

WATER PERMIT NO. 6968-3

Name of Applicant: Roger Blake

Address: 46362 295th St, Centerville SD 57014

Phone: 605 563-2101

Amount of Water Claimed: 1.78 cfs

Total Acres: 160

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Turner

Type of Waste Disposal System:

Location: 5 miles north of Centerville

PRIORITY

Date Received: 2-1-08

Application/License Fee: \$300

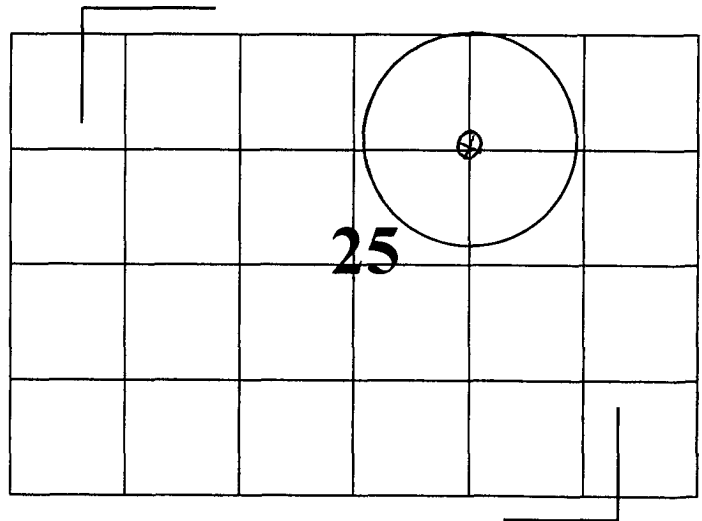
Corrected Application Received: 2-13-08

Period of Annual Use: June 1 – September 30

Remarks:

Diversion Point: center NE ¼ Sec 25-T96N-R52W

Land to be Irrigated: NE ¼ Sec 25-T96N-R52W



Depth of Well: 130 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by: Morris Miller, Turner Co FSA

Reviewed and the Number Assigned on: 2-13-08

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

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

Originally received: Feb 1, 2008

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6968-3</u> (office use only) Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Vibora Enterprise/Hurley Leader</u>
	<u>605-786-7827</u> <u>PO Box 398</u> <u>Vibora 57870</u>

RECEIVED
FEB 13 2008

WATER RIGHTS
SECTION

Application For Permit To Appropriate Water For Irrigation

Type of Application: X 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 Roger Blake Phone 605 563-2101

(check one) Owner Tenant/lessee

Mailing Address 46362 295 St, Centerville State SD 57014-6701

(Street, RR, or Box and City)

(Zip Code)

2. Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater (one well)

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

Approximate center of the NE 1/4 Sec 25-T96N-R52W

County Turner

5. County or counties where water will be used Turner

6. Annual period during which water is to be used June 1 - September 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)

Land Description	Acres	Land Description	Acres
NE 1/4 Sec 25-T96N-R52W	160		

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

Irrigate one complete circle.

STATE OF SOUTH DAKOTA) SS

County of Turner

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, Roger Blake, 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 Roger Blake

Subscribed and sworn to before me this 11th day of February 2008

Shandra D Rederson

Notary Public signature

my commission expires 04-30-09

SOUTH DAKOTA
WATER PERMIT NO. 6968-3

Date of first receipt of application February 1, 2008.

Date of return to applicant for corrections, amendments or changes February 4, 2008.

Date of receipt of corrected application February 13, 2008.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6968-3 to Roger Blake, 46362 295th St, Centerville SD 57014 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. 6968-3 appropriates 1.78 cubic feet of water per second from one well to be completed into the Upper Vermillion:Missouri Aquifer (approximately 130 feet deep) located in the center of the NE 1/4 Section 25 to irrigate 160 acres located in the NE 1/4 Section 25; all in T96N-R52W.
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: June 1 – September 30.
3. The date from which applicant may claim right is February 1, 2008.
4. The date of approval of Permit No. 6968-3 is April 14, 2008.
5. One-fifth of the construction is to be completed on or before October 14, 2010.
6. All construction is to be completed on or before April 14, 2013.
7. Water is to be put to beneficial use on or before April 14, 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. 6968-3 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 07 2008
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction center of NE ¼ Sec 25-T96N-R52W

- a) Drill Hole Diameter 30" Depth 130'
- b) Casing Type PVC Diameter 16" Thickness 5/16"
- c) Screen Type PVC Perf/slotted Diameter 16" Thickness 5/16"
- d) Gravel Pack Peat rock Length of Gravel Pack 130'
- e) Depth to Top of Water Bearing Material 60'
- f) Depth to Water (ground surface to water level) 70'
- g) Distance to nearest existing domestic well:
- On applicants property _____ On property owned by others ½ mile

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

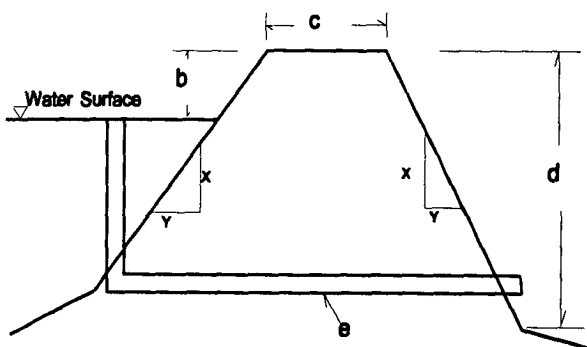
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

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



Automatic Irrigation Inc.



1111 Railway Street
Centerville, SD 57014
(605) 563-2649 office

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FEB - 1 2008

WATER RIGHTS
PROGRAM

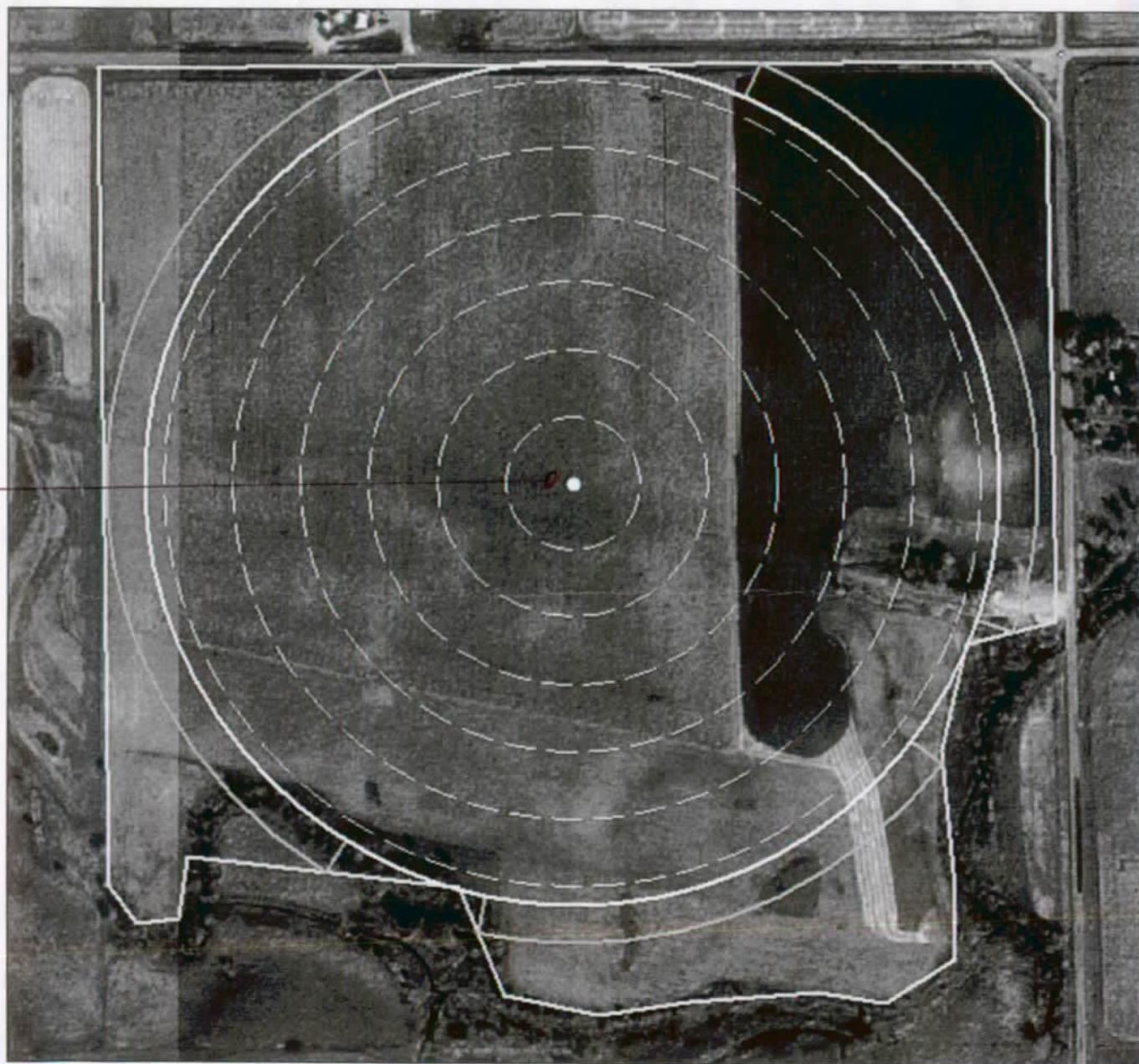
Farm: Home Place

Grower: Roger Blake

NE 1/4 - 2 - section 25-96-52

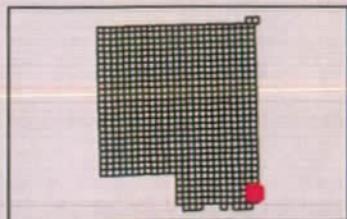
1/22/2008

Systems:	Length	Spans	Total area including endgun
☐ Pivot 4	1124.75 ft	6 spans + 44 ft o.h.	104.06 acres





USDA U.S. Dept. of Agriculture
Farm Service Agency



South Dakota Turner County

25-96N-52W

MEANS MILLER, PC USDA-NRCS

Legend

- Wetlands
- Tract Boundaries
- Section-Township-Range
- Easements
- CRP
- Common Land Units
- /// Rangeland

USDA FSA maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or the 2004 ortho rectified imagery for South Dakota. The producer accepts the data 'as is' and assumes all risks associated with its use. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside of FSA Programs.

March 22, 2006

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 2/4, 20 08

RECEIVED OF Roger Blake 46362 295th ST Centerville SD 57014

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

Fee for Application for Permit No. <u>6968-3</u> to Appropriate Water, to construct and to put water to beneficial use	100	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	100 00

No.

03460

By

Laurel Erbe
Chief Engineer

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 2/13, 20 08

RECEIVED OF Roger Blake 46362 295th ST Centerville SD 57014

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

Fee for Application for Permit No. <u>6968-3</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>6968-3</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.

03023

By

Roger Blake

Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 4, 2008

Roger Blake
46362 295th St
Centerville SD 57014-6701

Dear Mr. Blake:

Thank you for submitting the *Application for a Permit to Appropriate Water* for irrigation in Turner and Clay Counties. Each project needs to be submitted as a separate application. I have taken the information from your original application and partially completed three applications.

- Please review each application and make any necessary corrections or additions. Each application will need to be signed and notarized.
- Also, enclosed are partially completed Form 2As, Supplemental Information. Please complete the proposed well depth as it pertains to each application.
- Enclosed are the aerial photo maps submitted with the applications. The each map must be signed by one of the following: Registered Land Surveyor, Registered Professional Engineer or by any other government employee who normally prepares maps as a part of his assigned duties (i.e. local NRCS office).
- We have received the \$425.00 application/license filing fee. The fee breakdown for each application is as follows: 236 acres - \$325.00, 160 acres - \$300.00 and 77 acres - \$275.00 for a total of \$900.00. Please submit an additional \$475.00.
- If available, 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
karen.schlaak@state.sd.us

enclosure

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FEB 13 2008

WATER RIGHTS
PROGRAM

2/10/08

Enclosed are the revised permits
and check for \$475⁰⁰.

The well driller is hopeful he
can do something this week -
depends on weather, and then
we will submit his findings.

Thank you.

Ryan Blum



**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. 6968-3, Roger Blake**

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. 6968-3, Roger Blake, 46362 295th Street, Centerville SD 57014.

The Chief Engineer is recommending APPROVAL of Application No. 6968-3 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. 6968-3 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
March 21, 2008

NOTE: Please carefully review the Mr. Goodman's report on your application. This water permit is for development into the Lower Vermillion: Missouri Aquifer as the water source. Development into the overlying Parker Centerville Aquifer will require a new permit to be obtained.

REPORT ON WATER PERMIT NO. 6968-3

For Roger Blake
February 27, 2008

Application No. 6968-3 proposes to appropriate 1.78 cfs (800 gpm) from one well approximately 130 feet deep located in the center of the NE ¼ of section 25 to irrigate 160 acres located in the NE ¼ of section 25; all in T96N R52W in Turner County.

AQUIFER – UPPER VERMILLION MISSOURI (UVM)

The Upper Vermillion Missouri is a buried outwash (sand and gravel) under artesian conditions at this site. The aquifer underlies 207 square miles and contains an estimated 1.8 million acre-feet of water in storage in Turner and Hutchinson Counties (Lindgren, 1990). By far the largest amount of water in storage is in Turner County. The aquifer extends into McCook County to the north, Lincoln County to the east and into Clay County to the south. Ground water movement is from north to south in the area of this application (Lindgren, 1990).

No test holes were drilled for this application. The depth estimated by the applicant should mean a production well would be completed into the Upper Vermillion Missouri aquifer. This area is also underlain by the Parker Centerville aquifer and this permit would not allow production from that aquifer. The Upper Vermillion Missouri aquifer could be over 86 feet in thickness or a total depth of about 175 feet at this site (Niehus, 1994). The estimate of 130 feet by the applicant would penetrate into the Upper Vermillion Missouri aquifer but probably not go all the way through the formation. Also at this site the Parker Centerville aquifer should be 30 to 40 feet thick and lying above the Upper Vermillion Missouri aquifer with 30 to 40 feet of till (clay) separating the two aquifers. A high capacity well should be completed through the entire formation in order to obtain the best well possible.

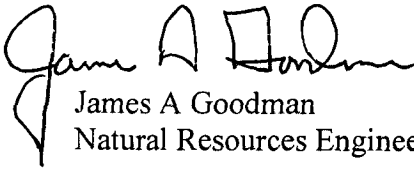
The Water Rights Program monitors nine observation wells completed into the Upper Vermillion Missouri and the Parker Centerville aquifer and within two miles of this application. The observation wells TU-80I, TU-78B and LN-78B are all completed into the Upper Vermillion Missouri aquifer and within two miles of this application. Water levels for these wells show good response to climatic conditions. Water levels rise during wet years (recharge) and gradually decline during dry years. Also the effects of pumping of nearby irrigation wells show seasonal fluctuation of the artesian head pressure of the aquifer. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008). Hydrographs for these three observation wells are included with this report.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The nearest irrigation well, Water Right No. 3646-3 (2.0 cfs, 144 acres) is located about one and one-half miles to the southwest of this proposed well. Interference is not a concern. At this distance between wells drawdown is not expected to be significant. This is verified by the observation well hydrographs.

CONCLUSIONS

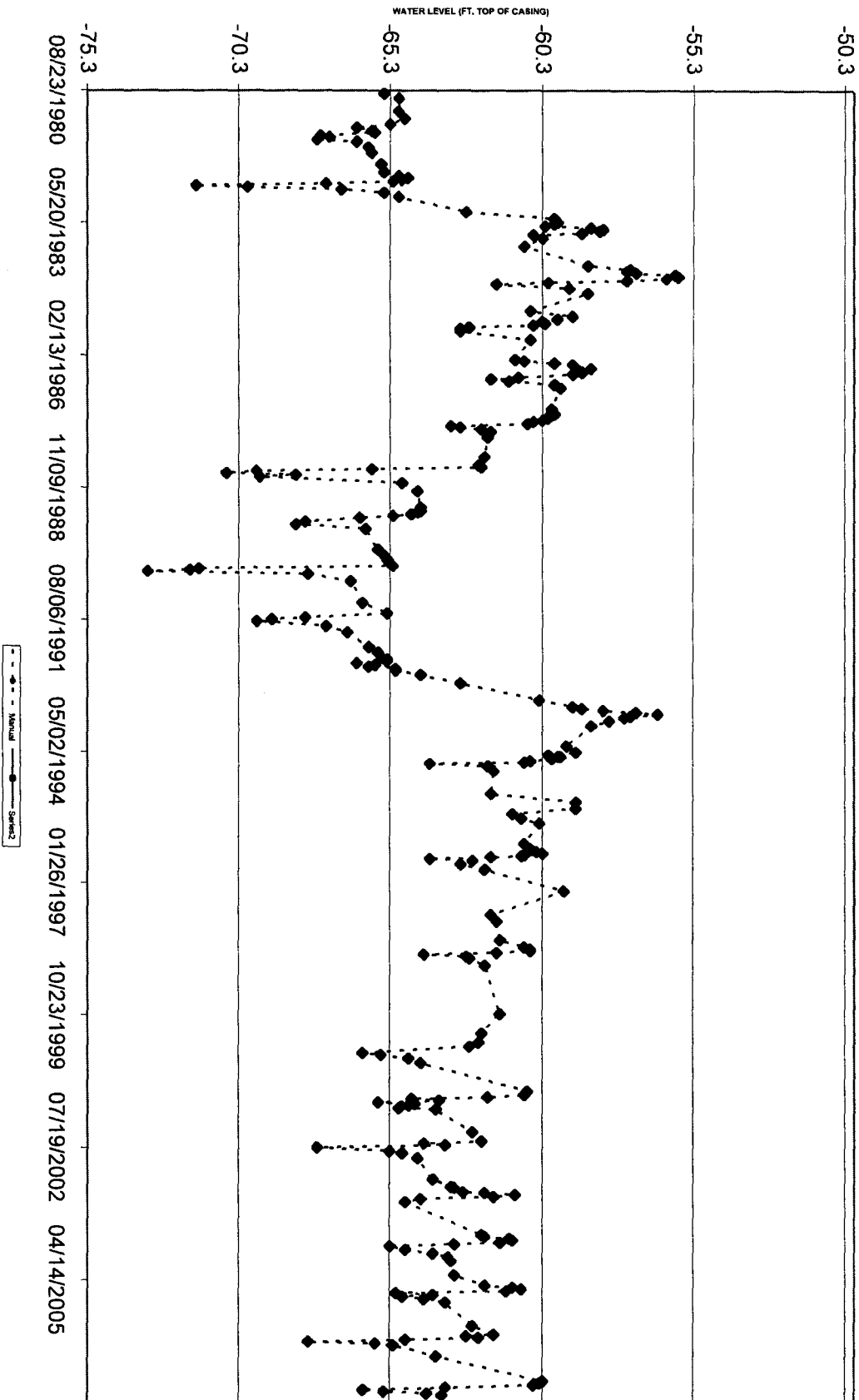
1. Water is available from the Upper Vermillion Missouri aquifer.
2. The aquifer is under artesian conditions at this site. Drawdown will be created by pumping. This is not expected to be significant nor cause any adverse effects upon prior water rights. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. The well at this site must be completed into the Upper Vermillion Missouri aquifer only. The overlying Parker Centerville aquifer must be isolated from the underlying aquifer. The two aquifers must be separated by grout in the irrigation well to minimize any potential leakage through the well bore.


James A Goodman
Natural Resources Engineer

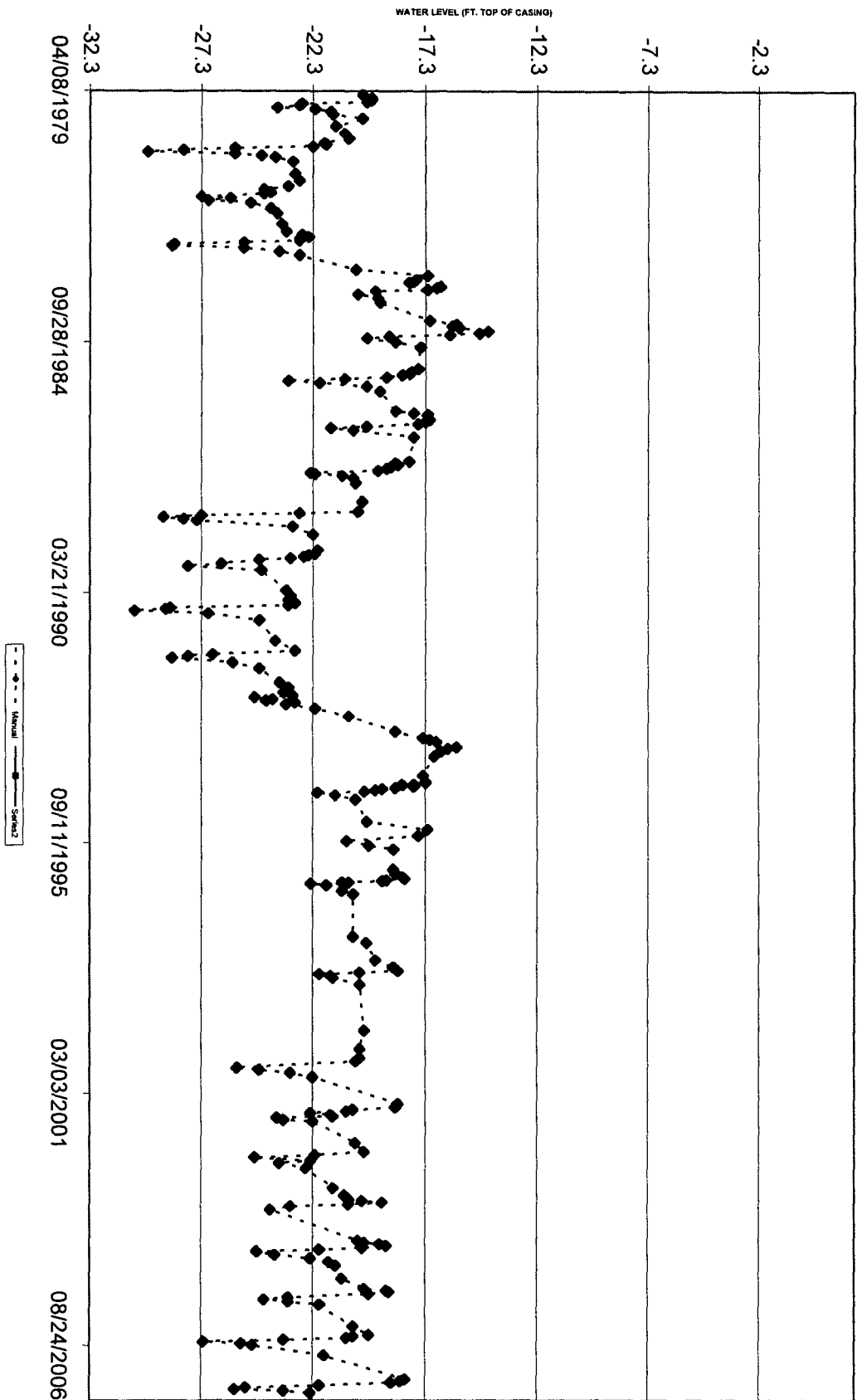
BIBLIOGRAPHY

- Lindgren, R.J., D.S. Hansen, 1990, Water Resources of Hutchinson and Turner Counties, South Dakota, Water-Resources Investigations Report 90-4093, USGS, Huron, SD, 57350.
- 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, 2008, Unpublished Observation Well Data for Turner and Lincoln Counties, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

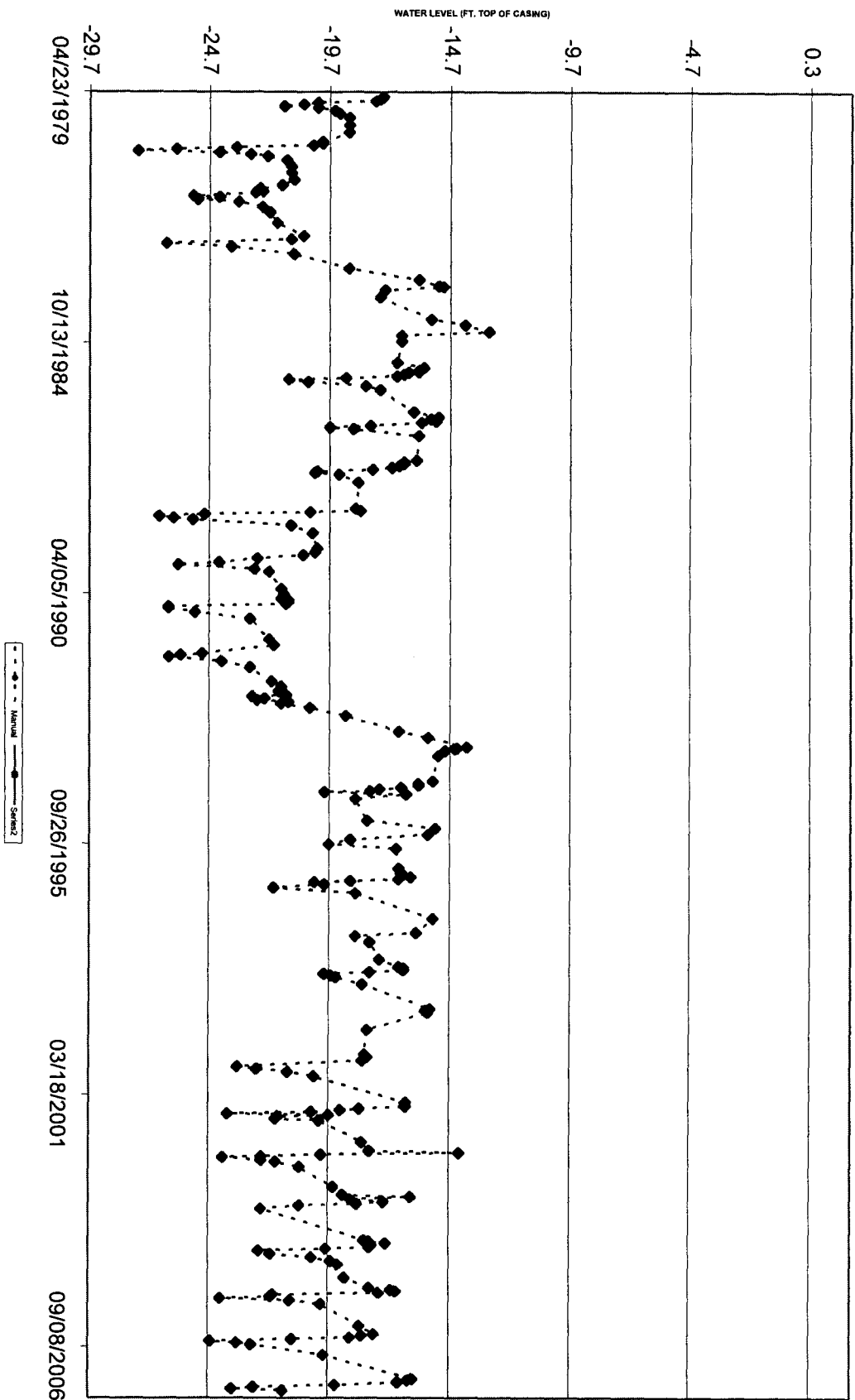
WATER RIGHTS' OBSERVATION WELL
TU-801



WATER RIGHTS' OBSERVATION WELL
TU-78B



WATER RIGHTS' OBSERVATION WELL
LN-78B



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APR - 7 2008

WATER RIGHTS
PROGRAM

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)

:SS

COUNTY OF TURNER)

Allyson M. Hill, being first duly sworn, on oath says the VIBORG ENTERPRISE is a WEEKLY newspaper published in VIBORG in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said VIBORG ENTERPRISE; that affiant has personal knowledge of all facts stated in this affidavit; that said newspaper is a legal newspaper as defined by SDCL 17-2-2.1 through 17-2-2.4 inclusive as amended, has a bona fide circulation of at least two hundred copies WEEKLY, has been published in the English language within said county and has been admitted to the United States mail under the second class mailing privilege, for at last one year continuously next prior to the publication of the notice herein mentioned and was and is printed wholly or in part in an office maintained at said place of publication; that said notice, a printed copy of which taken from the paper in which the same was published is hereto attached and is made part of this affidavit, was published in said newspaper

2 time(s) as follows: that the first publication of said

notice in said newspaper aforesaid was on Thursday

the 27th day of March, 2008,

and that the succeeding publications were severally

on Thursday, the 3rd day of April, 2008;

on Thursday, the ____ day of _____, 2008;

on Thursday, the ____ day of _____, 2008;

on Thursday, the ____ day of _____, 2008;

Affiant further says that the full amount of the fees charged for the publication of said notice inures to the benefit of the publishers of said newspaper; that no agreement of understanding for the division thereof has been made with any other person, that no part therefore has been agreed to be paid to any person whomsoever; and that the fees charged for the publication thereof are:

DOLLARS (\$ 42.71)

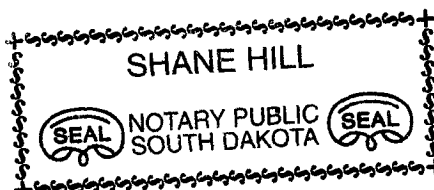
(x) Allyson M. Hill, Allyson M. Hill

Subscribed and sworn to before me this 3rd day of

April, 2008

Notary Public

My commission expires 11/14/2012.



OK

Casey Van Beek,
Finance Office

NOTICE OF APPLICATION NOS. 6968-3 and 6969-3 to Appropriate Water

Notice is given that Roger Blake, 46362 295th St. Centerville SD 57014 has filed the following applications for a water permit.

Application No. 6968-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Upper Vermillion-Missouri Aquifer (approximately 130 feet deep) located in the center of the NE 1/4 Section 25 to irrigate 160 acres located in the NE 1/4 Section 25; all in T96N-R52W.

Application No. 6969-3 proposes to appropriate 1.78 cfs from one well to be completed into the Parker Centerville Aquifer (approximately 60 - 70 feet deep) located in the W 1/2 NE 1/4 Section 11 to irrigate 77 acres located in the W 1/2 NE 1/4 Section 11; all in T97N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6968-3 and 6969-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully

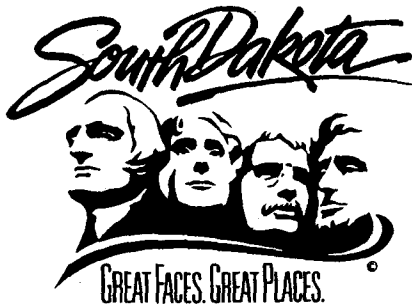
impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on these applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the Chief Engineer's recommendations. If a petition opposing the applications or contesting the recommendations 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 these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. 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 April 14, 2008.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, 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 these applications. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

LEGALS



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 20, 2008

Viborg Enterprise/Hurley Leader
PO Box 398
Viborg SD 57070

ATTENTION: Legal Public Notice

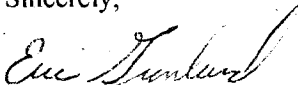
Enclosed is a Notice on Application Nos. 6968-3 & 6969-3 to Appropriate Water to be published twice. Please publish the first notice on March 27, 2008 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Roger Blake, 46362 295th St, Centerville SD 57014 (Ph # 605-563-2101).

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-----

Nos. 6968-3 & 6969-3

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

Date _____

We are in receipt of your letter of March 20, 2008 enclosing Notice to Appropriate Water by Application Nos. 6968-3&6969-3 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.

March 20, 2008

Roger Blake
46362 295th St
Centerville SD 57014

Dear Mr. Blake:

Water Permit Application Nos. 6968-3 & 6969-3 for irrigation use have 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 Viborg Enterprise/Hurley Leader printed at Viborg SD (Ph # 605-786-7827). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications 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 recommendations, 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 March 27, 2008 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NOS. 6968-3 and 6969-3 to Appropriate Water

Notice is given that Roger Blake, 46362 295th St, Centerville SD 57014 has filed the following applications for a water permit.

Application No. 6968-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Upper Vermillion:Missouri Aquifer (approximately 130 feet deep) located in the center of the NE ¼ Section 25 to irrigate 160 acres located in the NE ¼ Section 25; all in T96N-R52W.

Application No. 6969-3 proposes to appropriate 1.78 cfs from one well to be completed into the Parker: Centerville Aquifer (approximately 60 – 70 feet deep) located in the W ½ NE ¼ Section 11 to irrigate 77 acres located in the W ½ NE ¼ Section 11; all in T97N-R52W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 6968-3 and 6969-3 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 these applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the Chief Engineer's recommendations. If a petition opposing the applications or contesting the recommendations 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 these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. 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 April 14, 2008.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, 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 these applications. 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

MAY 07 2008

Roger Blake
46362 295th St
Centerville SD 57014

Dear Mr. Blake:

Enclosed are Water Permit Nos. 6968-3, 6969-3 and 6970-3 authorizing construction of your water diversion systems and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

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

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

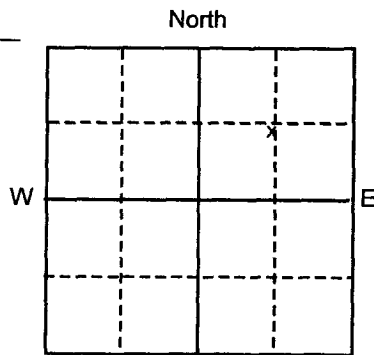
enclosures

6968-3

SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location sw 1/4 ne 1/4 Sec 25 Twp 96n Rg 52wCounty TurnerPlease mark well
location with an "X"

Well Completion Date

6/12/09

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
1,700.0 ft. from septic tank (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>16.00</u> IN	<u>0.0</u> FT	<u>140.0</u> FT	<u>22.00</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>bent grt</u>	<u>40</u>	<u>9.5</u> Lb/gal	<u>0.0</u> Ft	<u>134.0</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
tremie

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 16.00 Inches Length 60.0 Feet
Material pvcSlot Size .060 Set From 140.0 Feet to 200.0 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? hth tablets☐ No, Why Not?Lab to which water
quality sample sent for analysisWell Owner: Roger Blake

Business Name:

Address: 46362 295th stCity, State, Zip: Centerville SD 57014

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Silt, brown, clayey	0	7
Clay, brown, silty, pebbly till	7	37
Clay, gray, silty, pebbly, till	37	116
Gravel, fine, sandy	116	204

STATIC WATER LEVEL 60.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

71.0 Ft. After 4.0 Hrs. pumped 840.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: 800.0 GPM

REMARKS

 RECEIVED
 JAN 29 2010
 WATER RIGHTS
 PROGRAM
This well was drilled under license # 666 and this report is true and accurate.Drilling firm: Hammond-Wetmore Drilling

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

RECEIVED

DEC - 5 2011

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 12-1-11TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

Roger Blake
(name)46362 295th ST
(address)Centerville, SD 57014
(city, state, zip)605-563-2101
(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 6968-3 states that the water use system is to be constructed by

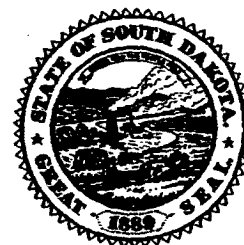
April 2013 , and water is to be put to beneficial use by April 2017
(date) (date)

The water use system was completed on August 2009
(date)

Applying the water to beneficial use was completed on August 2009
(date)

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

Roger Blake
(signature)



6968-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 7, 2011

Roger Blake
46362 295th St
Centerville SD 57014

RE: Water Permit Nos. 6968-3, 6969-3, 6970-3 and 7191-3

Dear Mr. Blake:

I am writing to acknowledge receipt of the "*Notice of Completion of Works*" forms that you sent in to let us know that you are completed with your irrigation systems.

The systems are now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between completion of the projects and the staff inspection has no bearing on your water permits.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath".

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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 6968-3

I have this day, November 28, 2017, made a thorough examination of the water use system constructed by Roger Blake, 46362 295th St, Centerville SD 57014 of Permit No. 6968-3, bearing the priority of February 1, 2008 authorizing the diversion of 1.78 cu. ft. per second of the waters of Upper Vermillion:Missouri Aquifer for irrigation purposes, of 160 acres, in Turner County.

Inspection contact & relationship **Roger Blake, permit holder**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Hammond-Wetmore Drilling, LLC
- 2) No. of Wells 1
- 3) Depth(s) 200 feet
- 4) Well log is available Yes

Casing:

- 1) Diameter 16 inches
- 2) Length 140 feet
- 3) Type PVC

Screen:

- 1) Type PVC Manufactured
- 2) Length 60 feet
- 3) Static water level 60 feet

Pump:

- 1) Make In-Line Shaft Turbine
- 2) Model Unknown
- 3) Capacity 800 GPM

Motor:

- 1) Make Amarillo Right Angle Gear Drive
- 2) Model No. S40B
- 3) Horsepower rating 40 hp

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Lindsay
- 2) Overall length 1100 feet
- 3) Number of towers 6
- 4) End gun Yes
- 5) Capacity 800 GPM

Comments: System is driven by a Twin Disc Power Transmission diesel generator set with above ground diesel fuel tank.

Chemigation Equipment:

- 1) Does chemigate No

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, began irrigating in 2009.

List any extended period of nonuse: Did not use in 2010 due to adequate rainfall.

- 3) Exceptions to compliance are: Diversion rate exceeds statutory limit.

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: West 1300', South 1150' from NE Corner of Sec 25-T96N-R52W; Lat 43.10964/Long -96.92886; NW ¼ NE ¼ Sec 25-T96N-R52W.

2. The works are capable of diverting and conveying to the place of use 1.78 cfs or 800 gpm of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

All land is located in Sec 25-T96N-R52W.

NW ¼ NE ¼ - 30 ac

SW ¼ NE ¼ - 22 ac

NE ¼ NE ¼ - 30 ac

SE ¼ NE ¼ - 21 ac

comprising a total of 103 acres of land and the license should be issued for 1.47 cfs or 660 gpm which is the statutory limit of 1 cfs per 70 acres irrigated.

3. All structures, wells and lands on map Yes

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

Provide detailed explanation when multiple permits are involved or any discrepancy between what the permit was issued for and what was developed.

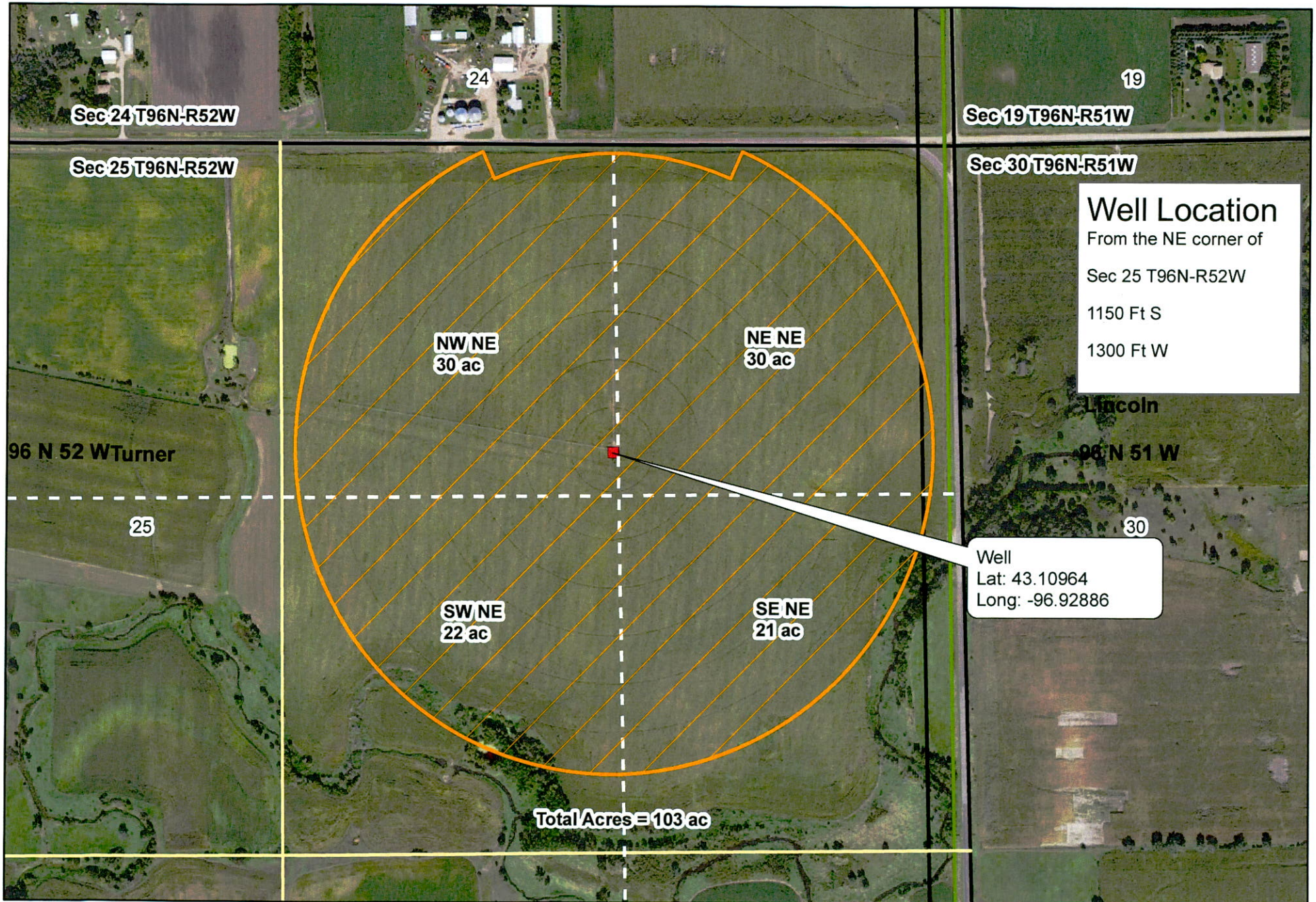
The diversion rate of Water Permit No. 6968-3 is greater than the statutory limit of 1 cfs per 70 acres irrigated.



Harold Holoch, PE
Staff Engineer
DENR, Water Rights Program

Date report completed: January 11, 2018

6968-3



Harold Holoch
Harold Holoch, PE
Staff Engineer
January 11, 2018



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAY 29 2018

6968-3

Roger Blake
46362 295th St
Centerville SD 57014

Dear Mr. Blake:

Enclosed is Water License No. 6968-3. 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 in the future, the owner of an existing well, 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 "Jeanne Goodman".

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

enclosures

NOTE: The investigation found your irrigation system is capable of diverting 1.78 cubic feet of water per second (cfs) which is equivalent to approximately 800 gallons per minute. The statutory limit for 103 acres is 1.47 cfs (equivalent to 660 gpm). Diversion of water under this water license is limited to 1.47 cfs.

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6968-3**

(1) Roger Blake, 46362 295th St., Centerville SD 57014 made Application No. 6968-3, February 1, 2008 for a water permit to divert 1.78 cubic feet of water per second from ground water, one well (Upper Vermillion Missouri South Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 6968-3, with a priority date of February 1, 2008 was approved April 14, 2008 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 14, 2013 and for the application to beneficial use of water on or before April 14, 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 1.47 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1,300'W and 1,150'S of the NE corner of Section 25, T96N, R52W (approximate center of the quarter); Latitude 43.10964, Longitude -96.92886

(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:

T96N, R52W Section 25	NW ¼ NE ¼	30 acres
	SW ¼ NE ¼	22 acres
	NE ¼ NE ¼	30 acres
	SE ¼ NE ¼	21 acres
Total		103 acres

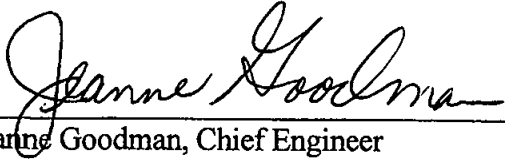
(4) Pursuant to South Dakota Water Law 46-5-30.1 Roger Blake, 46362 295th St, Centerville SD 57014 the holder and/or owner of Water Right No. 6968-3 is issued a license to appropriate water, the right to use 1.47 cubic feet of water per second from ground water, one well (Upper Vermillion Missouri South Aquifer) with a priority date of February 1, 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. 6968-3 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. 6968-3 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. ***The well was drilled in June, 2009 by Hammond-Wetmore Drilling. A copy of the well completion report is on file with the Water Rights Program.***

Continued

- 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

MAY 29 2018

date

