5"6237XM501B on Nos. 2 and 3 (Well No. 1 has no motor) and US Electric Motor No. 3267PWPI on Nos. 4 and 5; GE Motors are 40 HP, US Electric Motors are 50 HP; 400/600/500/400/800 GPM capacities, respectively.

B. Works used to transport water to place of use: Wells 1-4

608' of 6" PVC, 571' of 8" PVC and 200' of 4" PVC pipe

C. Works used to apply water to beneficial use:

2 Valley Systems - System on NE1/4 is Model No. 5171, 7 Tower Corner System, 1300' long with End Gun System on the SE1/4 is Model No. 5179, 9 Tower Corner System 1300' long with End Gun; both systems High Pressure with Rain Bird Sprinklers, 800 GPM each

The system is in the following condition good. The point of diversion is located Well No.

1 - 2436'W and 65'S of NE corner, Well No. 2 - 1827'W and 130' S of NE corner, Well No. 3 - 1704'W and 696'S of NE corner, Well No. 4 - 1520'W and 1315'S of NE corner and Well No. 5 - 1270'W and 1320' N of SE corner; all in Section 16-T104N-R50W, Minnehaha County, SD.

The works are capable of diverting and conveying to the place of use 3.56 cu. ft. per

second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

Section 16-T104N-R50W:

NW1/4 NE1/4 - 38 acres

SW1/4 NE1/4 - 40 acres

NE1/4 NE1/4 - 36 acres

SE1/4 NE1/4 - 33 acres

NW1/4 SE1/4 - 39 acres

SW1/4 SE1/4 - 38 acres

NE1/4 SE1/4 - 39 acres

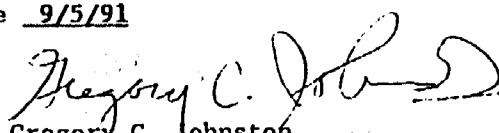
SE1/4 SE1/4 - 38 acres

2918C-3
147
acres
and 1.78 cfs

comprising a total of 301 acres of land and the license should be issued for 3.56 cfs.

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: None Date 9/5/91


Gregory C. Johnston
Natural Resources Engineer
DENR, Water Rights Division

LICENSE FOR PERMIT NUMBER 2918A-3

1. Legal location of wells: 5 Wells - Well #1 - 2436'W and 65'S of NE corner, Well #2 - 1827'W and 130'S of NE corner, Well #3 - 1784'W and 696'S of NE corner, Well #4 - 1520'W and 1315'S of NE corner and Well #5 - 1270'W and 1320'N of SE corner; all in Section 16-T104N-R50W, Minnehaha County, SD

Dams and Structures None

2. Well Information: Well Drilling Firm Lacey Well Drilling

Completion Report? Yes X No No. of Wells 5 Depth(s) 32.5/31/31/29/43 feet

Casing a) diameter 14 (all) inches Screen a) type 14" Johnson Stainless Steel .080 slot size

b) length 22.5/23/23/18.5/unknown feet b) length 10/8/8/10/Unknown feet

c) type Stainless Steel (all) Static Water Level 10.5/7/8/7/10 feet

Pump a) make Western Land Roller (all) Motor a) make Wells No. 2,3 are GE, Wells No. 4,5 are US Electric

b) model Nos.1,2,3 are 6-10CM; Nos.4,5 are 8M312OH b) model no. Nos. 2,3 are No. 5K6237XM501B; Nos.4,5 - 3267PWPI

c) size Nos.1,2,3 are 6"; Nos. 4,5 are 8" c) horsepower rating Nos 2,3 are 40 HP; Nos.4,5 are 50 HP

d) capacity 400/600/500/400/800 GPM d) serial no. Unknown

e) turbine pump - no. of stages All 3

f) operating PSI 20 (all)

4. System Type

a)gun:

1) make

2) nozzle size

b) center pivot:

1) make Both Valley

2) number of towers NE1/4 -7 Tower Corner

System Model No. 5171; SE₁/4 - 9 Tower Corner System Model No. 5179

- | | |
|----------------------------|--|
| 3) capacity (GPM) | 3) distance between towers |
| 4) hose size inches | 4) overall length <u>1300</u> feet |
| 5) hose length feet | 5) end gun (Y/N) <u>Y (both)</u> |
| e) gated pipe: | 6) high or low pressure <u>High (both)</u> |
| 1) length feet | 7) make and size of nozzles: |
| 2) diameter inches | <u>Rain Bird (both)</u> |
| 3) spacing of gates inches | 8) capacity (GPM) <u>800 GPM each</u> |

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project

Yes	No	Check Items
-----	----	-------------

- | | | |
|----------|--|---|
| <u>X</u> | | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit? |
| <u>X</u> | | 2. Special qualifications to permit being abided by? |
| <u>X</u> | | 3. All structures, wells and lands on map? |
| <u>X</u> | | 4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period? |
| <u>X</u> | | 5. Is chemigation used? |
| <u>X</u> | | 6. If yes, does equipment comply with chemigation rules? |

REMARKS:

**DIVISION OF WATER RIGHT NO. 2918A-3
INTO NO. 2918B-3 AND 2918C-3**

Water Right No. 2918A-3, owned by Robert Dressen, was licensed June 11, 1993 for diversion of 3.56 cubic feet of water per second (cfs) from five wells to irrigate 301 acres in the E 1/2 of Section 16, T104N, R50W.

On June 13, 1995, a transfer of ownership was received, transferring the SE 1/4 of Section 16 to Mary C or Leonard Dressen. Robert Dressen retains ownership of the NE 1/4 Section 16.

Water Right No. 2918A-3 is divided and reissued as follows:

No. 2918B-3, Mary C Dressen or Leonard Dressen:

irrigation of 154 acres in the SE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Well #5 located in the approximate center of the SE 1/4 of Section 16.

No. 2918C-3, Robert Dressen:

irrigation of 147 acres in the NE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Wells #1 thru #4 located in the NW 1/4 NE 1/4 of Section 16.

The reissued water rights will be subject to any limitations or qualifications listed in Water Right No. 2918A-3.

**STATE OF SOUTH DAKOTA
REISSUED WATER LICENSE NO. 2918C-3
DIVISION OF NO. 2918A-3 INTO 2918B-3 AND 2918C-3**

(1) Robert Dressen of Dell Rapids, SD 57022 was issued Water License No. 2918A-3, June 11, 1993 for a water right to appropriate 3.56 cubic feet of water per second from groundwater (five wells), Minnehaha County, South Dakota for irrigation purposes. Water License No. 2918A-3, with a priority date of August 4, 1976 was issued to Robert Dressen with construction of the described water supply system completed and the application to beneficial use of said water completed.

On June 13, 1995, a transfer of ownership was received, transferring a portion of the water right to Mary C or Leonard Dressen. Water Right No. 2918A-3 is being divided and reissued to reflect separate ownership. The reissued water rights will be as follows:

No. 2918B-3, Mary C or Leonard Dressen: irrigation of 154 acres in the SE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Well #5 located in the approximate center of the SE 1/4 of Section 16.

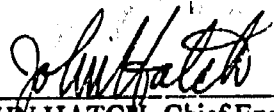
No. 2918C-3, Robert Dressen: irrigation of 147 acres in the NE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Wells # 1 thru 4, located in the NW 1/4 NE 1/4 of Section 16.

(2) It is certified that the water right holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.78 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 2.436'W & 65'S of the NE corner; Well #2 - 1.827'W & 130'S of the NE corner; Well #3 - 1.784'W and 696'S of the NE corner; Well #4 - 1.520'W & 1.315'S of the NE corner, all in Section 16, T104N, R50W (all located in the NW 1/4 NE 1/4).

(3) The water right holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate 147 acres in the NE 1/4 Section 16, T104N, R50W located as follows:

NW 1/4 NE 1/4	38 acres	SW 1/4 NE 1/4	40 acres
NE 1/4 NE 1/4	36 acres	SE 1/4 NE 1/4	33 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Robert Dressen of 24625 469th Avenue, Dell Rapids, SD 57022 the holder and/or owner of Water Right No. 2918C-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from groundwater (four wells) with a priority date of August 4, 1976 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Right No. 2918A-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

SEP 6 1995

date



SEP 6 1995

2918C-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

Mary C or Leonard Dressen
47264 246th Street
Dell Rapids, SD 57022-5326

Robert Dressen
24625 469th Avenue
Dell Rapids, SD 57022

Enclosed is your reissued water license. Pursuant to a "Notice of Transfer of Ownership" filed by Mary and Leonard Dressen, Water License No. 2918A-3 was divided and reissued to reflect separate ownership.

Water Right No. 2918A-3 was divided and reissued as follows:

No. 2918B-3, Mary C Dressen or Leonard Dressen: irrigation of 154 acres in the SE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Well #5 located in the approximate center of the SE 1/4 of Section 16.

No. 2918C-3, Robert Dressen: irrigation of 147 acres in the NE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Wells #1 thru #4 located in the NW 1/4 NE 1/4 of Section 16.

As long as you use the water beneficially as stated in Water License Nos. 2918B-3 and 2918C-3, SD Water Laws provide that you have a continuing right to the use of the water.

If you have any questions concerning your reissued licenses, please contact us.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Program
(605) 773-3352

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3191

December 30, 1996

2918C-3

Robert Dressen
29381 SD Hwy 19
Centerville, SD 57014

Dear Mr. Dressen:

Enclosed is a 1996 irrigation questionnaire pertaining to Water Right No. 2918C-3. I am including a postage paid envelope for your convenience in returning the form.

Mrs. Dressen indicated you had recently sold the farm and moved. If you would, please let the new owner(s) know that they should contact us to have the water right transferred to their name. If you would rather that I contact them, please include their name(s) and mailing address on the irrigation questionnaire when you send it in.

Thank you and if you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

January 15, 1996

2918C-3

Jay & Jerome Gereats
RR 3 Box 41
Dell Rapids, SD 57022

Dear Sirs:

I am contacting you in regard to ownership of land described in Water Right No. 2918C-3, currently listed in the name of Robert Dressen. The Dressen's have notified our office that they have sold the land to you.

Enclosed is a partially completed "Notice of Transfer" form for use in filing an ownership change on Water Right No. 2918C-3. Please review the form for accuracy, make any necessary corrections and complete the portion titled "to be transferred to: (name & address)". Upon completion, please sign the form in the presence of a notary public and return it to our office with a required filing fee of \$2.50.

If you have any questions concerning the water right or completion of the transfer form, please contact me.

Sincerely,

Ginny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosure

Date: 1-23-97

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

Division of Water Rights
South Dakota Department of Environment and Natural Resources

415233

Pierre, _____

January 30, 19 97

RECEIVED OF Jerome Geraets, 48010 247th St., Dell Rapids, SD 57022-5406
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ and to put water to beneficial use _____	to Appropriate Water, to construct		
Fee for Application for Permit No. _____ Use _____	to Appropriate Water, for Future		
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>Water Right No. 2913C-3</u>			
Fee for Filing Extension Request _____			
Fee for _____			

(Any Other Work Provided by Law)			
Total		2	50

By

Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

February 13, 1997

No. 2918C-3

Jay and Jerome Geraets
48010 247th St.
Dell Rapids, SD 57022

Dear Sirs:

Enclosed is a receipt in the amount of \$2.50 which you paid for the transfer of Water Right No. 2918C-3.

Our records now show you as the owner of Water Right No. 2918C-3.

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

enclosure



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

November 25, 1998

2918C-3

Troy J Geraets
24625 469th Ave
Dell Rapids, SD 57022

Dear Mr. Geraets:

This will acknowledge receipt of the 1998 irrigation questionnaire for Water Right No. 2918C-3 listed in the names of Jay and Jerome Geraets. It is my understanding from the notation made on the questionnaire that the water right should be transferred to your name.

Enclosed is a partially completed "Notice of Transfer of Ownership" form for use in filing an ownership change. Please review the form for accuracy and make any necessary corrections. Upon completion, please sign the form in the presence of a notary public and return it to our office with a required filing fee of \$2.50.

Thank you in advance for your assistance. If you have any questions concerning the water right or with completion of the transfer form, please give me a call.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

encl

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 2918C-3



Date: 12-24-98

I/We request that Water Right No. 2918C-3

formerly owned by: Jay and Jerome Geraets

be transferred to: (name & address) Troy J Geraets, 24625 469th Ave, Dell Rapids, SD 57022

Telephone No. 605 428-4632

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

147 acres in the NE 1/4 Section 16, T104N, R50W

I/We understand that the validity of Water Right No. 2918C-3 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 Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

STATE OF SOUTH DAKOTA)

County of Minnehaha

I/We Troy J. Geraets being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Troy J. Geraets
(Signed)

Subscribed and sworn to before me this 24th day of December, 19 98.

James A. Anderson

(Notary Public)

JAMES A. ANDERSON

My Commission Expires February 9, 2004

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. 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

No 416003

RECEIVED OF Troy J. Geraets, 24625 469th Ave., Dell Rapids, SD 57022
the following amount in fees for services rendered as provided for by law:

Pierre, January 7, 19 99

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 Water Right No. 2918C-3

Fee for Filing Extension Request _____

Fee for _____

2 50

(Any Other Work Provided by Law)

Total

2 50

By

Chief Engineer

John Hatch (P)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

January 11, 1999

2918C-3

Troy J Geraets
24625 469th Ave
Dell Rapids, SD 57022

Dear Mr. Geraets:

Thank you for sending in the ownership change for Water Right No. 2918C-3, formerly owned by Jay & Jerome Geraets.

The transfer has been completed and the water right is now listed in your name. Enclosed is your Receipt No. 416003 in the amount of \$2.50 which you paid to cover the cost of the filing fees.

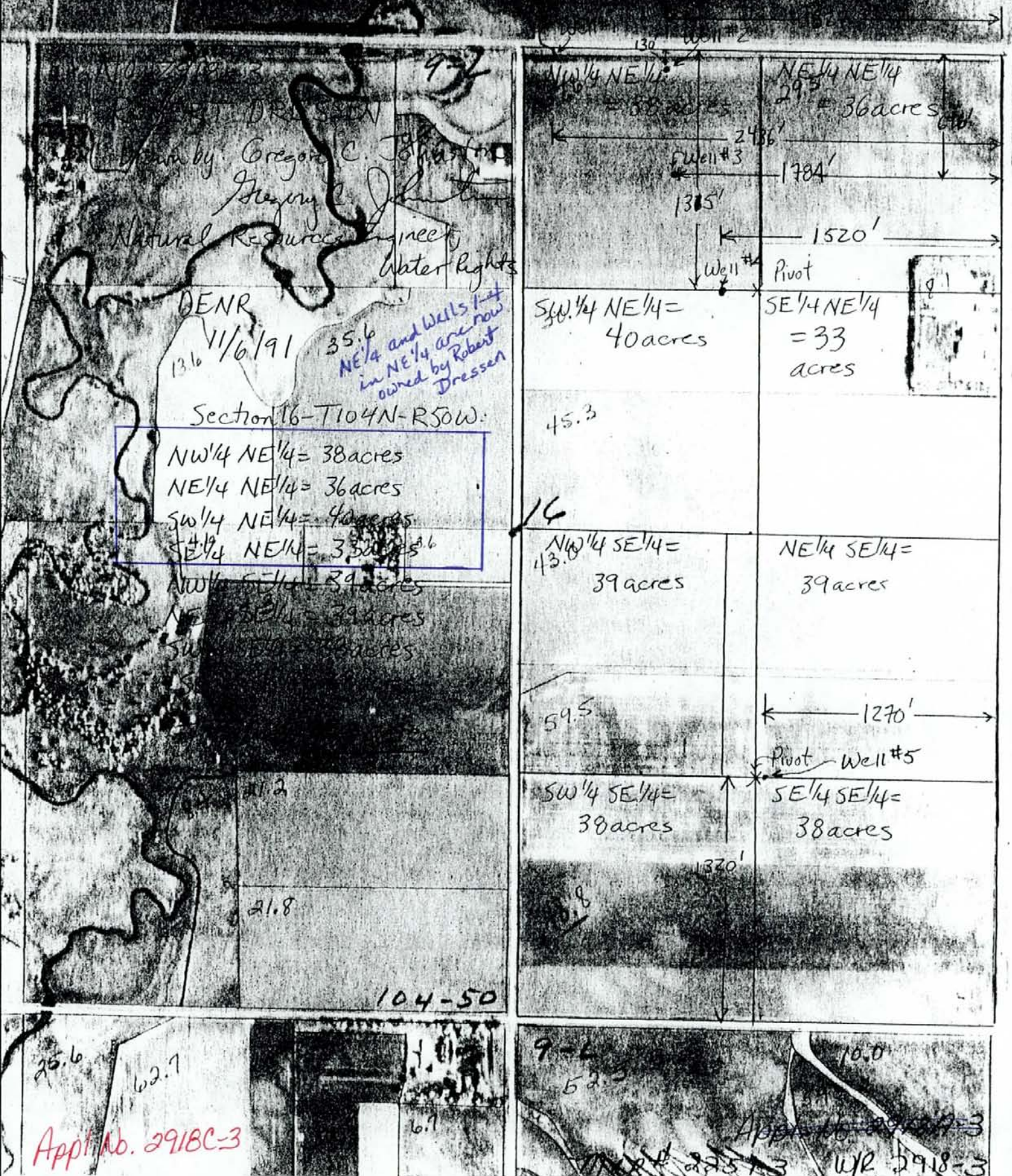
If you have any questions concerning the water right, please get in touch with me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosure

NOT TO SCALE





2918C-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

January 30, 2018

Troy Geraets
24625 469st Ave
Dell Rapids SD 57022

Dear Mr. Geraets:

A well completion report filed by Lacey Well Drilling Inc. shows that they recently completed a new well for you. A review of our files indicates Water Right No. 2918C-3 was issued for 1.78 cubic feet of water per second (800 gallons per minute) from three wells located in the NW 1/4 NE 1/4 Section 16 to irrigate 147 acres located in the NE 1/4 Section 16; all in T104N-R50W.

Is this a replacement well or an additional well? Does this well increase the total appropriation of 800 gpm? If the authorized diversion rate is increased, a new water permit will need to be obtained. Once we know this information, we can determine what additional action, if any, needs to be taken to ensure the water permit accurately reflects the colony's use.

Please contact Eric Gronlund or me regarding the status of this well or if you have any questions.

Sincerely,

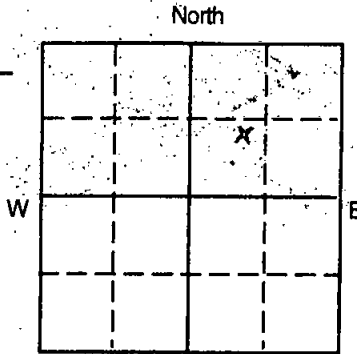
Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

*Tray called 2/6/18
this is a replacement well
and they won't be using any
additional water.*

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE 1/4 NE 1/4 Sec 16 Twp 104-N Rg 50WCounty
MinnehahaPlease mark well
location with an "X"

Well completion Date

12-20-17

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

22/14 ft. from FARM SITE (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket - False Casing

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>25</u> LB/FT	<u>14</u> IN + <u>1"</u>	<u>1</u> FT	<u>30</u> FT	<u>20</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>Bentonite</u>	<u>11</u>	<u>0</u> Lb/gal	<u>0</u> FT	<u>8</u> FT
		Lb/gal	FT	FT

Describe grouting procedure Bentonite - Clay - water - mixed

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 14 Inches Length 22 FeetMaterial PVCSlot Size 060 Set From 38 Feet to 50 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine in Pack
☐ No, Why Not?

Lab sample sent to for

water quality analysis

2018 11/11Please return **WHITE COPY** to: **DENR Water Rights**

Well Owner:

Tracy G. Garschke

Business Name:

Address:

24685 469th Ave.

City, State, Zip:

Dell Rapids SD 57022

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
<u>Sandy Topsoil</u>	<u>0</u>	<u>1</u>
<u>Brown Sand</u>	<u>1</u>	<u>10</u>
<u>Medium Sand</u>	<u>10</u>	<u>22</u>
<u>Uniform Grey Sand</u>	<u>22</u>	<u>50</u>

STATIC WATER LEVEL

9'2"

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
Sub

Pumping Level Below Land Surface

39'

Ft. After

2

Hrs. pumped

600

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

Big Sioux: Middle Skunk Creek AM

This well was drilled under license #

111

And this report is true and accurate.

Drilling firm:

Lacey Well Drilling Inc.

Signature of License Representative:

Juan Reddeker **RECEIVED**

Signature of Well Owner or Equitable Property Holder:

Craig D. Lacey**JAN 24 2018****WATER RIGHTS
PROGRAM**

Date:

1-18-18

523 E Capitol Ave.

Pierre SD 57501