

WATER PERMIT NO. 6999-3

Name of Applicant: **Mark Jensen**

Address: **21324 479th St, Aurora SD 57002**

Phone: **605 693-4364**

Amount of Water Claimed: **1.0 cfs**

Total Acres: **97**

Source of Water Supply: **groundwater (one well)**

Water to be used for: **irrigation**

County: **Brookings**

Type of Waste Disposal System:

Location: **2 miles east of Aurora**

PRIORITY

Date Received: **3-12-08**

Application/License Fee: **\$275**

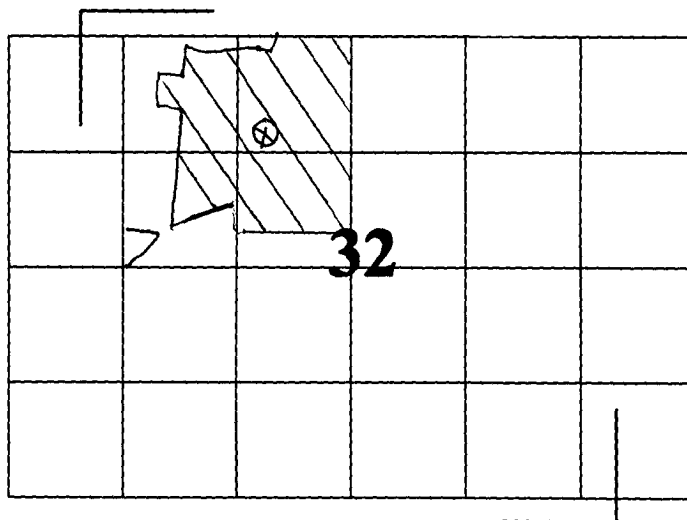
Corrected Application Received: **3-17-08**

Period of Annual Use: **April 1 – September 30**

Remarks:

Diversion Point: **NE ¼ NW ¼ Sec 32-T110N-R48W**

Land to be Irrigated: **NW ¼ Sec 32-T110N-R48W**



Depth of Well: **45 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Lois Berus, Brookings Co. FSA**

Reviewed and the Number Assigned on: **3-17-08**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

RECEIVED

MAR 12 2008

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6999-3</u> (office use only)	Hydrologic Unit <u>10170202</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Brookings Register</u>	<u>P.O. Box 177</u>
	<u>605-692-6271</u>	<u>Brookings 57006</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.)

- Name of Applicant Mark Jensen Phone (605) 693-4364
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 21324 479th Ave. Aurora State SD 57002
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.0*CFS or 300**GPM 98***AF Total Acreage 98
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply well
- Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) County Brookings
SE corner of NW 1/4 Sec 32-T110N-48W
NE 1/4
- County or counties where water will be used Brookings
- Annual period during which water is to be used April - September 30
- 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
SW 1/4 of NW 1/4 Sec 32-110N-48W	15		
NE 1/4 of NW 1/4 Sec 32-110N-48W	37		
NW 1/4 of NW 1/4 Sec 32-110N-48W	15		
SE 1/4 of NW 1/4 Sec 32-110N-48W	30		

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

Taking water from well to water vegetable/produce plots

STATE OF SOUTH DAKOTA) SS

County of Brookings)

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Mark Jensen, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Mark Jensen

Subscribed and sworn to before me this 10th day of March 20 08

Daneta M. Fischer
Notary Public signature

4-2000 My Commission Expires

2-18-2011

**SOUTH DAKOTA
WATER PERMIT NO. 6999-3**

Date of first receipt of application March 12, 2008.

Date of return to applicant for corrections, amendments or changes March 12, 2008.

Date of receipt of corrected application March 17, 2008.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6999-3 to Mark Jensen 21324 479th Ave, Aurora SD 57002 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. 6999-3 appropriates 1.0 cubic feet of water per second from one well to be completed into the Big Sioux:Aurora Aquifer (approximately 45 feet deep) located in NE 1/4 NW 1/4 Section 32 to irrigate 97 acres located in the NW 1/4 Section 32; all in T110N-R48W.
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 – September 30.
3. The date from which applicant may claim right is March 12, 2008.
4. The date of approval of Permit No. 6999-3 is May 19, 2008.
5. One-fifth of the construction is to be completed on or before November 19, 2010.
6. All construction is to be completed on or before May 19, 2013.
7. Water is to be put to beneficial use on or before May 19, 2017.
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 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. 6999-3 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

MAY 28 2008
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 20" Depth 45 ft
- b) Casing Type Steel Diameter 12" Thickness 3/8
- c) Screen Type SS Diameter 12" Thickness
- d) Gravel Pack 1/8 x 3/16 Length of Gravel Pack 10 ft
- e) Depth to Top of Water Bearing Material 45 ft.
- f) Depth to Water (ground surface to water level) 10 ft.
- g) Distance to nearest existing domestic well:
- On applicants property 1000 ft On property owned by others 1300 ft

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

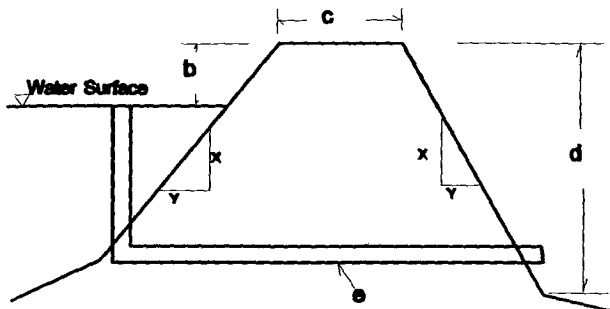
3. Dugout Information

- 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 & Y Slope
Upstream
Downstream
- h) Surface Area of Impoundment
- i) Storage Acre Feet
- j) Drainage Area Above Dam Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date March 12, 20 08

RECEIVED OF Mark Jensen, 21324 479th Ave, Aurora SD 57002

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

Fee for Application for Permit No. <u>6999-3</u> to Appropriate Water, to construct and to put water to beneficial use	75	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	75.00

No.

03575

By

Michael Ebele

Chief Engineer

KS

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 3/4, 20 08

RECEIVED OF Mark Jensen 21324 479th Ave Aurora SD 57002

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

Fee for Application for Permit No. <u>6999-3</u> to Appropriate Water, to construct and to put water to beneficial use	150	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>6999-3</u>	50	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	200	00

No.

03565

By

Harold Erbe
Chief Engineer

Eric:

after more research into the irrigation permit, we decided to increase the acres that we could potentially water.

Included is a check for an additional \$75 which would enable me to water more acres

Please disregard the first application with this second application and thanks for the information you gave me on the phone.

I will call you to make sure we are on the same page.

Thank You

Mark Jensen



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 4, 2008

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

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

- Enclosed is the aerial photo map submitted with the application. Please outline the 10 acres to be irrigated.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Karen Schlaak".

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

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
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PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

March 12, 2008

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

We received your revised *Application for a Permit to Appropriate Water* for irrigation. In order to complete the application the following is required.

- Enclosed is the aerial photo map submitted with the application. Please mark the proposed location of the well with an "X". The application states the well will be located in the SE ¼ NW ¼ Section 32.

If you have any questions, please contact me.

Sincerely,

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

enclosure

Enclosed is the map with the well site marked with an X, it is now in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Sec 32 T110N 48W. Would you be so kind as to change that on the application Line 4.

RECEIVED

MAR 17 2008

WATER RIGHTS
PROGRAM

Thank You

Mark Jensen



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6999-3, Mark Jensen**

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. 6999-3, Mark Jensen, 21324 479th Avenue, Aurora SD 57002.

The Chief Engineer is recommending APPROVAL of Application No. 6999-3 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 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. 6999-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
April 23, 2008

REPORT ON WATER PERMIT APPLICATION NO. 6999-3
For Mark Jensen
April 21, 2008

Application No. 6999-3 proposes to appropriate 1.0 cfs (450 gpm) from one well approximately 45 feet deep located in the center of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of section 32 to irrigate 97 acres located in the NW $\frac{1}{4}$ of section 32; all in T110N R48W in Brookings County.

AQUIFER – BIG SIOUX AURORA (BS-A)

The Big Sioux Aurora is a surficial outwash (sand and gravel) that is under water table conditions in this area. The aquifer underlies 39,300 acres and contains an estimated 165,060 acre feet of recoverable water in storage in Brookings County (Hedges, 1982). The aquifer blends into the Big Sioux Brookings aquifer to the west and is hydraulically connected to Medary Creek and its tributaries in this area. The direction of groundwater movement is from northeast to southwest in the area of this application (Hamilton, 1989). Recharge has been estimated to be about 6.57 inches per year for the water table portions of the Big Sioux aquifer in Brookings County (Koch, 1980). Both the Hedges and Hamilton reports indicate that section 32 is located well within the aquifer and should attain a thickness of about 40 feet.

No test wells were drilled for this application. The county study data, observation well drilling in the area and domestic wells all indicate the aquifer should be present at this site. Of course, it is necessary to drill test wells prior to a drilling a production well to determine the best potential site for a production well.

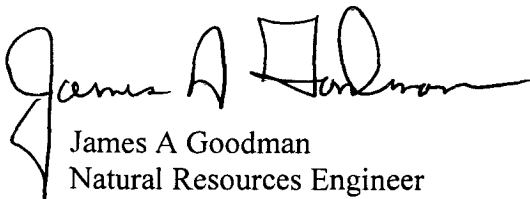
The Water Rights Program monitors two observation wells completed into the Big Sioux Aurora aquifer and within one mile of this application. These are observation wells BG-77I (located about one mile west) and BG-57G (located about one mile east) both from the site of this application. Water levels for these wells show good response to climatic conditions. Water levels rise during wet periods (recharge) and gradually decline during dry years. In general the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There nearest existing water permits/rights are located about one mile north of this application. At this distance drawdown would be insignificant. Interference is not a concern. There maybe domestic wells in the area but there should be little effect on area water levels by this proposed well.

CONCLUSIONS

1. Water is available from the Big Sioux Aurora aquifer.
2. The aquifer is under water table conditions in this area. Drawdown created by pumping should not be significant. Interference is not a concern.
3. Test wells need to be completed to evaluate this well site to determine the best potential site for a production well.
4. Any well constructed for this application must be completed in accordance with SD Well Construction Standards.

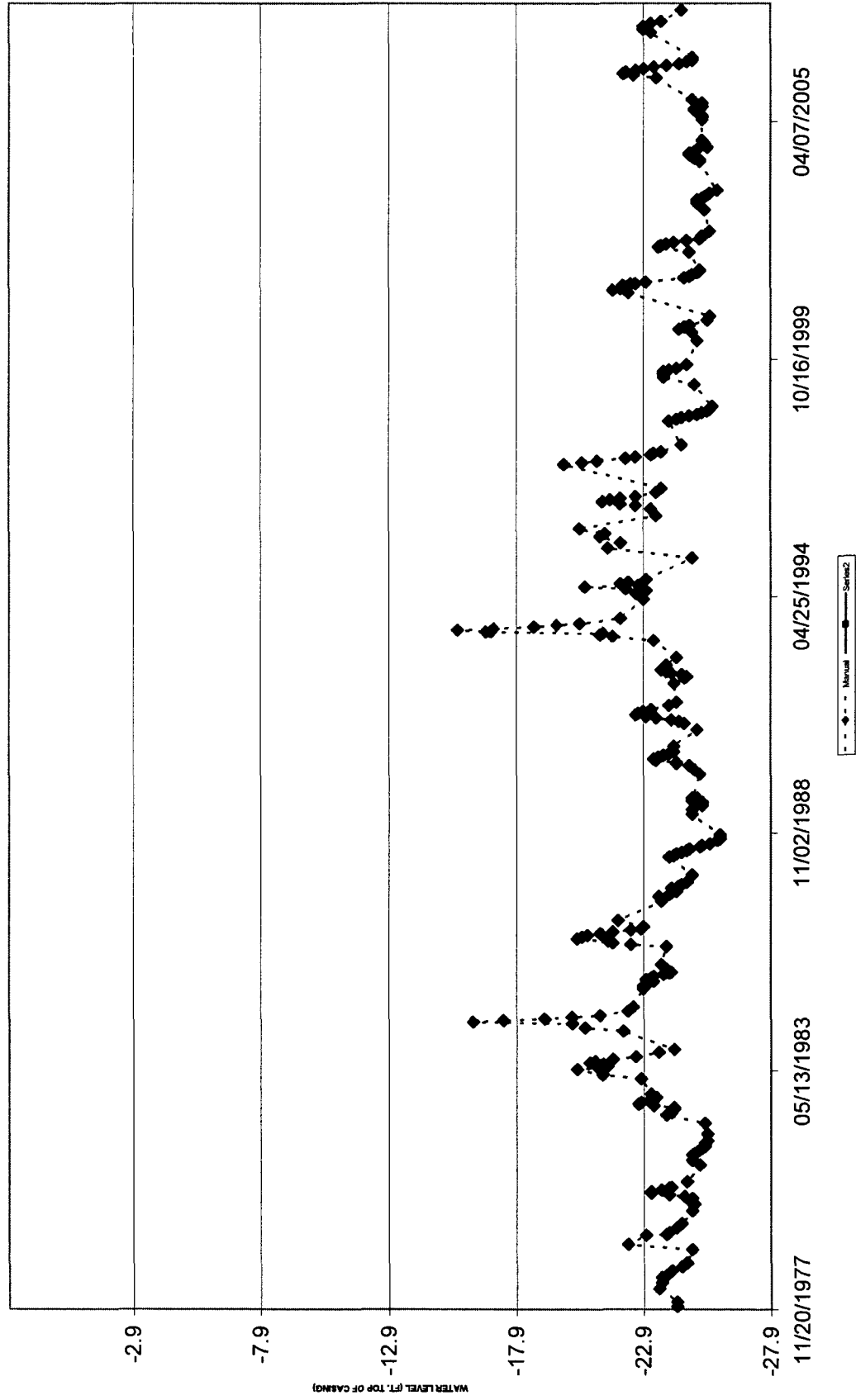


James A Goodman
Natural Resources Engineer

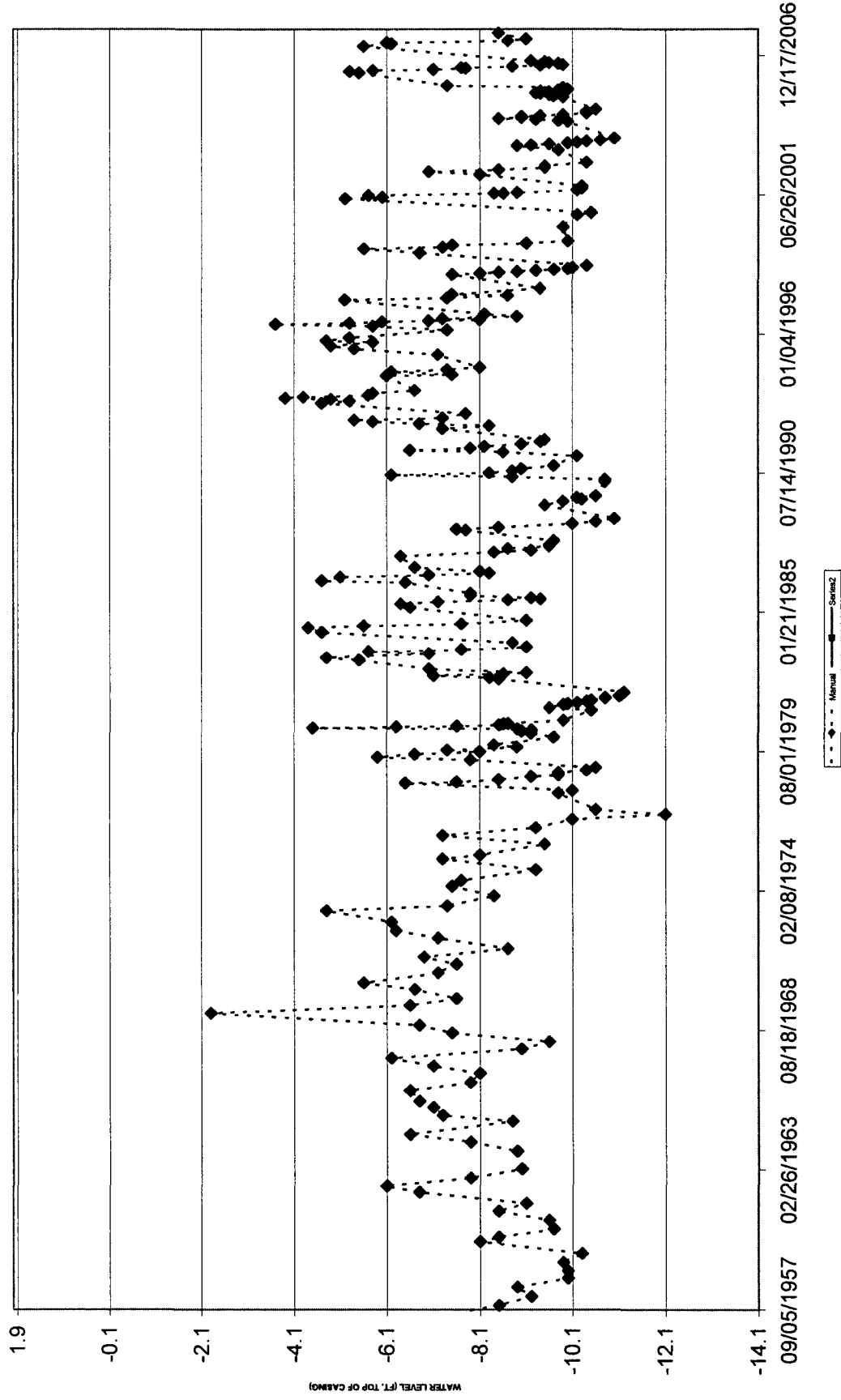
BIBLIOGRAPHY

- Hamilton, L.J., 1989, Water Resources of Brookings and Kingsbury Counties, South Dakota, Water-Resources Investigations Report 88-4185, USGS, Huron, SD, 57350.
- Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources of Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Koch, N.C., 1980, Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota, Water-Resources Investigation Report 80-100, USGS, Huron, SD, 57350.
- Water Rights, 2008, Unpublished Observation Well Data for Brookings County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL BG-77I



**WATER RIGHTS' OBSERVATION WELL
BG-57G**



RECEIVED

Affidavit of Publication

MAY 27 2008

Exhibit "A"

State of South Dakota

ss

County of Brookings

WATER RIGHTS PROGRAM

OK

Amy B. Larsen of said county, first duly sworn, on oath, says: That she is the office clerk of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed that the

Legal #977 "Water"

a printed copy of which, taken from the paper in which the same was published, is hereto attached marked Exhibit said newspaper for _____ 2 times, to-wit:

May 1, 2008

May 8, 2008

said Exhibit "A" inures to the sole benefit for the publishers 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 whomsoever; that the fees charged for the publication thereof are:

Forty dollars and five cent(s). \$40.05

Subscribed and sworn to before me this

9th day of

May

2008

Notary Public in and for the County of Brookings, South Dakota.
My Commission expires April 27, 2012

Legal 977, 2x, 5/1,8
NOTICE OF APPLICATION NO. 6999-3 to
Appropriate Water
Notice is given that Mark Jensen, 21324 479th Ave, Aurora SD 57002 has filed an application for a water permit to appropriate 1.0 cubic feet of water per second from one well to be completed into the Big Sioux-Aurora Aquifer (approximately 45 feet deep) located in NE 1/4 NW 1/4 Section 32 to irrigate 97 acres located in the NW 1/4 Section 32; all in T110N-R48W.
Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6999-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.
Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by May 19, 2008.
The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application.
Steven M. Pirner,
Secretary, Department of
Environment and Natural
Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

April 24, 2008

Brookings Register
PO Box 177
Brookings SD 57006

ATTENTION: Legal Public Notice

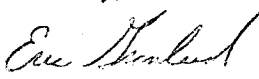
Enclosed is a Notice on Application No. 6999-3 to Appropriate Water to be published twice. Please publish the first notice on May 1, 2008 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Mark Jensen, 21324 479th Ave, Aurora SD 57002 (Ph # 605-693-4364).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** 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

-----CUT HERE-----

No. 6999-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of April 24, 2008 enclosing Notice to Appropriate Water by Application No. 6999-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

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

April 24, 2008

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

Water Permit Application No. 6999-3 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 Publisher of the Brookings Register printed at Brookings SD (Ph # 605-692-6271). You will need to contact the newspaper 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 to authorize publication of your Notice and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. 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 first Notice on May 1, 2008 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6999-3 to Appropriate Water

Notice is given that Mark Jensen, 21324 479th Ave, Aurora SD 57002 has filed an application for a water permit to appropriate 1.0 cubic feet of water per second from one well to be completed into the Big Sioux:Aurora Aquifer (approximately 45 feet deep) located in NE ¼ NW ¼ Section 32 to irrigate 97 acres located in the NW ¼ Section 32; all in T110N-R48W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6999-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by May 19, 2008.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAY 28 2008

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

Enclosed is Water Permit No. 6999-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

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

Sincerely,

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

enclosures



6999-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 23, 2009

NOTICE

TO: MARK JENSEN, 21324 479TH AVE, AURORA, SD

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

SUBJECT: Reporting Requirement for 2008 Irrigation Questionnaire(s)

Our records indicate that the 2008 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 6999-3. The request for the Questionnaire was dated October 24, 2008. The Water Management Board has directed that owners of water permits who have not submitted the 2008 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 6999-3 qualification:

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

The hearing will be held at **10:00 am, March 11, 2009** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 6999-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is (are) received in this office on/or before **March 6, 2009**, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352. If you prefer, you can complete the questionnaire on-line at the following link:

<https://www.state.sd.us/efrms/secure/efrms/E0455V7-IQ.pdf>

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

[Home](#) | [Help](#)[Track & Confirm](#)

Track & Confirm

Search Results

Label/Receipt Number: **2303 2160 0000 0802 6913**
Status: **Delivered**

Your item was delivered at 1:43 PM on January 24, 2009 in AURORA, SD 57002. The item was signed for by P JENSEN.

Track & Confirm

Enter Label/Receipt Number.

Notification Options

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email. [Go >](#)

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No FEAR Act EEO Data

FOIA

	
MARK JENSEN 21324 479TH AVE AURORA SD	
Waiver of Signature ☐ YES ☐ NO	
Postmark Here	
POSTAL CUSTOMER: Keep this receipt. For Inquiries: Access internet web site at www.usps.com or call 1-800-222-1811	
☐ Priority Mail™ Service ☐ First-Class Mail® parcel ☐ Package Services parcel	



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 2, 2009

6999-3

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

I am writing to acknowledge receipt of your 2008 irrigation questionnaire. You may disregard the January 23, 2009, "Notice" concerning reporting requirements for Water Permit No. 6999-3.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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

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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE 1/4 NW 1/4 Sec 32 Twp 110 Rg 48

County Brookings North

Please mark well location with an "X"



Well Completion Date

1-2-09

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1000 ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket-Febe Casing

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>50.40 LB/FT</u>	<u>12 IN</u>	<u>+1 FT</u>	<u>33 FT</u>	<u>20 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement Grout</u>	_____	_____ lb./gal	<u>0 ft</u>	<u>6 ft</u>
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 12 IN Length 5 FEET

Material PVC

Slot Size 0.80 Set From 33 Feet to 38.8 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: _____

☐ NO. Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Mark Jensen

Business Name: _____

Address: 21324 47th St
Aurora S.Dak. 57002

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Topsoil</u>	<u>0</u>	<u>1</u>
<u>Sandy Clay</u>	<u>1</u>	<u>3</u>
<u>Yellow Sand</u>	<u>3</u>	<u>7</u>
<u>Moist yellow Gravel</u>	<u>7</u>	<u>38'8"</u>

STATIC WATER LEVEL

6'

Feet

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

Describe: Self

☐ Bailed

☐ Other

Pumping Level Below Land Surface

21 ft. After 2 Hrs. pumped 500 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

MAR 18 2009

WATER RIGHTS PROGRAM

This well was drilled under license # 111

And this report is true and accurate

Drilling firm Lacey Well Drilling Inc.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Mark Jensen

Date: 3-12-09

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 6999-3

I have this day, 30 October 2014, made a thorough examination of the water use system constructed by Mark Jensen, 21324 479th Ave., Aurora, SD 57002 holder of Permit No. 6999-3, bearing the priority of March 12, 2008 authorizing the diversion of 1.0 cu. ft. per second of the waters of the Big Sioux: Aurora aquifer for irrigation purposes, in Brookings County.

Inspection contact & relationship **Mark Jensen, owner**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Lacey Well Drilling, Inc
- 2) No. of Wells one
- 3) Depth(s) 38-feet 8-inches
- 4) Well log is available yes

Casing:

- 1) Diameter 12 inches
- 2) Length 33 feet
- 3) Type PVC

Screen:

- 1) Type PVC
- 2) Length 5-feet 8-inches
- 3) Static water level 6 feet (2 January 2009)

Pump:

- 1) Make Goulds (submersible)
- 2) Model 5RWAHC
- 3) Size 460 V, 10 HP, 5-stage
- 4) Capacity 100 GPM

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

- 1) Type traveling gun hose
- 2) Size 2.3 inches
- 3) Length 720 feet

C. Works used to apply water to beneficial use:

Gun:

- 1) Make Ag Rain
- 2) Nozzle size .5 inches
- 3) Capacity 100 GPM
- 4) Hose size 2.3 inches

Chemigation Equipment:

Does not chemigate

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Yes
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes

List any extended period of nonuse: **Did not irrigate 2009-2011 because there was sufficient moisture**

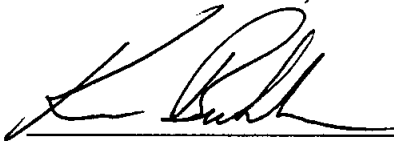
- 3) Exceptions to compliance are: na

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: 1120 feet south and 1500 feet east of the NW corner of Sec. 32, T110N-R48 W, (Lat/Lon: 44.293497/-96.62204, SW¼SW¼NE¼NW¼ Sec.32, T110N-R48W).
2. The works are capable of diverting and conveying to the place of use 0.22 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:
NE¼ NW¼ Sec. 32, T110N-R48W: 35 acres
NW¼ NW¼ Sec. 32, T110N-R48W: 16 acres
SW¼ NW¼ Sec. 32, T110N-R48W: 11 acres
SE¼ NW¼ Sec. 32, T110N-R48W: 29 acres

comprising a total of 91 acres of land and the license should be issued for 0.22 cfs.

3. All structures, wells and lands on map Yes



Ken Buhler
DENR, Water Rights Program

Date report completed: 7 December 2014

NW corner Sec.32, T110N-R48W

1500'

1120'

NW 1/4 NW 1/4

NE 1/4 NW 1/4

16 acres

35 acres

6999-3



Well



Irrigated acres



Section Boundaries - PLSS

11 acres

29 acres

SW 1/4 NW 1/4

SE 1/4 NW 1/4



kb
7 December 2014



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

MAR 19 2015

6999-3

Mark Jensen
21324 479th Ave
Aurora SD 57002

Dear Mr. Jensen:

Enclosed is Water License No. 6999-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6999-3, 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 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,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6999-3**

(1) Mark Jensen, 21324 479th Ave., Aurora SD 57002 made Application No. 6999-3, March 12, 2008 for a water permit to divert 1.00 cubic feet of water per second from ground water (one well, Big Sioux Aurora Aquifer), Brookings County, South Dakota for irrigation purposes. Permit No. 6999-3, with a priority date of March 12, 2008 was approved May 19, 2008 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 19, 2013 and for the application to beneficial use of said water on or before May 19, 2017.

(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 0.22 cubic feet of water per second for beneficial use.

The location of the diversion point is 1,120 feet S and 1,500 feet E of the NW corner of Section 32, T110N, R48W (NE ¼ NW ¼).

(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 32, T110N, R48W	NE ¼ NW ¼	35 acres
	NW ¼ NW ¼	16 acres
	SW ¼ NW ¼	11 acres
	SE ¼ NW ¼	29 acres
	Total	91 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Mark Jensen, 21324 479th Ave., Aurora SD 57002 the holder and/or owner of Water Right No. 6999-3 is issued a license to appropriate water, the right to use 0.22 cubic feet of water per second from ground water (one well, Big Sioux Aurora Aquifer) with a priority date of March 12, 2008 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. 6999-3 and subject to the following qualifications:

- 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.
- The well authorized by Permit No. 6999-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
- 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

MAR 19 2015

date



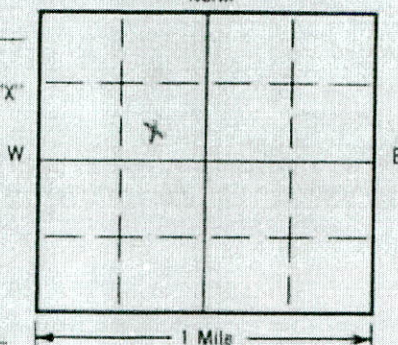
NE 1/4 NW 1/4

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SC NW 1/4 Sec 32 Twp 110 Rg 48
County Brookings

Please mark well location with an "X"



Well Completion Date

12-09

Well Owner Mark Jensen

Business Name

Address 21324 47thHighway 3000E, 57002

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Topsoil</u>	<u>0</u>	<u>1</u>
<u>Sandy clay</u>	<u>1</u>	<u>3</u>
<u>Yellow sand</u>	<u>3</u>	<u>7</u>
<u>Dark yellow gravel</u>	<u>7</u>	<u>38.8"</u>

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.) 1000 ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket-Drive CasingCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>20</u> LB/FT	<u>12</u> IN	<u>11</u> FT	<u>33</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>Grout/Cement</u>	_____	_____ lb./gal	<u>0</u> ft	<u>6</u> ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12 IN Length 5 FEETMaterial PVCSlot Size 080 Set From 33 Feet to 38.8 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, HowNO, Why Not?

Laboratory sent to for water quality analysis

STATIC WATER LEVEL 6' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: 21' ft. After 2 Hrs. pumped 500 GPM☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

21 ft. After 2 Hrs. pumped 500 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

MAR 18 2009

WATER RIGHTS PROGRAM

This well was drilled under license # 111

And this report is true and accurate

Drilling firm LEGACY WELL DRILLING

Signature of License Representative

Signature of Well Owner or Equitable Property Holder

Mark JensenDate 3-12-09



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 28, 2015

6999-3

Mark Jensen
47927 213th St
Aurora SD 57002-6605

Dear Mr. Jensen:

Enclosed is a "Notice" dated October 23, 2015 concerning the 2015 irrigation questionnaire.

The notice was originally mailed to 21324 479th Ave., Aurora SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

PAID
DEC 9 2021
Ck# 1050

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

RECEIVED

DEC - 9 2021

WATER RIGHTS
PROGRAM

No. 6999-3

Date: 12-6-21

I/We request that Water Right No. 6999-3

formerly owned by: Mark Jensen

be transferred to: (name & address) Chase Jensen, 21324 479th Ave., Aurora SD 57002

Telephone No. 605 690-4970

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

91 acres - NW ¼ Section 32, T110N, R48W

I/We understand that the validity of Water Right No. 6999-3 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 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 Chase L. Jensen, 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.

6999-3

RECEIPT**WATER RIGHTS PROGRAM**

South Dakota Department of Agriculture and Natural Resources

Date December 9, 2021RECEIVED OF Chase Jensen 21324 479th Ave., Aurora SD 57002

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>6999-3</u>	<u>\$50.00</u>
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law) TOTAL	<u>\$50.00</u>

By Eric Gronlund
Chief EngineerIm



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

December 14, 2021

6999-3

Chase Jensen
21324 479th Ave
Aurora SD 57002

Thank you for following up on the ownership change for Water Right No. 6999-3.

The ownership change has been completed. Water Right No. 6999-3 formerly held by Mark Jensen is now listed in your name.

Enclosed for your records is a receipt for the filing fee you paid. If I can answer any questions, please let me know.

Sincerely,

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

enclosure