

Water Permit No. 6339-3 is being divided and reissued based on action by Water Management Board taken on March 5, 2003 which transferred portions of the acreage to be irrigated and point of diversion to other lands.

Water Permit No. 6339A-3 authorizes 1.78 cfs from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the NW $\frac{1}{4}$ Section 19 to irrigate 160 acres located in the NW $\frac{1}{4}$ Section 19-T114N-R62W.

Water Permit No. 6339B -3 authorizes 1.78 cfs from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the quarter-quarter line between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ Section 14 to irrigate 160 acres located in the S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$ Section 14 with the well; all in T114N-R63W.

SOUTH DAKOTA
WATER PERMIT NO. 6339B-3 FOR IRRIGATION

Date of first receipt of application July 12, 2002.

The Water Management Board approved Water Permit No. 6339-3 on December 4, 2002 for Allen Gatzke, 39351 187th St, Hitchcock SD 57348 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. 6339-3 appropriates 3.56 cubic feet per second (cfs) from two wells (Tulare: Hitchcock Aquifer) 60 feet deep located in the centers of the NW ¼ and SW ¼ Section 14 to irrigate 320 acres located in the W ½ Section 14; all in T114N-R63W.

Water Permit No. 6339-3 is being divided and reissued based on action by Water Management Board taken on March 5, 2003 which transferred portions of the acreage to be irrigated and point of diversion to other lands.

Water Permit No. 6339A-3 authorizes 1.78 cfs from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the NW ¼ Section 19 to irrigate 160 acres located in the NW ¼ Section 19-T114N-R62W.

Water Permit No. 6339B -3 authorizes 1.78 cfs from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the quarter-quarter line between the NW ¼ and the SW ¼ Section 14 to irrigate 160 acres located in the S ½ NW ¼, N ½ SW ¼ Section 14 with the well; all in T114N-R63W.

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: April 1 – October 31.
3. The date from which applicant may claim right is July 12, 2002.
4. One-fifth of the construction is to be completed on or before June 4, 2005.
5. All construction is to be completed on or before December 4, 2007.
6. Water is to be put to beneficial use on or before December 4, 2011.
7. 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 well 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 well authorized by Permit No. 6339B-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 13 2003

date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

JUN 13 2003

Allen Gatzke
39351 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed are Water Permit Nos. 6339A-3 and 6339B-3 authorizing construction of your water diversion systems and beneficial use of the water, not exceeding the limits as specified in the Water Permit. Also, enclosed is the receipt for payment of the application filing fee.

Water Permit No. 6339-3 has been divided and reissued based on action by Water Management Board taken on March 5, 2003 which transferred portions of the acreage to be irrigated and point of diversion to other lands.

Form 10s, *Notice of Completion of Works and Application of Water to Beneficial Use*, are enclosed. Please return these completed forms after you have finished the systems and have put the water to beneficial use. An investigation can then be scheduled so the water licenses may be issued, thus completing the acquisition of a water right.

Sincerely,

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

enclosures

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

Date July 25-03

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED

NOV 25 2003

WATER RIGHTS
PROGRAM

FROM:

Allen Gatzke

(name)

3935 187 st

(address)

Hitchcock SD 57348

(city, state, zip)

605-2662711

(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. 6339-3 states that the water use system is to be constructed by

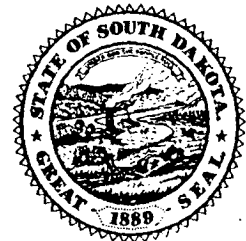
May 1 03, and water is to be put to beneficial use by May 15-03
(date) (date)

The water use system was completed on MAY 15-03
(date)

Applying the water to beneficial use was completed on MAY 15-03
(date)

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

Allen Gatzke
(signature)



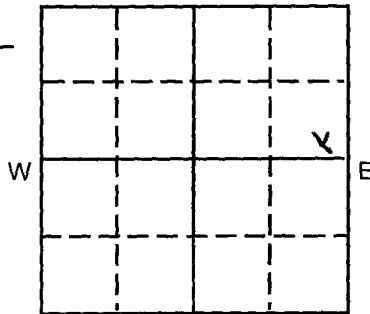
SOUTH DAKOTA WATER WELL COMPLETION REPORT

6339B-3
11-02Location SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 14 Twp 114 Rg 62

County

Spink

North

Please mark well
location with an "X"

Well Completion Date

10/13/2005

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

? _____ ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT LB/FT	DIAMETER IN	FROM FT	TO FT	HOLE DIAMETER IN
	16.00	0.0	56.0	24.00

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight Lb/gal	From Ft	To Ft
Cement	50		0.0	20.0
Vol Clay	3		20.0	50.0

Describe grouting procedure
Line

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 16.00 Inches Length 20.0 Feet
Material PVCSlot Size .057 Set From 56.0 Feet to 76.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ NoIf so, what material? Pearock

Describe packer(s) and location

@56

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets☐ No, Why Not?Lab sample sent to for
water quality analysisWell Owner: Allen Gatzske

Business Name: _____

Address: 39335 187 StCity, State, Zip: Hitchcock SD 57348

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Clay W/ Sand Strks	0	20
Med Yellow Sand	20	30
Fine to Med Gray Sand	30	40
Med Coarse Sand	40	60
Coarse Sand	60	76

STATIC WATER LEVEL

22

FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve☐ Reducers☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped

Describe:

☐ Bailed☐ Other

Pumping Level Below Land Surface

Ft. After

Hrs. pumped

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

This well was drilled under license #

440

And this report is true and accurate.

Drilling firm: Pullman Well Drilling Inc

Signature of License Representative:

Ken Palmer

RECEIVED

Signature of Well Owner or Equitable Property Holder:

JAN - 5 2006WATER RIGHTS
PROGRAM

Date:

12-31-05

1-5-76



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
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AUG 01 2008

6338-3
6338A-3
6339A-3
6339B-3
6340-3

Allen Gatzke
39352 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed is Water Permit No. 6338A-3 which amends several water permits by severing a portion of the permits and simultaneously transferring to other land. To reflect Water Management Board action taken on July 12, 2006, to transfer diversion rate authority and acres, Water Permit Nos. 6338-3, 6340-3, 6339A-3 and 6339B-3 are also being reissued.

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 for Water Permit No. 6338A-3 and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

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

enclosures

**REISSUED
SOUTH DAKOTA
WATER PERMIT NO. 6339B-3 FOR IRRIGATION**

The Water Management Board approved Water Permit No. 6339B-3 on March 5, 2003 for Allen Gatzke, 39351 187th St, Hitchcock SD 57348 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. 6339B-3 authorizes 1.78 cubic feet of water per second from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the quarter-quarter line between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ Section 14 to irrigate 160 acres located in the S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$ Section 14 with the well; all in T114N-R63W.

To reflect Water Management Board action taken on July 12, 2006, to transfer diversion rate authority and acres, Water Permit No. 6339B-3 is being reissued as follows:

Reissued Water Permit No. 6339B-3 appropriates 1.668 cubic feet of water per second from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the quarter-quarter line between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ Section 14 to irrigate 132 acres located in the S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$ Section 14 with the well; all in T114N-R63W.

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: April 1 – October 31.
3. The date from which applicant may claim right is July 12, 2002.
4. One-fifth of the construction is to be completed on or before June 4, 2005.
5. All construction is to be completed on or before December 4, 2007.
6. Water is to be put to beneficial use on or before December 4, 2011.
7. 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 well 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 well authorized by Permit No. 6339B-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 01 2008

date



Permit No. 6339B-3
James 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 this day, **September 10, 2007**, made a thorough examination of the water use system constructed by **Allen Gatzke** of **39351 187th Street, Hitchcock SD 57348** holder of Permit No. **6339B-3**, bearing the priority of **July 12, 2002** authorizing the diversion of **1.78 cu. ft. per second** from the **Tulare:Hitchcock Aquifer** for **irrigation** purposes, in **Spink** County.

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

A. Works used to divert the water:

A well is in place with a submersible pump that Jeff Gatzke indicates is capable of producing 1.67 cfs (750 gpm). This matched what was stated on the specification list inside the pivot control box.

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

Well head is in close proximity to pivot center (see picture). Water from the well is conveyed to the pivot point in a 8 inch pipeline.

C. Works used to apply water to beneficial use:

A new 7 tower Lindsey-Zimmatic center pivot

The system is in the following condition **excellent**. The point of diversion (well) is located specifically at **Lat/Lon - N44.683467 W-098.377000 which is the approximately 1,320 feet east of the W ¼ line in Section 14, T114N, R63W.** The works are capable of diverting **1.67 cfs from one well** which is to be used for **irrigation**. Water has been put to beneficial use to the maximum extent as follows:

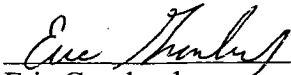
All in Section 14, T114N, R63W

SW ¼ NW ¼	33 acres
SE ¼ NW ¼	33 acres
NW ¼ SW ¼	33 acres
NE ¼ SW ¼	33 acres

This breakdown of acres is a best estimate based on 1) information provided by the applicant, 2) viewing the orthoquadrangle using ArcMap, and 3) calculating the area based on the pivot radius.

comprising a total of **132** acres of land and the license should be issued for **1.67 cfs** from the well
 Applicable permit qualifications have been complied with: **Yes**

Exceptions to compliance are: **see note in comment section** Date Report Completed: **September 27, 2007**



Eric Gronlund
 Natural Resources Engineer
 DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR PERMIT NO. 6339B-3

DATE OF INVESTIGATION:	September 10, 2007
NAME & ADDRESS OF PERMIT HOLDER	Allen Gatzke 39351 187th Street Hitchcock SD 57348
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Jeff Gatzke (son)
DIVERSION POINT LEGAL LOCATION	Centers of NE ¼ Section 15, T114N, R63W

Other permit(s) associated with the project: **28 acres out of originally issued Water Permit No. 6339B-3 were transferred to No. 6338A-3**

WELL INFORMATION:

- 1) Well Drilling Firm: **Pullman Drilling**
- 2) No. of Wells **One**
- 3) Depth(s) **approximate 60 - 65 feet**
- 4) Well log is available **no**
- 5) Comment:

Casing:

- 1) Diameter **16** inches
- 2) Length **unknown** feet
- 3) Type **Plastic**

Screen:

- 1) Type **PVC**
- 2) Length **unknown** feet
- 3) Static water level **22** feet

Pump:

- 1) Make **Submersible**
- 2) Model _____
- 3) Size
- 4) Capacity **750** GPM

Motor:

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

SYSTEM TYPE:

Center pivot:

- 1) Make **Lindsey - Zimmatic**
- 2) **Serial No. 163756**
- 3) Overall length **approx. 1,289** feet
- 4) Number of towers **7 tower**
- 5) Distance between towers _____ feet
- 6) End gun **Yes (length with gun 1,37.5 feet)**

- 7) High or low pressure **36 psi**
- 8) Capacity **750** GPM

CHEMIGATION EQUIPMENT: Yes –the pivot is set up for chemigation. However, it has not been used yet. There is the factory insert that combines the check valve, interlock, low pressure drain and vacuum relieve valve. Needs to install hose on low pressure drain so convey any drainage at least 20 feet from well.

PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by Yes
- 2) All structures, wells and lands on map Yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes

COMMENTS:

- Irrigation questionnaires indicate irrigation began in 2006
- Discussed with Mr. Gatzke the need to have hose from the low pressure drain at least 20 feet from each well.

Picture of well and pivot for Water Permit No. 6339B-3



Picture of Well and Pivot taken September 10, 2007

Water Permit No. 6339B-3, Allen Gatzke



2,000 1,000 0 2,000 Feet

Wells located approximately 1,320 feet east of the W 1/4 point in Section 14, T114N, R63W
Lat/Lon - N44.683467 W-098.377000



Eric Gronlund
Eric Gronlund
Water Rights Program
Date of Investigation - 9/10/2007



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

JAN 28 2008

6338-3
6338A-3
6339A-3
6339B-3
6340-3

Allen Gatzke
39351 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed are your Water License Nos. 6338-3, 6338A-3, 6339A-3, 6339B-3 and 6340-3. These are the final water right documents completing your process of obtaining Water Rights. Included with your licenses are maps prepared by the staff engineer who conducted the investigations.

For your information SDCL 46-6-27 requires that if the owner of an existing well(s), such as the wells authorized by the above water rights, 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.

Many of your irrigation systems are set up to use chemigation. The staff engineer who conducted the field investigation noted that the factory insert with your equipment combined the check valve, interlock, low pressure drain and vacuum relief valve. In order to comply with Water Management Board Rules for installation of chemigation equipment, you will need to install a hose on the low pressure drain to convey any drainage at least 20 feet from the water source. Enclosed are excerpts of Board Rules dealing with chemigation.

As long as you use the water beneficially, as stated in the Water Licenses, 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,

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

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6339B-3

(1) Allen Gatzke, 39351 187th St., Hitchcock SD 57348 was issued Water Permit No. 6339B-3, March 5, 2003 for a water permit to divert 1.78 cubic feet of water per second (cfs) from ground water (one well – Tulare:Hitchcock Aquifer), Spink County, South Dakota for irrigation purposes. Permit No. 6339B-3, with a priority date of July 12, 2002 was issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before December 4, 2007 and for the application to beneficial use of said water on or before December 4, 2011.

On July 12, 2006, the Water Management Board took action to transfer diversion rate authority of 0.112 cfs and 28 acres from the corners and simultaneously transfer them to other land (see 6338A-3). Water Permit No. 6339B-3 was reissued for the remaining diversion rate of 1.668 cfs and 132 acres.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.67 cubic feet of water per second for beneficial use. The location of the diversion point is approximately 1,320 feet east of the W ¼ line in Section 14, T114N, R63W.

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 14, T114N, R63W	SW 1/4 NW ¼	33 acres
	SE ¼ NW ¼	33 acres
	NW ¼ SW ¼	33 acres
	NE ¼ SW ¼	33 acres
	Total	132 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Allen Gatzke, 39351 187th St., Hitchcock SD 57348 the holder and/or owner of Water Right No. 6339B-3 is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from ground water (one well – Tulare:Hitchcock Aquifer) with a priority date of July 12, 2002 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6339B-3 and subject to the following qualifications:

- The well approved under this Water Right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 6339B-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.
- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.

Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 28 2008
date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

JUN 29 2016

Allen Gatzke
39351 187th St
Hitchcock SD 57348

RE: Water Right Nos. 6339B-3, 7292-3, 7292A-3 and 7292B-3

Dear Mr. Gatzke:

Enclosed are Water License Nos. 7292-3, 7292A-3 and 7292B-3. A map prepared by the staff engineer who conducted the field investigation is included.

Water Permit No. 7292-3 was obtained to cover the additional acreage in the W ½ Section 14, T114N, R63W not authorized under Water Right No. 6339B-3. The applicable portions of Water Right No. 6339B-3 were incorporated into Water License No. 7292-3. With each pivot operating as an independent system, No. 7292-3 was then divided and reissued as 7292A-3 and 7292B-3 to reflect two separate systems.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 7292A-3 and 7292B-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Sincerely,

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

enclosures