

WATER PERMIT NO. 6488-3

Name of Applicant: **Brian Chicoine**

Address: **32650 480th Ave, Elk Point SD 57025**

Phone: **605 966-5271**

Amount of Water Claimed: **1.11 cfs**

Total Acres: **80 acres**

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

Water to be used for: **irrigation**

County: **Union**

Type of Waste Disposal System:

Location: **6 miles southeast of Elk Point**

PRIORITY Date Received: **3-19-2004**

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

Corrected Application Received: **3-29-2004**

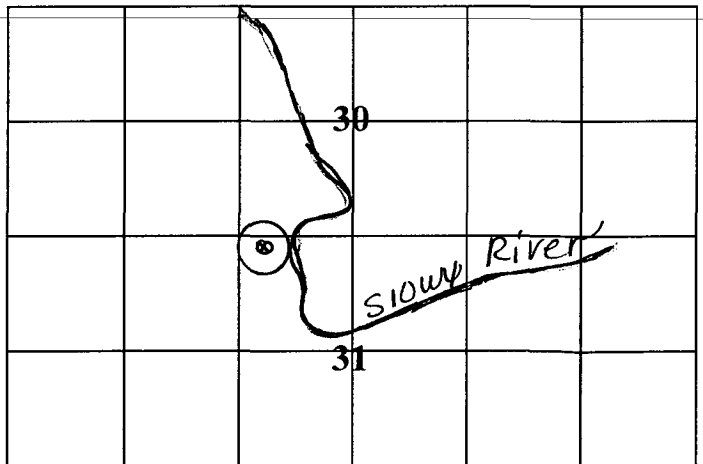
Period of Annual Use: **May 1 – Sept 30**

Remarks:

Diversion Point: **NW ¼ NW ¼ (lot 4) Sec 31-**

T91N-R48W

Land to be Irrigated: **N ½ NW ¼ (Lot 4) Sec 31**
and S ½ SW ¼ (Lot 2) Sec 30; all in T91N-R48W



Depth of Well: **120 feet deep**

Well Driller: : **Wetmore-Hammond Drilling**

Remarks:

Type of Map: **aerial**

Prepared by: **Larry D Wilcox, Union Co FSA**

Reviewed and the Number Assigned on: **3-29-2004**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

RECEIVED

MAR 19 2004

WATER RIGHTS
PROGRAM

Mail to:
Water Rights Program
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181
(605) 773-3352

6488-3 10170203
Sioux River
Leader-Courier, Elk Point

Application For Permit To Appropriately Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

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

1. Name of Applicant Brian Chicoine Phone 605/966-5271
(check one) ☒ Owner ☐ Tenant/Lessee
- Mailing Address 32650 480th Ave Elk Point State 57025
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 1.11 *CFS or 500 **GPM ***AF Total Acreage 80
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam /dugout or annual use if applicable)
3. Source of water supply Ground, well
4. Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) County Union
NW 1/4 NW 1/4 sec 31 91-48 Lot 4
5. County or counties where water will be used Union
6. Annual period during which water is to be used May 1 - Sept 30
7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

NW 1/4 sec 31 91-48	40	<u>N 1/2</u>	
SW 1/4 sec 31 91-48	40	<u>Lot 4 NW 1/4 Sec 31 91-48</u>	<u>60</u>
SW 1/4 sec 30 91-48	40	<u>Lot 2, SW 1/4 Sec 30 91-48</u>	<u>20</u>
NW 1/4 Lot 4 sec 31 91-48	60	<u>S 1/2</u>	

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

center pivot used to irrigate corn and soybeans
will need approx 500 gals/min to run pivot covering approx 80
square acres less the corners.

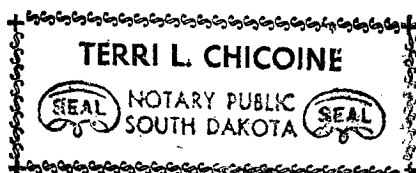
STATE OF SOUTH DAKOTA)
County of Union) SS

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, Brian Chicoine, 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 Brian Chicoine

Subscribed and sworn to before me this 26 day of MARCH 20 04



Terri L. Chicoine
Notary Public signature

RECEIVED

MAR 29 2004

WATER RIGHTS
PROGRAM

SOUTH DAKOTA
WATER PERMIT NO. 6488-3

Date of first receipt of application March 19, 2004.

Date of return to applicant for corrections, amendments or changes March 23, 2004.

Date of receipt of corrected application March 29, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6488-3 to Brian Chicoine, 32650 480th Ave, Elk Point SD 57025 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. 6488-3 appropriates 1.11 cubic feet of water per second (cfs) from one well (Missouri Elk Point Aquifer) 120 feet deep located in the NW ¼ NW ¼ (Lot 4) Section 31 to irrigate 80 acres located in the N ½ NW ¼ (Lot 4) Section 31 and the S ½ SW ¼ (Lot 2) Section 30; all in T91N-R48W. A portion of these acres are authorized by Water Right No. 5760-3 to be irrigated from the Big Sioux River.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is March 19, 2004.
4. The date of approval of Permit No. 6488-3 is May 17, 2004.
5. One-fifth of the construction is to be completed on or before November 17, 2006.
6. All construction is to be completed on or before May 17, 2009.
7. Water is to be put to beneficial use on or before May 17, 2013.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

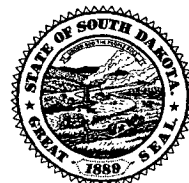
QUALIFICATIONS

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. 6488-3 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) from the producing formation to the surface pursuant to Section 74:02:04:28.
3. The diversions authorized by Water Right No. 5760-3 and Water Permit No. 6488-3, combined, shall not exceed the statutory limit of 1 cfs per 70 acres and 2 acre feet per acre.
4. 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 30 2004
date



(type or print in ink)

1. Well Information - Proposed Construction

?

- a) Drill Hole Diameter 12" Depth 120'
- b) Casing Type plastic Diameter 8" Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
- On applicants property 2400' On property owned by others 3000'

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) N/A
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

3. Dugout Information

- a) Surface Dimensions N/A Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

N/A

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:

[Redacted area]

[Redacted area]

- 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 22, 20 04

RECEIVED OF Brian Chicoine, 32650 480th Ave., Elk Point SD 57025-6833

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

Fee for Application for Permit No. <u>6488-3</u> to Appropriate Water, to construct and to put water to beneficial use	225	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>6488-3</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. <u>6488-3</u> for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	275.00

No.

001246

By

Darland Erbe
Chief Engineer *gm*

UNION COUNTY FSA OFFICE

Post Office Box 460

ELK POINT, SOUTH DAKOTA 57025-0460

NOT TO SCALE



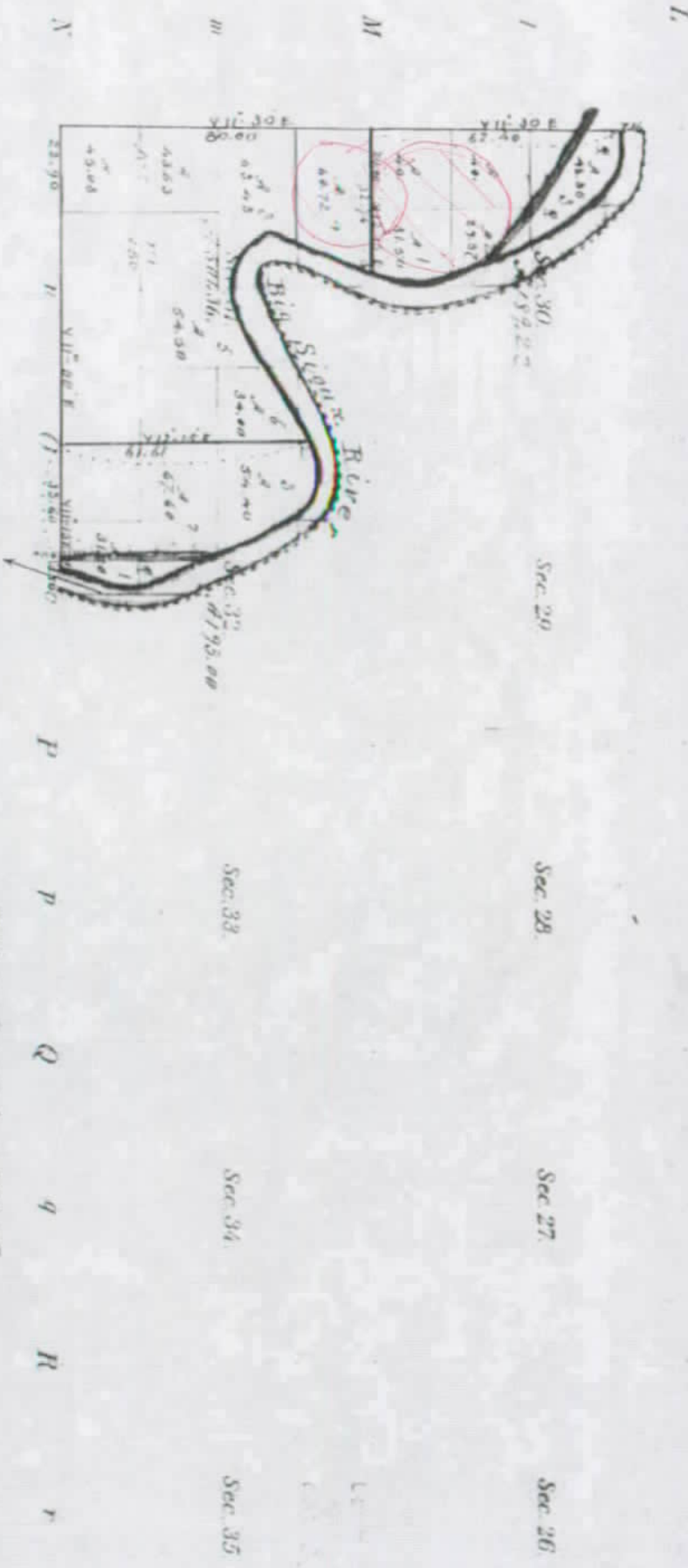
Union County FSA
1101 E Main St.
PO Box 460
Elk Point, SD 57025-0460

Harry D. Wilcox
CED
Union Co FSA

NOT TO SCALE

003

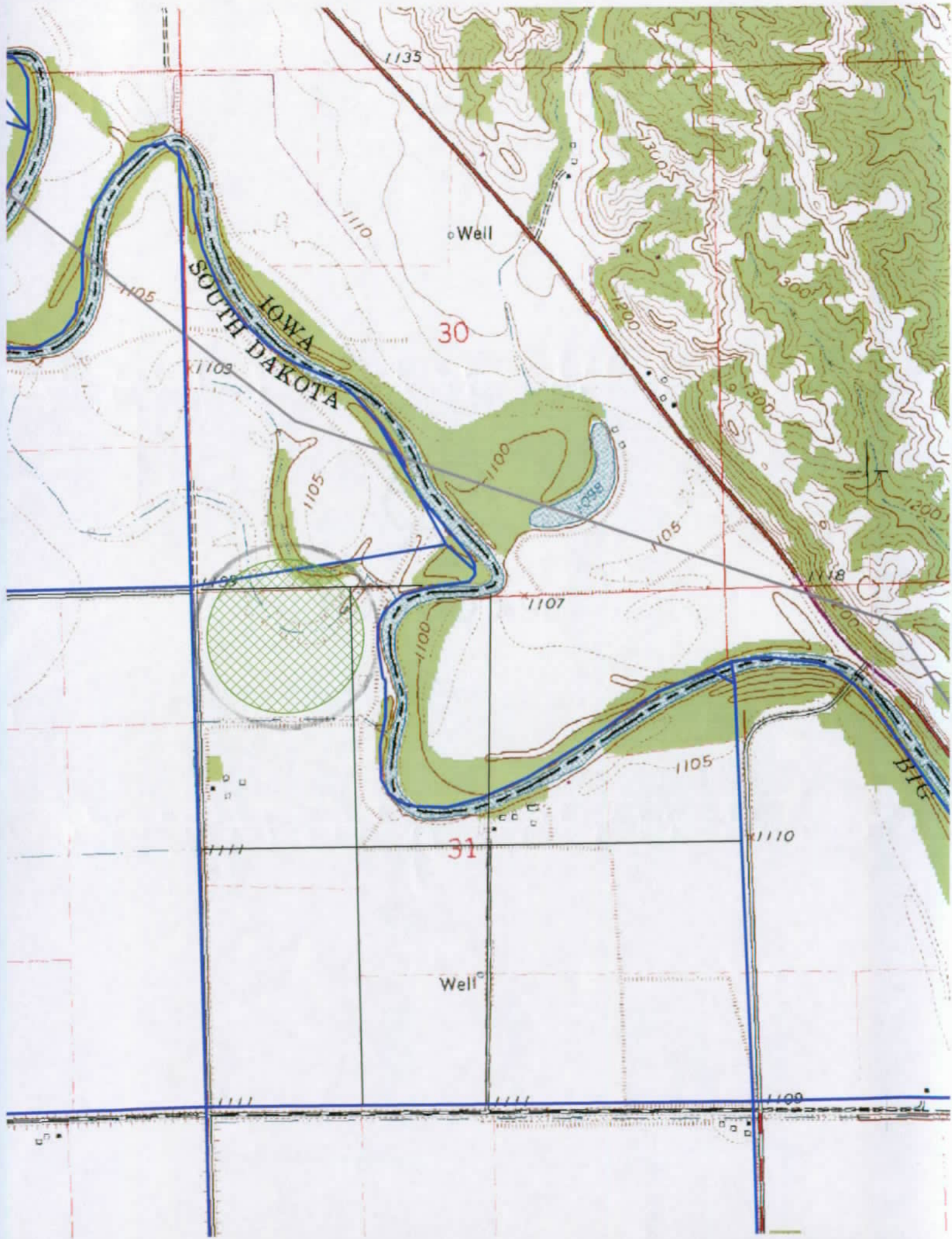




Total number of Acres 333.55

Surveyors Designated	By Whom Surveyed	Date of Contract	Amount of Survey	When Surveyed
Township lines Subdivisions	John Ball	Aug 1st 1860	4 31 47	Sept 1861

The above map is
Principal
notes of the survey
Surveyed by
- J. Ball -





March 23, 2004

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Brian Chicoine
32650 480th Ave
Elk Point SD 57025

Dear Mr. Chicoine:

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 application. The bottom portion of the application must be signed and notarized.
- Item No. 2 of the application indicates the total acreage to be irrigated as 100 acres. The land outlined on the aerial photo map you submitted appears to be less than 100 acres. Enclosed is a computer generated topographic map prepared in our office. The program indicates the number of acres outlined would be approximately 43 acres.
 - N $\frac{1}{2}$ NW $\frac{1}{4}$ (Lot 4) Section 31 = 37 acres
 - S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 30 = 6 acres

Do you agree with these locations and acreage amounts? If so, the diversions rate of 600 gallons per minute (gpm) is greater than the statutory limit of 450 gpm per 70 acres. The statutory limit for 43 acres is 275 gpm. If the pivot requires more than the 275 gpm, please explain diversion rate requirements for the pivot.

- Please submit a well log or test hole log signed by a licensed South Dakota well driller.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352

enclosures

Karen Schlaak
Karen Schlaak
Environmental Scientist

REPORT ON WATER PERMIT APPLICATION NO. 6488-3

Brian Chicoine

April 9, 2004

Application No. 6488-3 proposes to appropriate 1.11 cfs (500 gpm) from one well approximately 120 feet deep located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ (Lot 4) of section 31 to irrigate 80 acres located in the N $\frac{1}{2}$ NW $\frac{1}{4}$ (Lot 4) of section 31 and the S $\frac{1}{2}$ SW $\frac{1}{4}$ (Lot 2) of section 30; all in T91N R48W in Union County.

AQUIFER – MISSOURI ELK POINT (M-EP)

The Missouri Elk Point is an alluvium mantled outwash (sand and gravel) that is artesian conditions at this site but predominantly under water table conditions throughout Union County. The aquifer underlies 180 square miles and contains an estimated 1.5 million acre-feet of water in storage in Union County (Niehus, 1994). The aquifer extends into Clay County to the west, blends into the Big Sioux South aquifer to the north and also blends into the Lower Vermillion Missouri aquifer to the northwest. The aquifer is also hydraulically connected to the Big Sioux and Missouri Rivers. The use of the term Missouri Elk Point as a management unit for the aquifer is equivalent to the Missouri aquifer as described by the Niehus report.

No test well information was supplied with this application, however, the applicant does have an existing irrigation well located about one-fourth mile north of this proposed well. This information combined with other irrigation and domestic well data for the area and the county study and observation well data provide sufficient information to evaluate this application.

The Water Rights Program monitors two observation wells within a two mile radius of this application. UN-77N is located about one mile west and UN-87C is located about one and one-half mile southeast both from this application. Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. Also there are obvious effects of pumping on the water level record as shown by some seasonal declines due to irrigation pumping in the immediate area. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2004). Hydrographs for these two observation wells are included with this report.

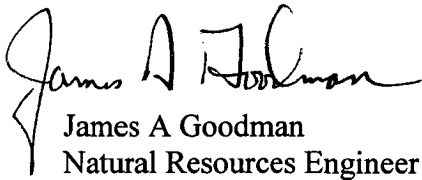
REVIEW OF EXISTING WATER PERMITS/RIGHTS

This area is intensively irrigated. There are eight irrigation wells located within one to one and one-half miles of this application. Interference is not a concern. Most of these wells have been used for many years with no apparent problems. The observation well hydrographs reinforce this conclusion. Also apparently, a portion of the lands requested by this application are already irrigated by Water Right No. 5760-3. Water Right No. 5760-3 authorizes a diversion rate of 0.48 cfs from the Big Sioux River to irrigate 33 acres. Either Water Right No. 5760-3 can be cancelled for abandonment, or the

combined diversion from this application and Water Right No. 5760-3 can not exceed two acre-feet per acre.

CONCLUSIONS

1. Water is available from the Missouri Elk Point aquifer.
2. The aquifer is under slight artesian conditions at this site. This is shown by the observation well hydrographs. However, pumping does not significantly affect water levels in the aquifer. Interference is not expected to be a problem.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. A portion of these requested lands are already irrigated by Water Right No. 5760-3. The combined diversion of this application and the existing water right can not exceed two acre-feet per acre.



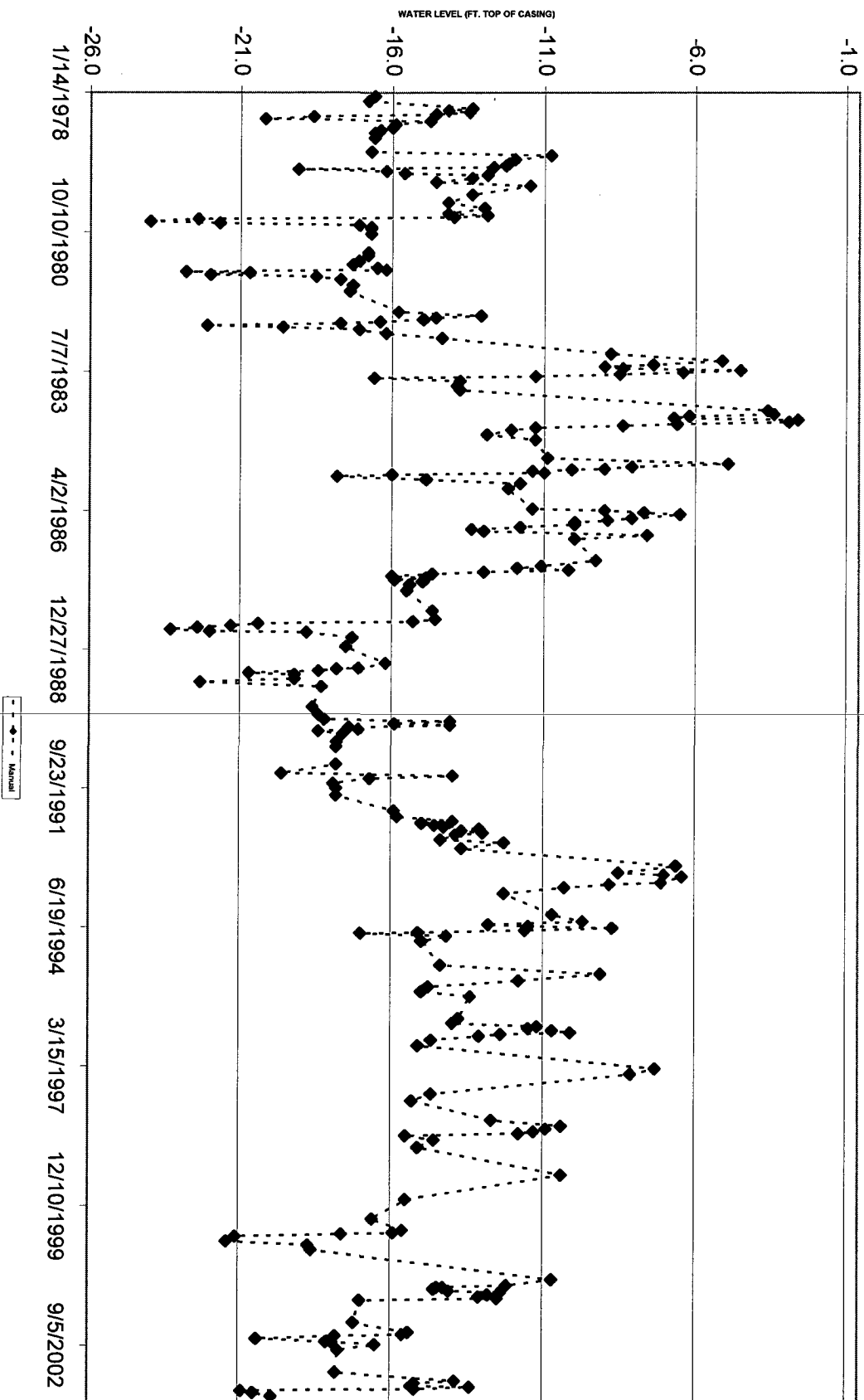
James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

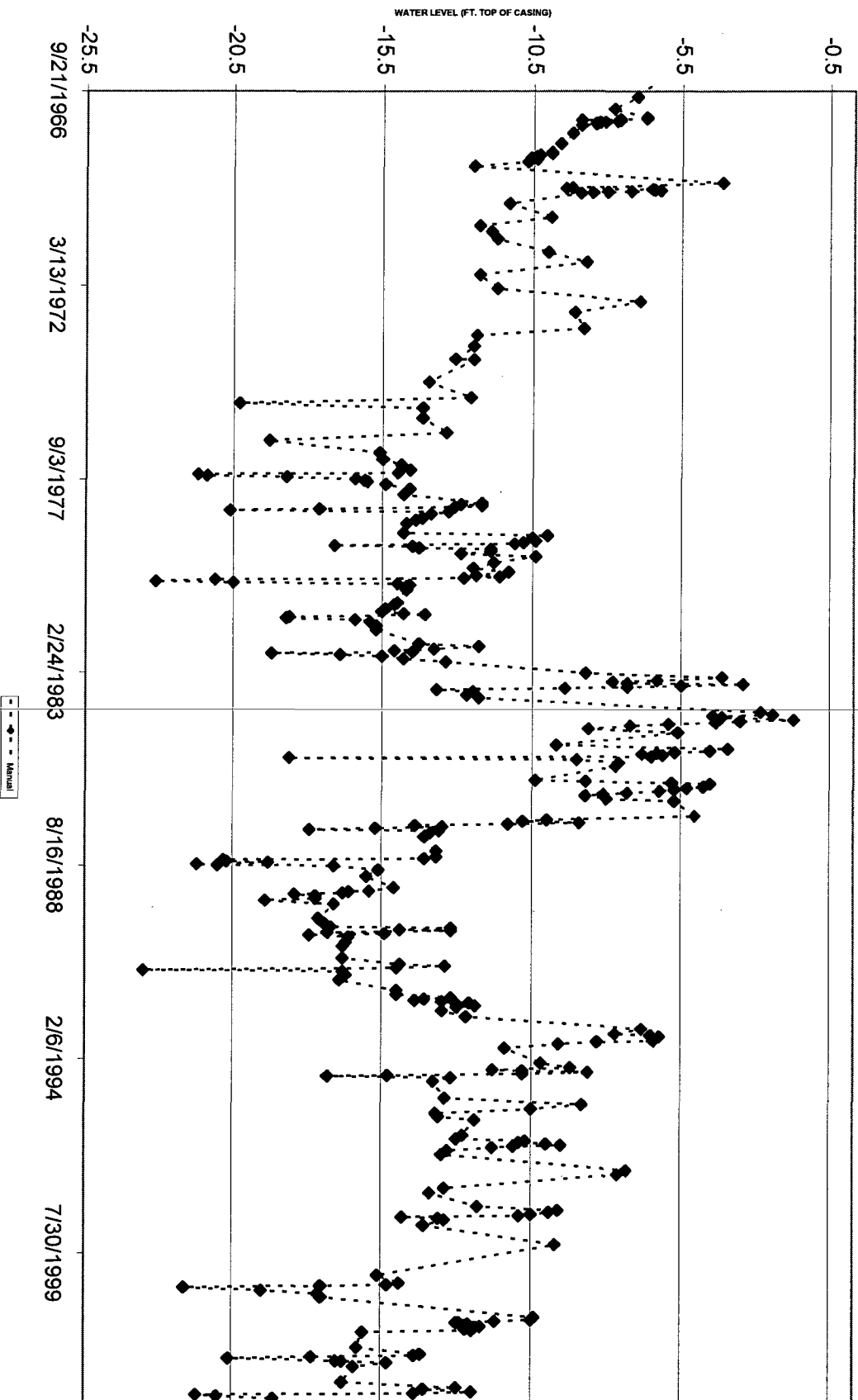
Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, Water Resources Investigations Report 93-4195, USGS, Rapid City, SD, 57702.

Water Rights, 2004, Unpublished Observation Well Data for Union County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
UN-77N



WATER RIGHTS' OBSERVATION WELL
UN-87C





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6488-3, Brian Chicoine**

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. 6488-3, Brian Chicoine, 32650 480th Avenue, Elk Point SD 57025.

The Chief Engineer is recommending APPROVAL of Application No. 6488-3 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. 6488-3 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) from the producing formation to the surface pursuant to Section 74:02:04:28.
3. The diversions authorized by Water Right No. 5760-3 and Water Permit No. 6488-3, combined, shall not exceed the statutory limit of 1 cfs per 70 acres and 2 acre feet per acre.
4. 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 19, 2004

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Union) SSI, Susan Odsom

certify that the attached printed Notice was taken

from the Leader-Courierprinted and published in Elk PointCounty of Union and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

April 29, 2004May 6, 2004Cost of Printing 39.87Susan Odsom
(Signature)Affidavits Coordinator
(Title)May 6, 2004
(Date Signed)**NOTICE OF APPLICATION
NO. 6488-3 TO
APPROPRIATE WATER**

Notice is given that Brian Chicoine, 32650 480th Ave, Elk Point, SD 57025 has filed an application for a water permit to appropriate 1.11 cubic feet of water per second (cfs) from one well (Missouri: Elk Point Aquifer) 120 feet deep located in the NW1/4 NW1/4 (Lot 4) Section 31 to irrigate 80 acres located in the N1/2 NW1/4 (Lot 4) Section 31 and the S1/2 SW1/4 (Lot 2) Section 30; all in T91N-R48W. A portion of these acres are authorized by Water Right No. 5760-3 to be irrigated from the Big Sioux River.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6488-3 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 the 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 the 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 17, 2004.

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.

Publish April 29 and May 6, 2004
18-1-71

RECEIVED

MAY 10 2004

WATER RIGHTS
PROGRAM



**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 19, 2004

Brian Chicoine
32650 480th Ave
Elk Point SD 57025

Dear Mr. Chicoine:

Water Permit Application No. 6488-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Leader-Courier printed at Elk Point, SD (Ph # 605-356-2632). 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 a 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 of Hearing 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 with the last publication to occur twenty days before the board meeting. 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.



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 19, 2004

Leader Courier
PO Box 310
Elk Point SD 57025-0310

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6488-3 to Appropriate Water to be published twice. Please publish the first notice on April 29, 2004 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 Brian Chicoine, 32650 480th Ave., Elk Point SD (Ph # 605-966-5271).

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. 6488-3

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

Date _____

We are in receipt of your letter of April 19, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6488-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on April 29, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6488-3 to Appropriate Water

Notice is given that Brian Chicoine, 32650 480th Ave, Elk Point SD 57025 has filed an application for a water permit to appropriate 1.11 cubic feet of water per second (cfs) from one well (Missouri Elk Point Aquifer) 120 feet deep located in the NW ¼ NW ¼ (Lot 4) Section 31 to irrigate 80 acres located in the N ½ NW ¼ (Lot 4) Section 31 and the S ½ SW ¼ (Lot 2) Section 30; all in T91N-R48W. A portion of these acres are authorized by Water Right No. 5760-3 to be irrigated from the Big Sioux River.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6488-3 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 the 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 the 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 17, 2004.

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JUN 30 2004

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Brian Chicoine
32650 480th Ave
Elk Point SD 57025

Dear Mr. Chicoine:

Enclosed is Water Permit No. 6488-3 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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

2024

Location <u>SW 1/4 NW 1/4</u> Sec <u>31</u> Twp <u>91N</u> Rg <u>48W</u> County <u>Union</u> 42.6581, -96.5639 North GPS Coordinates Lat: <u>N42° 39' 29.02"</u> Lon: <u>W-96 33' 50.07"</u> 33 W E Please mark well location with an "X" on section grid Well Completion Date <u>9/20/2024</u> Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.) <u>4000</u> ft. from <u>Septic System</u> (identify source)		Well Owner: <u>Corey Chicoine</u> Business Name: _____ Address: <u>32648 480th</u> City, State, Zip: <u>Elkpoint, SD 57025</u>																														
PROPOSED USE: ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Monitoring Well ☒ Irrigation ☐ Industrial ☐ Institutional ☐ Test Hole ☐ Dewatering Well ☐ Geothermal ☐ Other _____		WELL LOG: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">FORMATION</th> <th colspan="2">DEPTH</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td>Top Soil</td><td>0</td><td>4</td></tr> <tr><td>Brown clay</td><td>4</td><td>25</td></tr> <tr><td>Blue XXXX Sand</td><td>25</td><td>53</td></tr> <tr><td>Dirty Sand</td><td>53</td><td>57</td></tr> <tr><td>Med to coarse Gravel</td><td>57</td><td>63</td></tr> <tr><td>Med Sand</td><td>63</td><td>73</td></tr> <tr><td>Very Coarse Gravel</td><td>73</td><td>98</td></tr> <tr><td>Coarse Sand + Fine Gravel</td><td>98</td><td>105</td></tr> </tbody> </table>		FORMATION	DEPTH		FROM	TO	Top Soil	0	4	Brown clay	4	25	Blue XXXX Sand	25	53	Dirty Sand	53	57	Med to coarse Gravel	57	63	Med Sand	63	73	Very Coarse Gravel	73	98	Coarse Sand + Fine Gravel	98	105
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GROUTING DATA: Grout Type <u>Cement</u> No. of Sacks <u>70</u> Grout Weight <u>0</u> Lb/gal From <u>0</u> Ft To <u>25</u> Ft Describe grouting procedure <u>Pumped down w / pressure Grouter</u>		WELL TEST DATA: aquifer material update per driller 10/9/2024 ☒ Pumped Describe: _____ ☐ Bailed ☐ Air -AWM ☐ Other _____ Pumping Level Below Land Surface <u>43</u> Ft. After <u>2</u> Hrs. pumped <u>850</u> GPM _____ Ft. After _____ Hrs. pumped _____ GPM If pump installed, pump rate: <u>600</u> GPM																														
SCREEN: ☐ Perforated pipe ☒ Manufactured Diameter <u>16</u> Inches Length <u>40</u> Feet Material <u>PVC</u> Slot Size <u>.050</u> Set From <u>50</u> Feet to <u>90</u> Feet Other information _____		RECEIVED OCT 09 2024 OFFICE OF WATER																														
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? <u>Chlorine</u> ☐ No, Why Not? _____ Lab sample sent to for water quality analysis _____		This well was drilled under license # <u>444</u> And this report is true and accurate. Drilling firm: <u>Christensen Well & Irrigation</u> Signature of License Representative: <u>Carl Cothran</u> Signature of Well Owner or Equitable Property Holder: _____ Date: _____																														

Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501