

WATER PERMIT NO. 6411-3

Name of Applicant: Brad Jongeling

Address: RR 2 Box 81, Castlewood SD 57223 Phone: 605 873-2853

Amount of Water Claimed: 1.78 cfs Total Acres: 160

Source of Water Supply: groundwater

Water to be used for: irrigation County: Hamlin

Type of Waste Disposal System:

Location: 5 miles west of Estelline

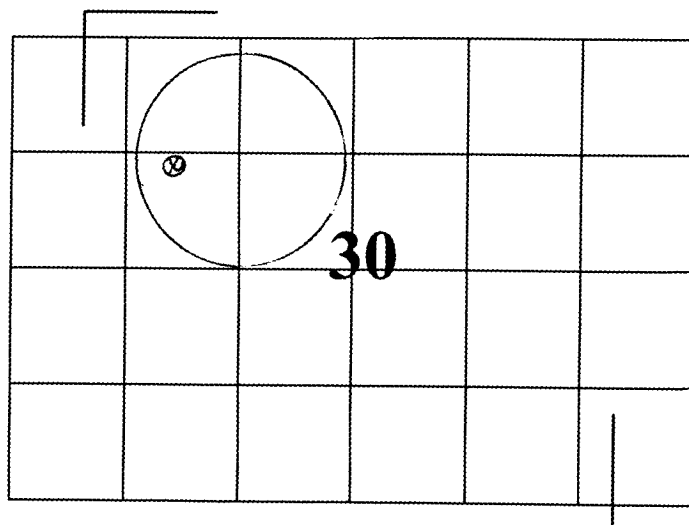
PRIORITY Date Received: 4-11-03 Application/License Fee: \$300

Corrected Application Received: Period of Annual Use: May 1 – October 31

Remarks:

Diversion Point: SW ¼ NW ¼ Sec 30-T113N-
R51W

Land to be Irrigated: NW ¼ Sec 30-T113N- R51W



Depth of Well: 70 feet deep

Well Driller: : Pullman Well Drilling

Remarks:

Type of Map: aerial

Prepared by: Craig Olson, NRCS

Reviewed and the Number Assigned on: 4-14-03

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6411-3</u>	(office use only) Hydrologic Unit <u>10170202</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Estelline Journal, Estelline</u>	

RECEIVED
APR 14 2003
WATER RIGHTS
PROGRAM

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 Brad Jongeling Phone 605-873-2823
Mailing Address RR3, Box 87, Castlewood State SD 57223
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 160 A
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acres - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Hamlin
410 ft from west side 1300 ft from the north side between
(SW1/4 and the NW1/4) of section 30 T123 R51
- County or counties where water will be used Hamlin
- Annual period during which water is to be used May - October 31
- 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
SW1/4 of NW1/4 Sect. 30 T113	R51		40
SE1/4 of NW1/4 Sect. 30 T113	R51		40
NE1/4 of NW1/4 Sect. 30 T113	R51		40
NW1/4 of NW1/4 Sect. 30 T113	R51		40

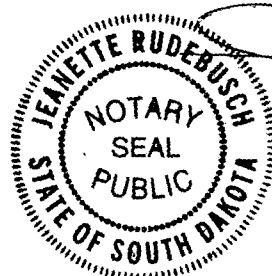
8. Give a description of the project. (Attach sheet if more space is needed)

STATE OF SOUTH DAKOTA)
County of Hamlin 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, Brad Jongeling, 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 Brad Jongeling
Subscribed and sworn to before me this 18 day of April 20 03



Notary Public signature Jenette Rudebusch

My Commission Expires January 9, 2005

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 16" Depth 70ft
- b) Casing Type 16" pvc Diameter 16" Thickness 1/2
- c) Screen Type 55 Diameter 16" Thickness 1/4
- d) Gravel Pack 3/16 by 1/4 Length of Gravel Pack 35ft
- e) Depth to Top of Water Bearing Material 40ft
- f) Depth to Water (ground surface to water level) 19ft
- g) Distance to nearest existing domestic well:
- On applicants property _____ On property owned by others 2000ft

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

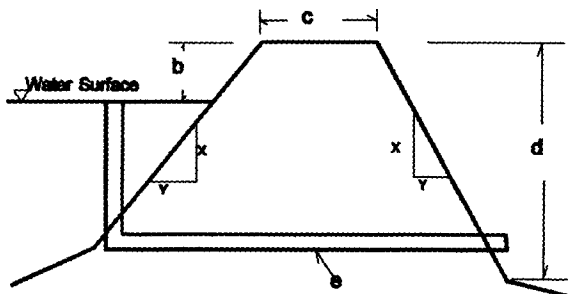
3. Dugout Information

- 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

**SOUTH DAKOTA
WATER PERMIT NO. 6411-3**

Date of first receipt of application April 14, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6411-3 to Brad Jongeling, RR-2, Box 81, Castlewood SD 57223 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. 6411-3 appropriates 1.78 cubic feet of water per second from one well (Big Sioux: Brookings Aquifer) 68 feet deep located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 30 to irrigate 160 acres located in the NW $\frac{1}{4}$ Section 30; all in T113N-R51W.
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 – October 31.
3. The date from which applicant may claim right is April 14, 2003.
4. The date of approval of Permit No. 6411-3 is July 14, 2003.
5. One-fifth of the construction is to be completed on or before January 14, 2006.
6. All construction is to be completed on or before July 14, 2008.
7. Water is to be put to beneficial use on or before July 14, 2012.
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. 6411-3 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.

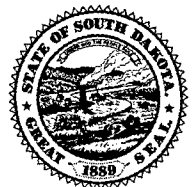
WATER MANAGEMENT BOARD

By: Garland Erbele

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

AUG 04 2003

date

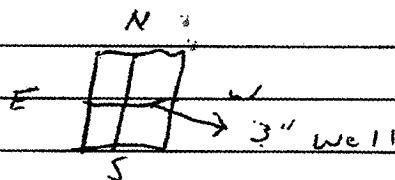


PULLMAN DRILLING, INC. - DRILLER'S LOG

(605) 883-4532
1-800-451-4884

Brad Jongeling JOB NAME	Estimate S.D. Castelwood LOCATION	4-1-03 DATE	11 RIG NO	Paul Hobe FOREMAN
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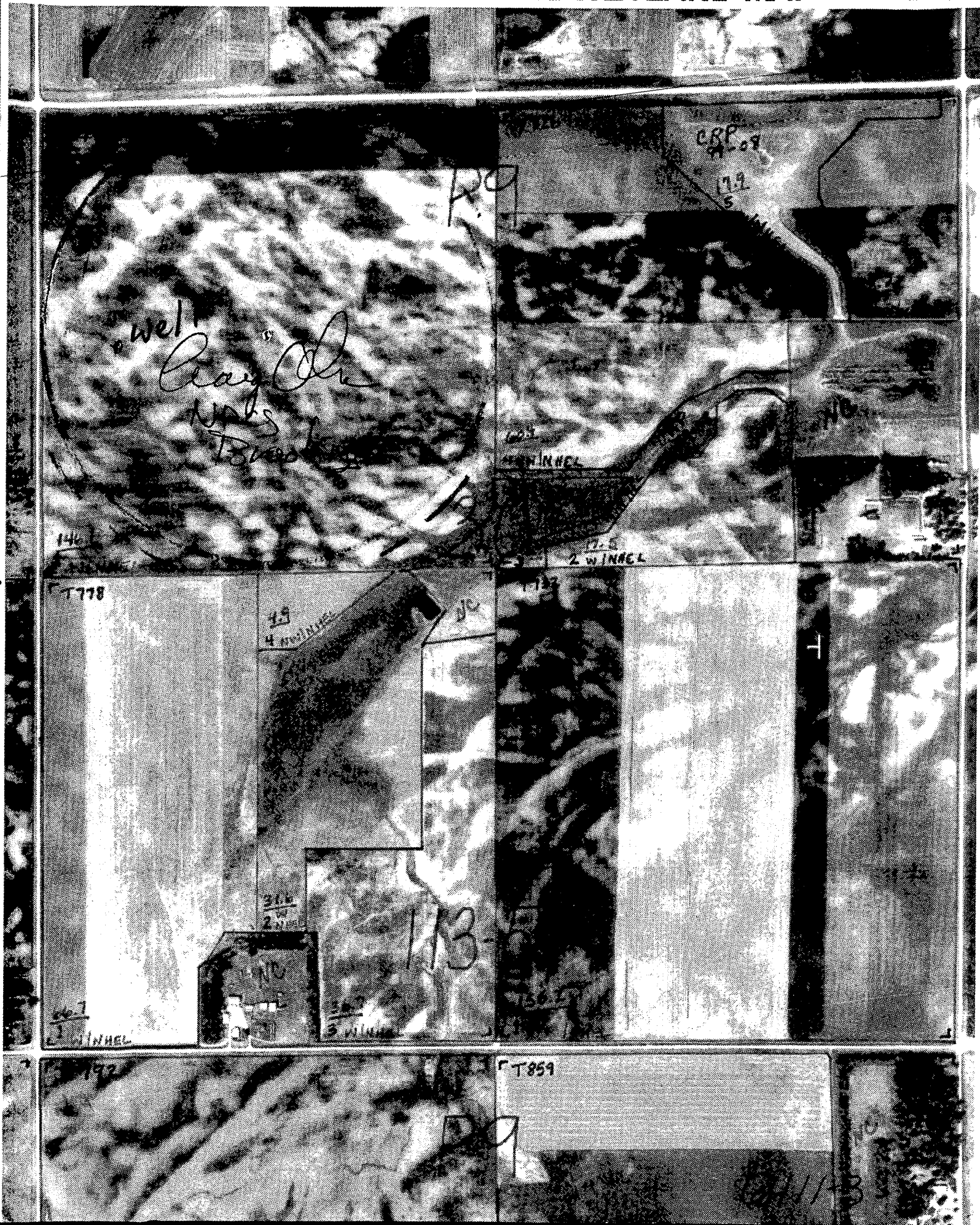
Jt No	DEPTH	TIME	REMARKS
1	20		0-4 Yellow clay 4-18 Yellow gravel 18-20 Blue clay
2	40		20-31 Yellow gravel 31-34 Blue clay 34-40 Coarse sand
3	60		40-60 Coarse sand w/ gravel
4	70		60-68 Coarse sand 68-70 Blue clay
5			
6			
7			
8			3" Well
9			T.D. 70'
10			20' 3" .016 slotted
11			50' 3" blank
12			Pumped w/air 40 G.P.M.
13			Water head 19'
14			
15			
16			
17			
18			
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33			



Paul Hobe

MAP NOT TO B SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP

2002



RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date April 14, 20 03

RECEIVED OF Ronald Jongeling, 45950 191st St., Castlewood SD 57223

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

Fee for Application for Permit No. <u>6411-3</u> to Appropriate Water, to construct and to put water to beneficial use	250	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>6411-3</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	300.00

No.

000759

By

Darland Erbe
Chief Engineer
gm

REPORT ON WATER PERMIT APPLICATION NO. 6411-3

For Brad Jongeling

May 13, 2003

Application No. 6411-3 proposes to appropriate 1.78 cfs (800 gpm) from one well approximately 68 feet deep located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of section 30 to irrigate 160 acres located in the NW $\frac{1}{4}$ of section 30; all in T113N R51W in Hamlin County.

AQUIFER – BIG SIOUX BROOKINGS (BS-B)

The Big Sioux Brookings is a surficial outwash (sand and gravel) which is under water table conditions in this area. The aquifer underlies 113,920 acres and contains an estimated 480,000 acre-feet of water in storage in Hamlin County (Kume, 1985). The aquifer extends into Codington County to the north, Deuel County to the east, and into Brookings County to the south. The aquifer is also hydraulically connected to some area lakes and to the Big Sioux River which usually are discharge zones for the aquifer. In other words, generally the ground water levels are above the lake or river creating a gradient toward the discharge zone. Recharge to the water table portion of the aquifer has been estimated to approach 6.57 inches per year (Koch, 1980). This would equate to an annual recharge volume of about 62,000 acre-feet. The water use from the Big Sioux Brookings aquifer for Hamlin County has probably never exceeded 6,000 acre-feet included domestic, municipal and rural water system use.

A test hole log provided by the applicant, indicates sand and gravel beginning at a depth of about 4 feet below land surface and extending to a depth of 68 feet. There were a couple of layers of clay in this sequence from 18 to 20 feet and 31 to 34 feet which should not matter in the overall scheme of things. The test data indicates good potential for development of a high capacity well at this site.

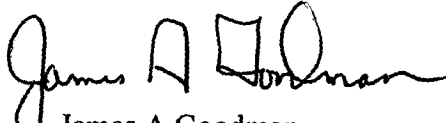
The Water Rights Program monitors an observation well, HN-77G, located immediately north of this application. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. A hydrograph for this well is included with this report. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2003).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The nearest existing water right/permit is located about two miles northwest of this application. There are two new water permit application which will be located about one mile east and one mile south of this application. Interference is not a concern. There is sufficient distance between wells to minimize any potential effects. Besides, in this type of aquifer drawdown created by pumping does not extend very far from individual production wells. This is shown by the observation well hydrograph.

CONCLUSIONS

1. Water is available from the Big Sioux Brookings aquifer.
2. The aquifer is under predominantly water table conditions in the area. Drawdown created by pumping is not expected to be significant. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.



James A Goodman
Natural Resources Engineer

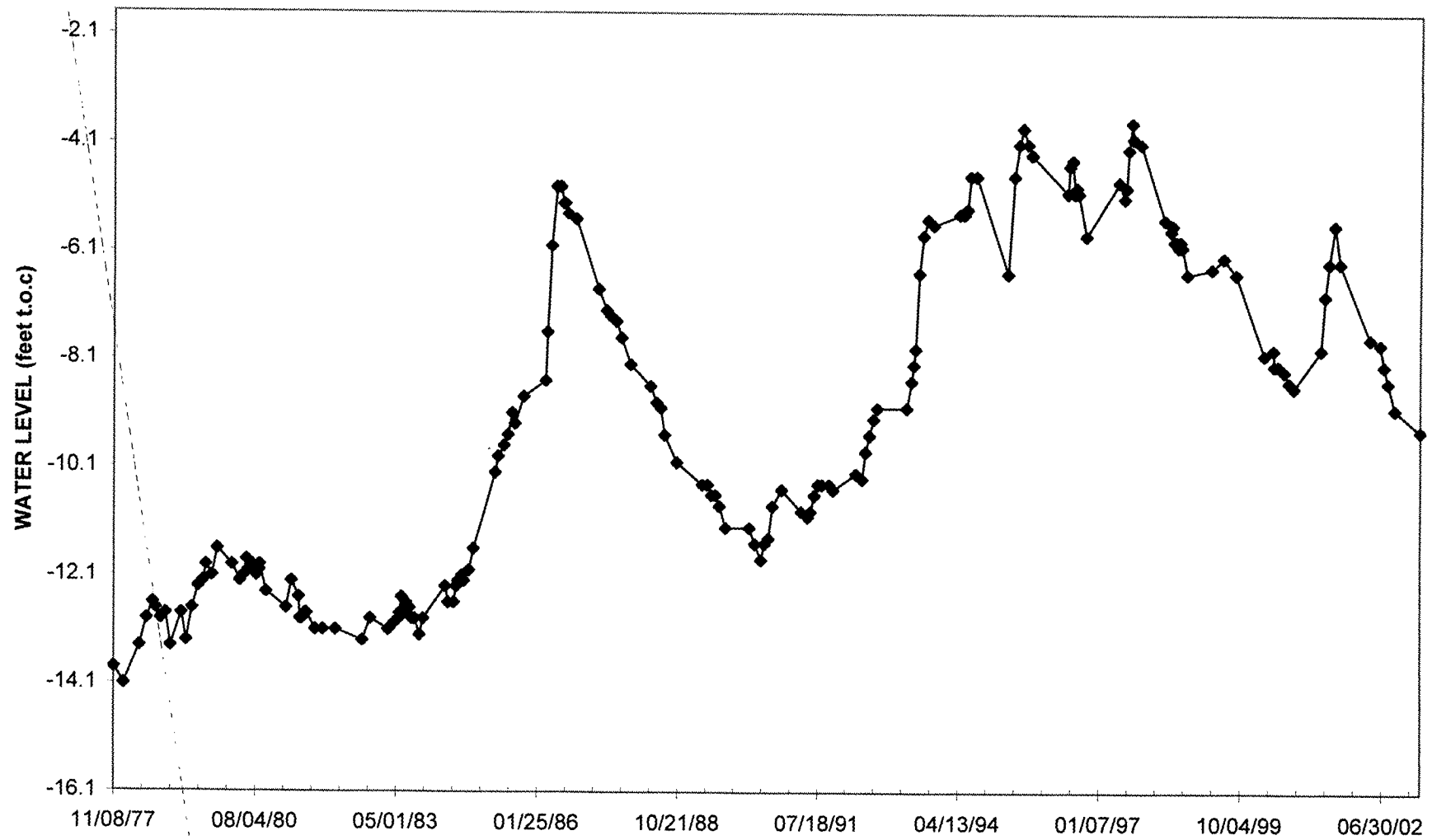
BIBLIOGRAPHY

Koch, N.C., 1980, Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota, WRI 80-100, USGS, Huron, SD, 57350.

Kume, J, 1985, Water Resources of Deuel and Hamlin Counties, South Dakota, WRI 84-4069, USGS, Huron, SD, 57350.

Water Rights, 2003, Unpublished Observation Well Data for Hamlin County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
HN-77G



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Hamlin) SSI, Lee Anne Archer

certify that the attached printed Notice was taken

from the The EstellineJournalprinted and published in ~~Hamlin~~ EstellineCounty of Hamlin and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

June 25, 2003July 2, 2003Cost of Printing \$ 38.57Lee Anne Archer
(Signature)Owner
(Title)7/2/03
(Date Signed)NOTICE OF APPLICATION
NO. 6411-3 TO
APPROPRIATE WATER

Notice is given the Brad Jongeling, RR 2 Box 81, Castlewood SD 57223, has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well (Big Sioux Brookings Aquifer) 68 feet deep located in the SW 1/4 NW 1/4 Section 30 to irrigate 160 acres located in the NW 1/4 Section 30; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, The Chief Engineer recommends APPROVAL of Application No. 6411-3 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 Right Program, Foss Building, 523 East Capitol, Pierre, SD 57501 or (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 July 14, 2003.

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 above 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
DENR
(publish June 25 and July 2, 2003)

13

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JUL - 3 2003

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

June 18, 2003

Estelline Journal
214 Main St.
Estelline SD 57234-0159

ATTENTION: Legal Public Notice

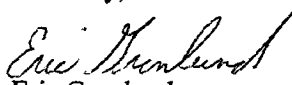
Enclosed is a Notice of Hearing on Application No. 6411-3 to Appropriate Water to be published twice. Please publish the first notice on June 25, 2003 with the second publication 7 days later.

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 Brad Jongeling, RR 2 Box 81, Castlewood SD (Ph # 605-873-2853).

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. 6411-3

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

Date _____

We are in receipt of your letter of June 18, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6411-3 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.

June 18, 2003

Brad Jongeling
RR 2 Box 81
Castlewood SD 57223

Dear Mr. Jongeling:

Water Permit Application No. 6411-3 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 Estelline Journal printed at Estelline, SD (Ph # 605-873-2475). 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.

Instruction to Newspaper - Publish first Notice on June 25, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6411-3 to Appropriate Water

Notice is given that Brad Jongeling, RR 2 Box 81, Castlewood SD 57223 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well (Big Sioux Brookings Aquifer) 68 feet deep located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 30 to irrigate 160 acres located in the NW $\frac{1}{4}$ Section 30; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6411-3 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 July 14, 2003.

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.



AUG 04 2003

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Brad Jongeling
RR 2 Box 81
Castlewood SD 57223

Dear Mr. Jongeling:

Enclosed is Water Permit No. 6411-3 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,

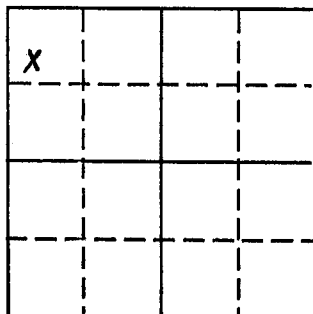
Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

6411-3
11 02Location NW ¼ NW ¼ Sec 30 Twp 113 Rg 51County
Hamlin

North

Please mark well
location with an "X"

Well Completion Date

10/31/2003

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	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
	16.00	0.0	53.0	24.00
	IN	FT	FT	IN
	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	0.0 Ft	20.0 Ft
Cement	10			
		Lb/gal	Ft	Ft

Describe grouting procedure
Line _____

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 15.0 FeetMaterial Stainless SteelSlot Size .057 Set From 53.0 Feet to 68.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Pea Rock

Describe packer(s) and location

Pea Rock @53

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets
☐ No, Why Not? _____
 Lab sample sent to for
water quality analysis
Well Owner: Brad Jongeling

Business Name: _____

Address: Rr2 Box 81City, State, Zip: Castlewood SD 57223

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Clay	0	4
Yellow Gravel	4	18
Blue Clay	18	20
Yellow Gravel	20	31
Blue Clay	31	34
Coarse Gravel	34	40
Sand & Gravel	40	68
Blue Clay	68	70

STATIC WATER LEVEL

18

FEET

If flowing: closed in pressure _____

GPM flow _____ through _____ with 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

55 Ft. After 6 Hrs. pumped 900 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

JAN 14 2004

WATER RIGHTS
PROGRAMThis well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Well Drilling Inc

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

11-04

Permit No. 6411-3
Sioux 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, **May 13, 2008**, made a thorough examination of the water use system constructed by **Brad Jongeling** of **18995 461st Ave. Estelline, SD 57234** holder of Permit No. **6411-3**, bearing the priority of **April 14, 2003** authorizing the diversion of **1.78** cu. ft. per second of the waters of **Big Sioux:Brookings Aquifer** for **Irrigation** purposes, in **Hamlin** County.

Inspection contact & relationship **Brad Jongeling**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Pullman Well Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **70** feet
- 4) Well log is available **Y**
- 5) Comment:

Casing:

- 1) Diameter **16** inches
- 2) Length **53** feet
- 3) Type **Plastic**

Screen:

- 1) Type **Stainless steel**
- 2) Length **15** feet
- 3) Static water level **18** feet

Pump:

- 1) Make **WLR Lineshaft Turbine**
- 2) Capacity **800** GPM

Motor:

- 1) Make **US Motor**

2) Model **BF54A**

3) HP **50**

B. Works used to apply water to beneficial use:

Center pivot:

1) Make **Valley**

2) Number of towers **7**

3) End gun **Y**

4) High or low pressure **Low**

Chemigation Equipment:

1) Does chemigate **N**

C. Compliance with Permit Requirements:

1) Permit qualifications being abided by **Y**

2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **Y**

3) Exceptions to compliance are: **None**

The system is in **Good** condition with the point(s) of diversion located as follows:

Approximately 1360 feet south and 365 feet east of the NW corner of Section 30-T113N-R51W.

(N 44.56871, W -97.00543) (SW ¼ NW ¼)

The works are capable of diverting and conveying to the place of use **1.78** cu. ft. per second of water which is to be used for **Irrigation**. Water has been put to beneficial use to the maximum extent as follows:

Section 30-T113N-R51W

NW ¼ NW ¼ - 33 acres

NE ¼ NW ¼ - 33 acres

SW ¼ NW ¼ - 33 acres

SE ¼ NW ¼ - 33 acres

comprising a total of **132** acres of land and the license should be issued for **1.78** cfs.

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

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



Mike DeFea

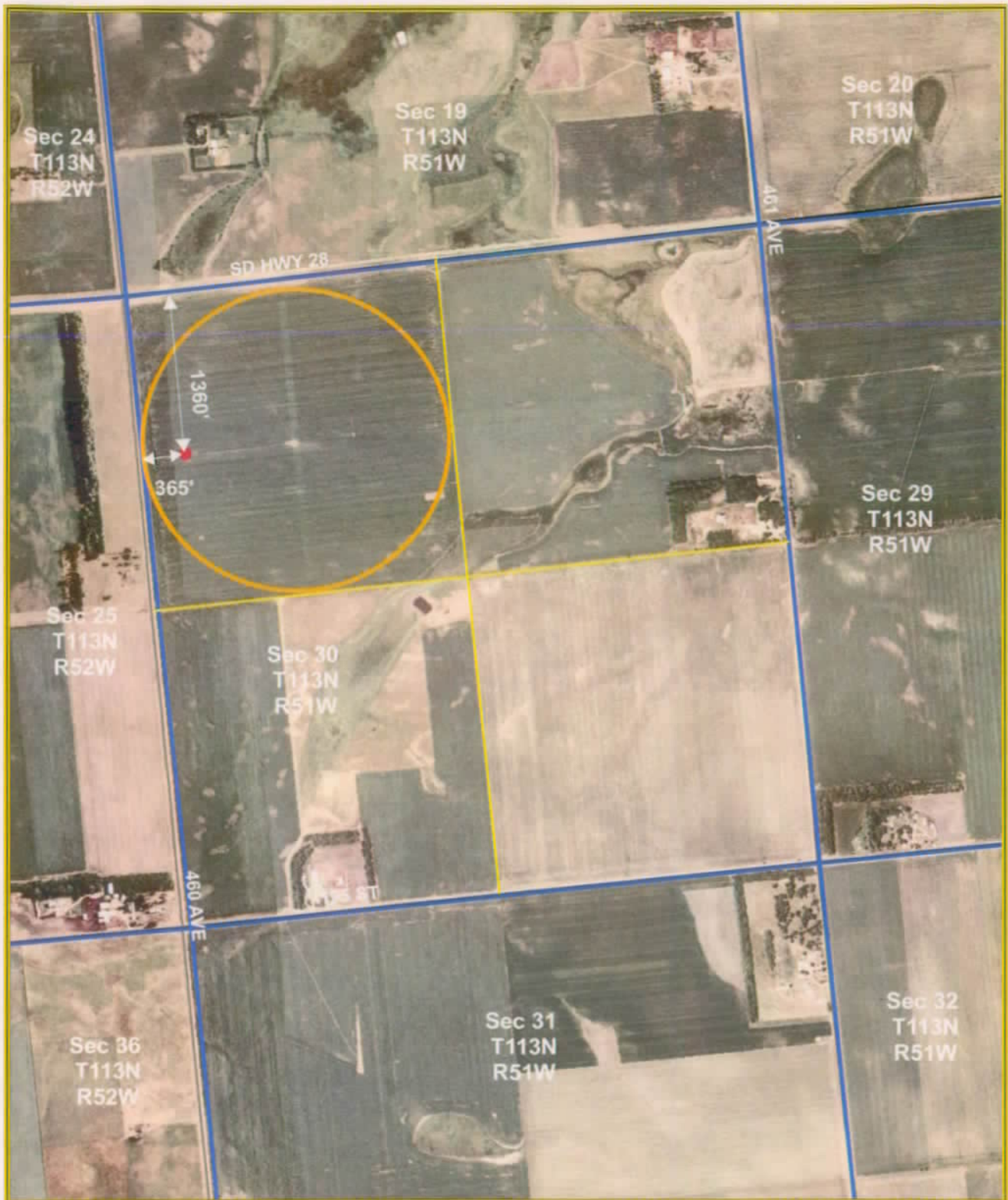
Natural Resources Engineer

DENR, Water Rights Program

Date report completed: **March 19, 2009**

Water Permit No. 6411-3

Brad Jongeling



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
March 19, 2009

0 950 1,900 3,800 Feet



South Dakota
Department of Environment
& Natural Resources
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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 15 2009

6411-3

Brad Jongeling
18995 461st Ave
Estelline SD 57234

Dear Mr. Jongeling:

Enclosed is your Water License No. 6411-3. This is the final water right document completing your process of obtaining a Water Right. Included with the 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. 6411-3, 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,

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

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6411-3

(1) Brad Jongeling, 18995 461st Ave., Estelline SD 57234 made Application No. 6411-3, April 14, 2003 for a water permit to divert 1.78 cubic feet of water per second from ground water (one well – Big Sioux Brookings Aquifer), Hamlin County, South Dakota for irrigation purposes. Permit No. 6411-3, with a priority date of April 14, 2003 was approved July 14, 2003 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 14, 2008 and for the application to beneficial use of said water on or before July 14, 2012.

(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 1.78 cubic feet of water per second for beneficial use. The location of the diversion point is approximately 1,360 feet south and 365 feet east of the NW corner of Section 30, T113N, R51W (SW ¼ NW ¼).

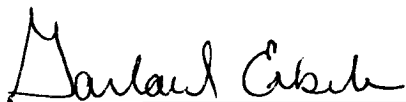
(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

T113N, R51W Section 30	NW ¼ NW ¼	33 acres
	NE ¼ NW ¼	33 acres
	SW ¼ NW ¼	33 acres
	SE ¼ NW ¼	33 acres
	Total	132 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Brad Jongeling, 18995 461st Ave., Estelline SD 57234 the holder and/or owner of Water Right No. 6411-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from ground water (one well – Big Sioux Brookings Aquifer) with a priority date of April 14, 2003 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. 6411-3 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 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 wells authorized by Permit No. 6411-3 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. *(The well was drilled by Pullman Well Drilling and a copy of the log is on file with the Water Rights Program.)*
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



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

JUN 15 2009

date

