

WATER PERMIT NO. 6771-3

Name of Applicant: Randy Geffre

Address: 11360 307th Ave, Mound City SD 57646

Phone: 605 955-3377

Amount of Water Claimed: no additional water

Total Acres: 120

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Campbell

Type of Waste Disposal System:

Location: 1 miles northeast of Mound City

PRIORITY

Date Received: 11-16-06

Application/License Fee: \$275

Corrected Application Received:

Period of Annual Use: May 1 – November 1

Remarks: Using the well authorized by Water Right No. 3684B-3 located in the center of the NW ¼ Sec 16-T126N-R76W

Diversion Point: center NW ¼ Sec 16-T126N-R76W

Land to be Irrigated: SW ¼ Sec 9-T126N-R76W

Depth of Well: 241 feet deep

Well Driller: : Oahe Drilling

Remarks:

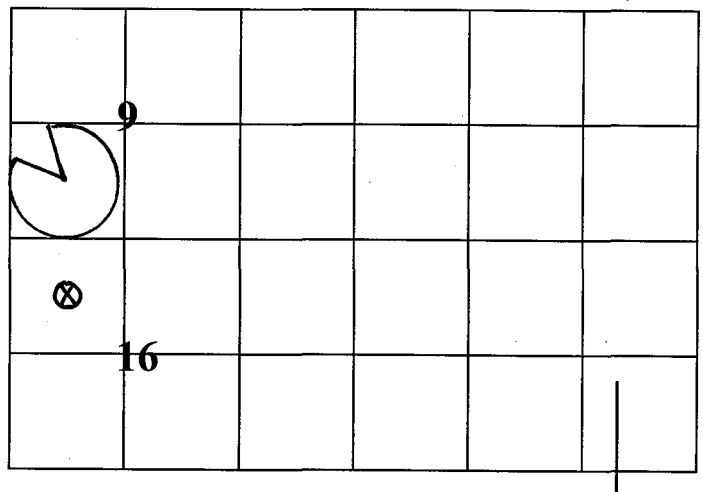
Type of Map: aerial

Prepared by: Vanessa Goehring, FSA

Reviewed and the Number Assigned on: 11-20-06

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6771-3</u> (office use only) <u>10130106</u>	RECEIVED NOV 16 2006 WATER RIGHTS PROGRAM
	Basin <u>Missouri River</u>	
	Newspaper <u>Prairie Pioneer Pollock</u>	

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.) to use well authorized by WR No. 3684B-3 to irrigate acreage authorized by 3658-3 plus 55 additional acres. Wells authorized by WR 3658-3 will be abandoned and plugged.

1. Name of Applicant Randy Gelfre Phone 605-955-3377
(check one) X Owner Tenant/lessee
Mailing Address 11360 307th Ave. Mound City State SD 57646
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed *CFS or no additional **GPM ***AF Total Acreage 120 acres
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Well authorized by WR 3684B-3

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well NW 1/4 Section 16-T126N R76W (Center)
County Campbell

5. County or counties where water will be used Campbell

6. Annual period during which water is to be used May 1 - November 1

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
NW 40 acres of Sec 9-T126-76	18	NW 1/4 SW 1/4	
NE 40 acres of Sec 9-126-76	34	NE 1/4 SW 1/4	
SE 40 acres of Sec 9-126-76	34	SE 1/4 SW 1/4	
SW 40 acres of Sec 9-126-76	34	SW 1/4 SW 1/4	

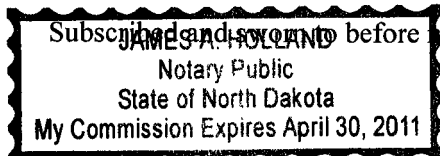
8. Give a description of the project. (Attach sheet if more space is needed)
I would like to replace old inefficient pivot that is authorized to irrigate 65 acres by WR 3658-3, with low pressure pivot with drop nozzles and irrigated an addition 55 acres. The water supply would come from digging water line in from well authorized by WR 3684B-3 with no additional gallon per minute.

STATE OF SOUTH DAKOTA
County of Campbell

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, Randy Gelfre, 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 Randy Gelfre
Subscribed and sworn to before me this 13th day of November 2006



James A. Holland
Notary Public signature

SOUTH DAKOTA
WATER PERMIT NO. 6771-3

Date of first receipt of application November 16, 2006.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6771-3 to Randy Geffre, 11360 307th Ave, Mound City SD 57646 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. 6771-3 authorizes irrigation of an additional 120 acres. Water Right No. 3684B-3 authorizes 1.89 cubic feet of water per second from one well completed into the Grand Aquifer (241 feet deep) located in the center of the NW ¼ Section 16 to irrigate 136 acres located in the NW ¼ Section 16; all in T126N-R76W. This permit authorizes irrigation of 120 acres located in the SW ¼ Section 9-T126N-R76W from the well authorized by Water Right No. 3684B-3. No increase in the developed diversion rate is authorized by this permit.
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 – November 1.
3. The date from which applicant may claim right is November 16, 2006.
4. The date of approval of Permit No. 6771-3 is January 25, 2007.
5. One-fifth of the construction is to be completed on or before July 25, 2009.
6. All construction is to be completed on or before January 25, 2012.
7. Water is to be put to beneficial use on or before January 25, 2016.
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. 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

MAR 16 2007

date





1204. To be irr.



Campbell County, South Dakota

Sec-Twp-Rng: 9-126N-76W

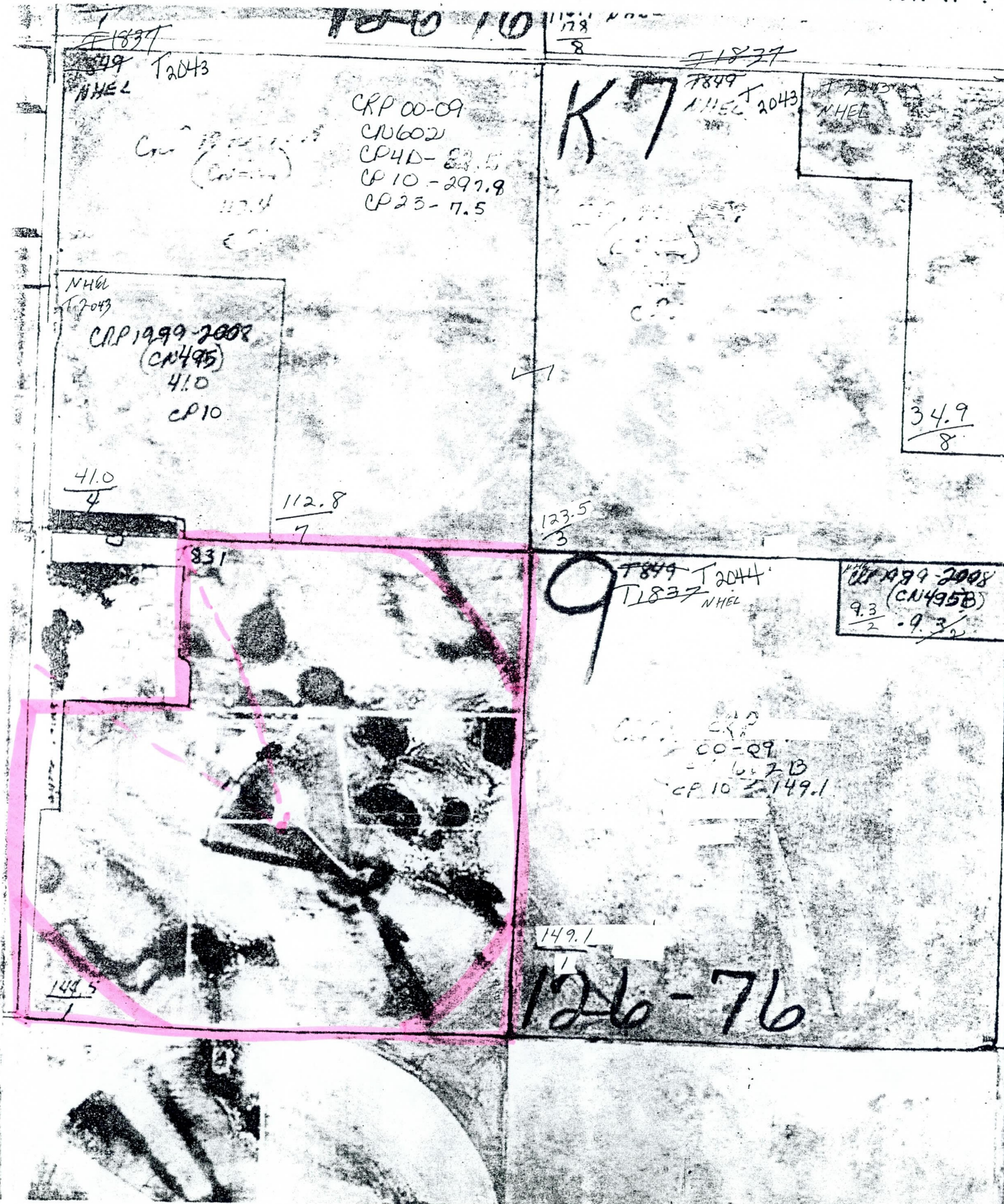
Map Printed: Feb 17, 2005

Map Not to Scale
No Official Wetland Determination



Vanna Jackson Campbell Co. FSA Office PT

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



General Irrigation Inc.



Box 291
Oakes North Dakota
701-742-3223

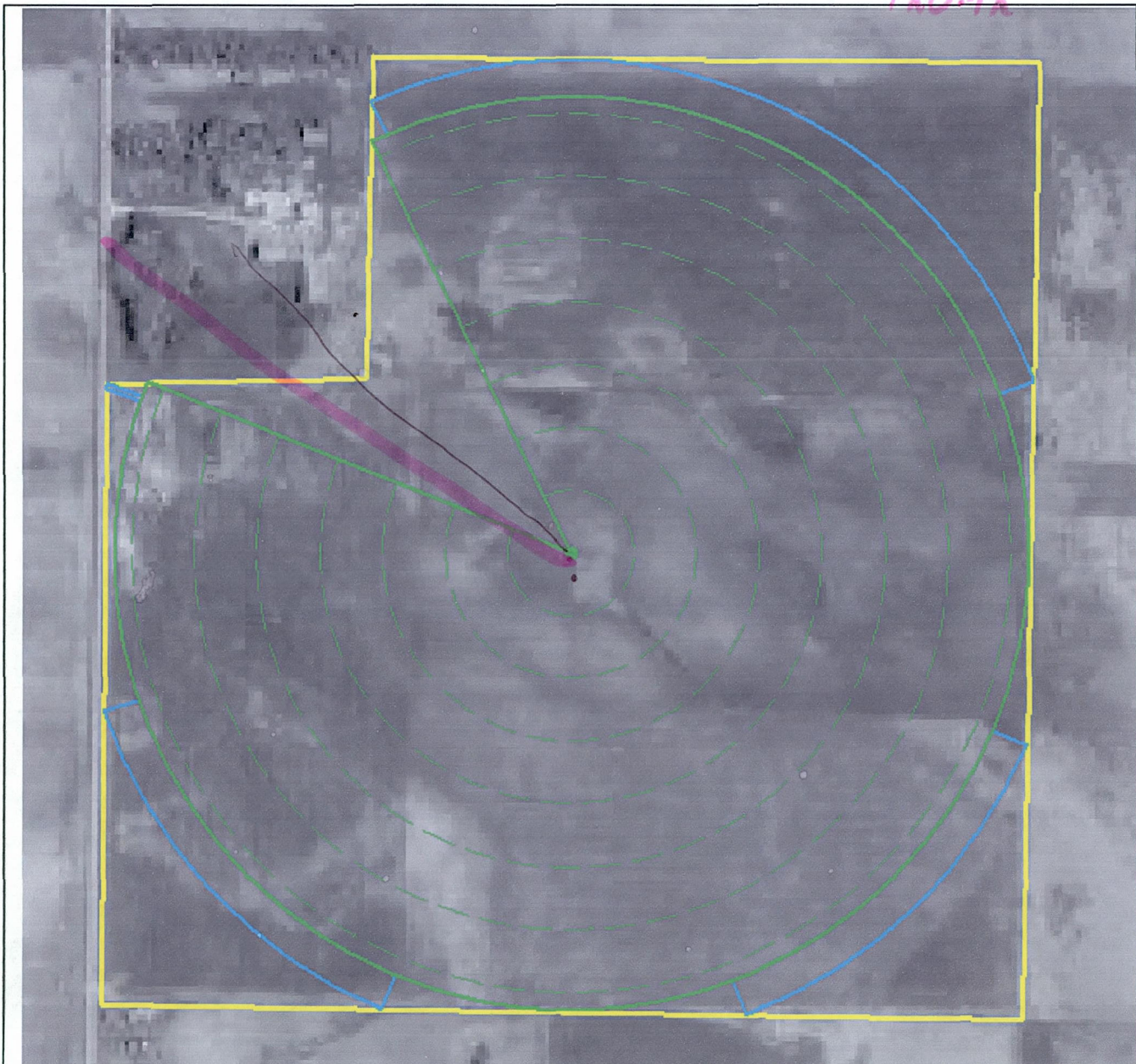
Field: Part Circle

Grower: Randy Geffre

Farm: Mound City

10/6/2006

Systems:	Length	Spans / Overhang	Total area including endgun
● Pivot 3	1303.67 ft	7 spans / 44 ft	118.42 acres



413
v. 111

6,60

Date _____

REPRODUCTION: REDUCTION: 2.55/ ROLL NO. 2
DATE MICROFILMED: 2-22-73

SECRET

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date November 16, 20 06

RECEIVED OF Randy Geffre, 11360 307 Ave, Mound City SD 57646

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

Fee for Application for Permit No. <u>6771-3</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>6771-3</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	275.00

No.

02629

By

Darlene Ebele

Chief Engineer

gsm



**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. 6771-3, Randy Geffre**

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. 6771-3, Randy Geffre, 11360 307th Avenue, Mound City SD 57646.

The Chief Engineer is recommending APPROVAL of Application No. 6771-3 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. 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
December 20, 2006

NOTE: Upon approval of Water Permit Application No. 6771-3, the Water Rights Program will schedule Water Right No. 3658-3 for cancellation. This water right is for six shallow wells that you stated will be abandoned and plugged. You will be provided notice of cancellation.

REPORT ON WATER PERMIT NO. 6771-3
For Randy Geffre
December 13, 2006

Application No. 6771-3 proposes to authorize an additional 120 acres of irrigation to Water Right No. 3684B-3. Water Right 3684B-3 authorizes 1.89 cfs from one well approximately 241 feet deep located in the center of the NW $\frac{1}{4}$ of section 16 to irrigate 136 acres located in the NW $\frac{1}{4}$ of section 16; all in T126N R76W. This application proposes to irrigate 120 acres located in the SW $\frac{1}{4}$ of section 9, T126N R76W from the well authorized by Water Right No. 3684B-3. No increase in the developed diversion is authorized by this permit.

AQUIFER – GRAND (G)

The Grand is a buried outwash (sand and gravel) and alluvium from the ancient Grand River channel (Koch, 1970). The Grand underlies 97,900 acres and contains an estimated 1.469 million acre-feet of recoverable water in storage in Campbell County (Hedges, 1982). The aquifer is under artesian conditions in this area. Ground water movement is from southeast to northwest in the area of this application and towards the Missouri River (Koch, 1970). The aquifer extends into Walworth County to the south, into McPherson and Edmonds Counties to the east and to the Missouri River to the west. Koch presents some interesting information concerning water levels rising in the Grand (what he called the deep glacial aquifer) aquifer as a result of the filling of Oahe Reservoir. In effect the rising reservoir level caused water in the aquifer to back up (rise) even though the aquifer is still discharging to the reservoir.

The Water Rights Program monitors three observation wells completed into the Grand aquifer and within three miles of this application. Water levels for these wells show good response to pumping and climatic conditions. During the irrigation season water fluctuate in response to pumping. The amount of fluctuation can exceed 30 feet during the irrigation season. Also, the effects of recharge are obvious. The hydrographs exhibit general rising water levels during wet years. At the same time irrigation demands are not as severe and less drawdown is shown. In general, the water level indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2006). Hydrographs for these three observation wells CA-78B, CA-78E and CA-65C are included with this report.

The water chemistry of the aquifer deep glacial aquifer indicates water high in salinity, high in percent sodium and relatively high sodium adsorption ration (SAR) (Koch, 1970).

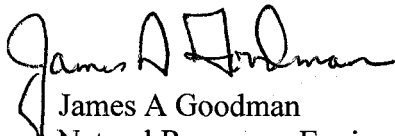
REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is another Water Permit No. 3684A-3 (not licensed) that authorizes three wells that are within one mile of this existing well. This permit is not used because the land is in CRP and will not come out of CRP until 2010 or so. Interference will occur. That is there will be overlapping cones of depression created by pumping in this area. It is not

expected that this would cause adverse effects but may require lowering of pumps during dry years when more irrigation pumping is necessary. The only other permit in this area is Water Right No. 4144-3 for Mound City which authorizes 0.22 cfs from the Grand aquifer and is located about three-fourths mile south of the well for this application. Mound City presently is served by WEB Rural Water System and the well is held as an emergency backup supply.

CONCLUSIONS

1. Water is available from the Grand aquifer.
2. The aquifer is under confined conditions. Drawdown does occur now and this is shown by the hydrographs. Adding these additional acres to the existing well is not expected to adversely affect any existing user nor create significant additional drawdown.
3. This application does not allow any additional appropriation of water above 1.89 cfs but does allow an additional volume of two acre feet per acre for the 120 acres.
4. Existing Water Right No. 3658-3 (0.89 cfs, 65 acres) can be cancelled for abandonment. The wells drilled for that right must be plugged in accordance with SD Well Construction Standards.


James A Goodman
Natural Resources Engineer

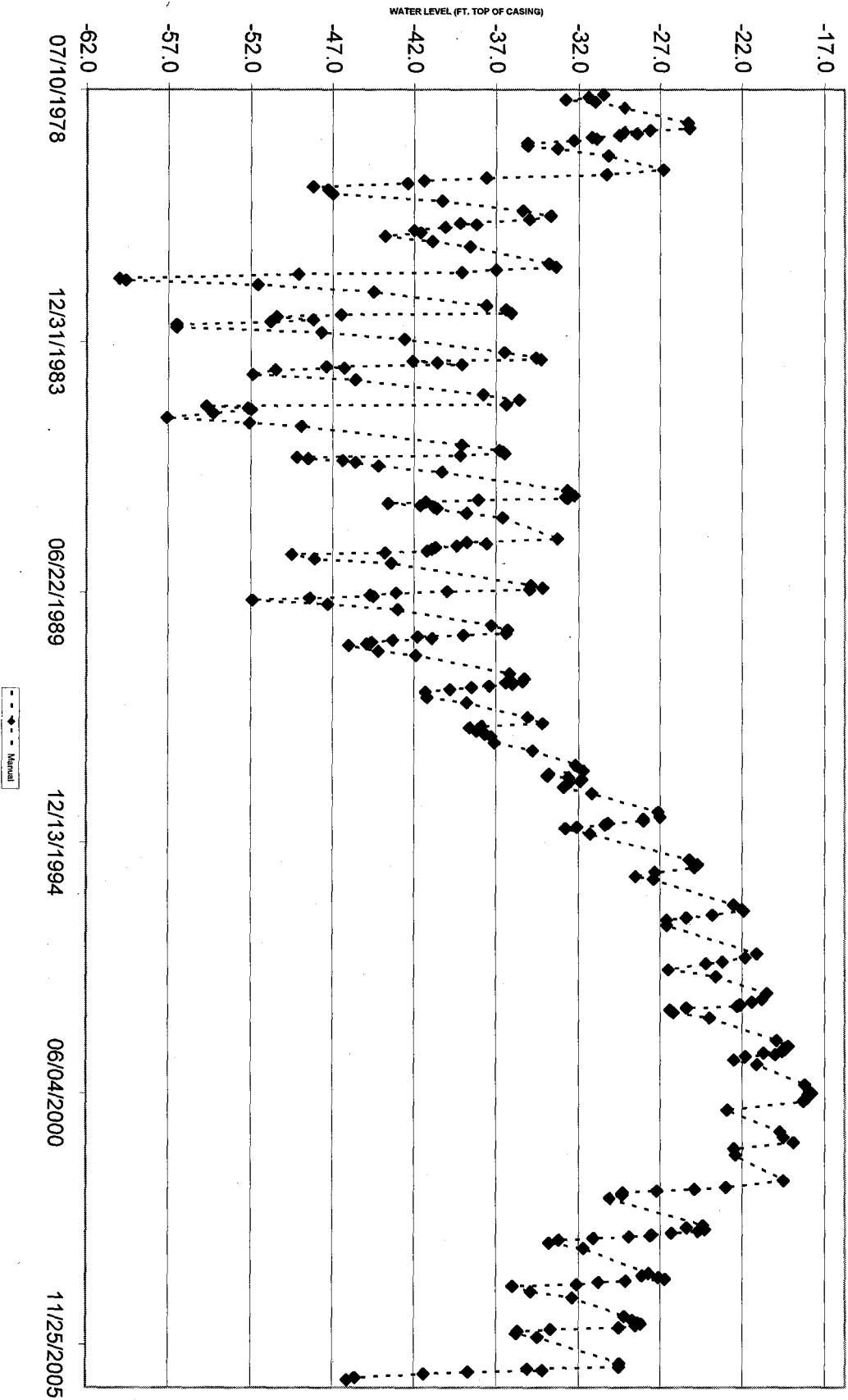
BIBLIOGRAPHY

Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

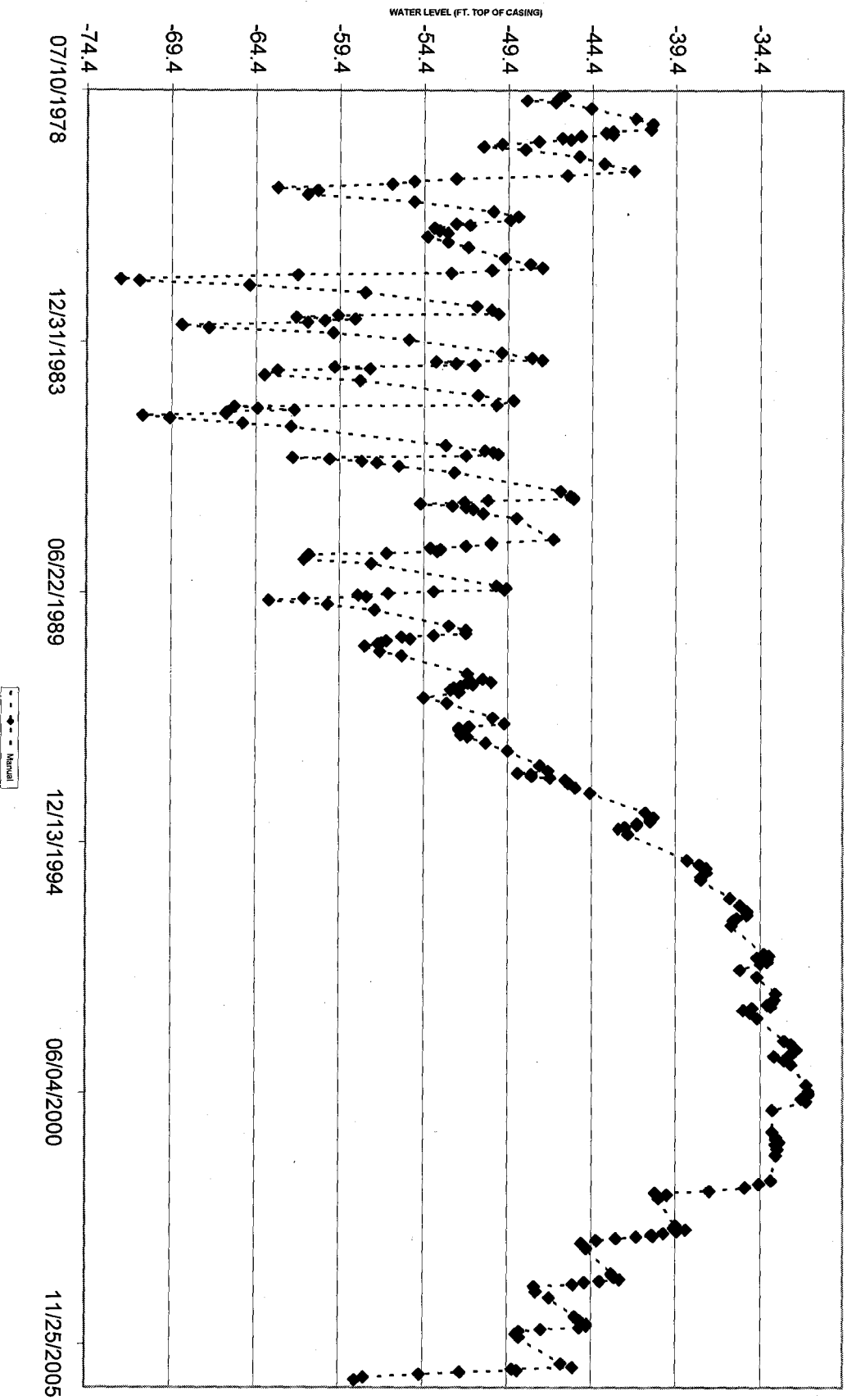
Koch, N.C., 1970, Geology and Water Resources of Campbell County, South Dakota, Bulletin 20, Water Resources, SDGS, Vermillion, SD, 57069.

Water Rights, 2006, Unpublished Observation Well Data for Campbell County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

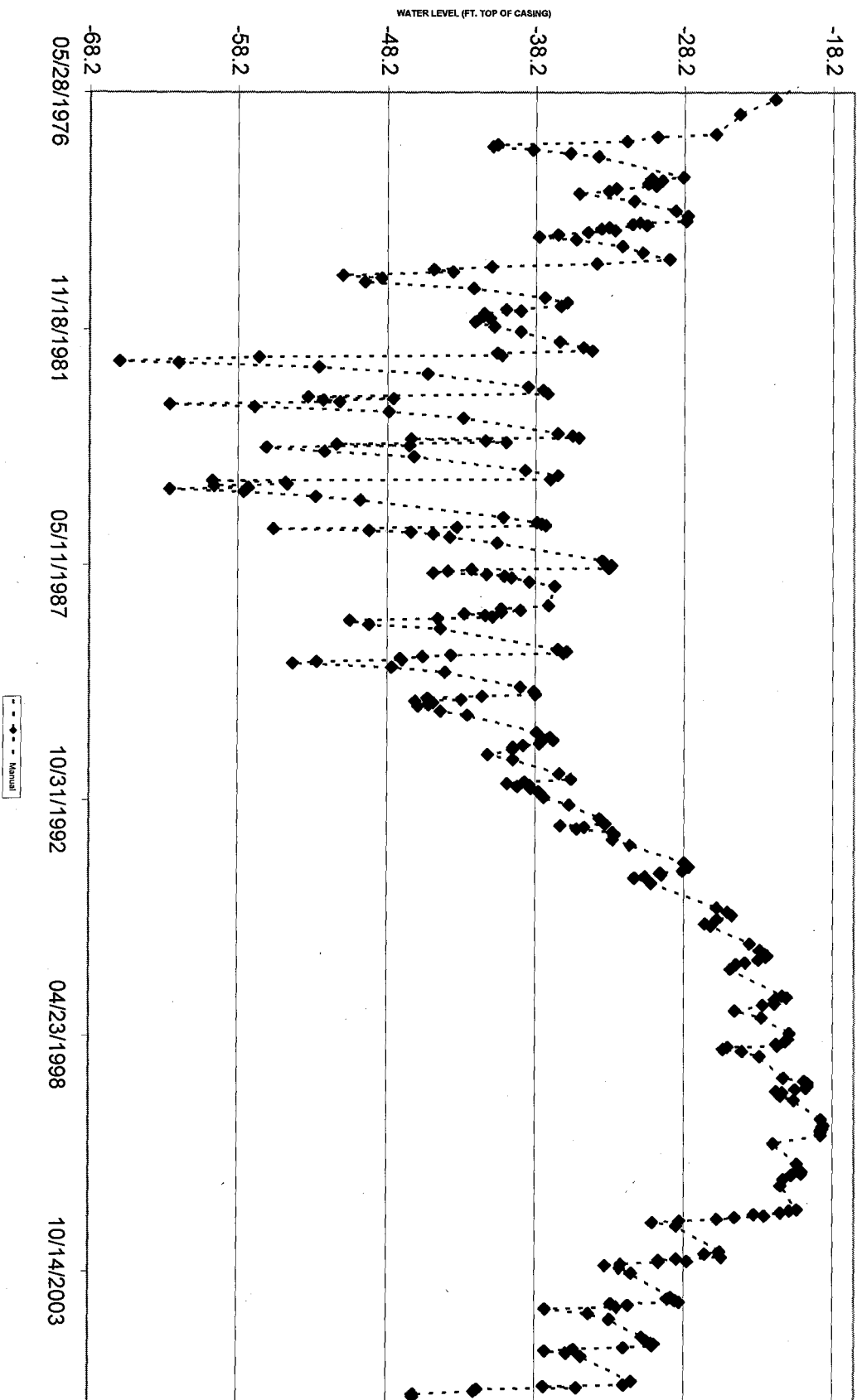
WATER RIGHTS' OBSERVATION WELL CA-78E



WATER RIGHTS' OBSERVATION WELL
CA-78B



WATER RIGHTS' OBSERVATION WELL
CA-65C



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Campbell) SSI, Leah Burke

certify that the attached printed Notice was taken

from the Prairie Pioneerprinted and published in PollockCounty of Campbell and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Jan. 4, 2007Jan. 11, 2007Cost of Printing \$ 47.34Leah Burke
(Signature)Secretary
(Title)1/11/07
(Date Signed)**Notice of
Application
No. 6771-3
To Appropriate
Water**

Notice is given that Randy Geffre, 11360 307th Ave., Mound City, SD 57646 has filed an application for a water permit to irrigate an additional 120 acres. Water Right No. 3684B-3 authorizes 1.89 cubic feet of water per second from one well completed into the Grand Aquifer (241 feet deep) located in the center of the NW1/4 Section 16 to irrigate 136 acres located in the NW1/4 Section 16; all in T126N-R76W. This application proposes to irrigate 120 acres located in the SW1/4 Section 9-T126N-R76W from the well authorized by Water Right No. 3684B-3. No increase in the developed diversion rate is authorized by this permit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6771-3 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 January 25, 2007.

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.

**Steve M. Pirner,
Secretary
Department of
Environment and
Natural Resources**

1-2

RECEIVED**JAN 16 2007****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

December 21, 2006

Prairie Pioneer
PO Box 218
Pollock SD 57648-0218

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6771-3 to Appropriate Water to be published twice. Please publish the first notice on January 4, 2007 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.

Please BILL the APPLICANT for the cost of publication. The APPLICANT is Randy Geffre, 11360 307th Ave, Mound City SD (Ph # 605-955-3377).

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. 6771-3

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

Date _____
We are in receipt of your letter of December 21, 2006 enclosing Notice to Appropriate Water by Application No. 6771-3 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.

December 21, 2006

Randy Geffre
11360 307th Ave
Mound City SD 57646

Dear Mr. Geffre:

Water Permit Application No. 6771-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Prairie Pioneer printed at Pollock, SD (Ph # 605-889-2320). 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish first Notice on January 4, 2007 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6771-3 to Appropriate Water

Notice is given that Randy Geffre, 11360 307th Ave, Mound City SD 57646 has filed an application for a water permit to irrigate an additional 120 acres. Water Right No. 3684B-3 authorizes 1.89 cubic feet of water per second from one well completed into the Grand Aquifer (241 feet deep) located in the center of the NW ¼ Section 16 to irrigate 136 acres located in the NW ¼ Section 16; all in T126N-R76W. This application proposes to irrigate 120 acres located in the SW ¼ Section 9-T126N-R76W from the well authorized by Water Right No. 3684B-3. No increase in the developed diversion rate is authorized by this permit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6771-3 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 January 25, 2007.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAR 16 2007

RANDY GEFFRE
11360 307TH AVE
MOUND CITY SD 57646

Dear Mr. Geffre:

Enclosed is Water Permit No. 6771-3 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

6771-3
RECEIVED

JAN - 9 2012

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 1-2-2012TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

Randy Gettre
(name)11360 307th AVE
(address)Mound City SD 57646
(city, state, zip)605-955-3377
(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. 6771.3 states that the water use system is to be constructed by1-25-2012 (date), and water is to be put to beneficial use by 1-25-2016 (date).The water use system was completed on 5-5-2007 (date).Applying the water to beneficial use was completed on 6-2008 (date).

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

Randy Gettre
(signature)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 11, 2012

6771-3

Randy Geffre
11360 307th Ave
Mound City SD 57646

Dear Mr. Geffre:

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

The system is 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 the completion of your project and the staff inspection has no bearing on your water permit.

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". The signature is written in a cursive, flowing style.

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

Water Permit No. 6771-3
Missouri 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, November 9, 2016, made a thorough examination of the water use system constructed by Randy Geffre of 11360 307th Ave., Mound City, SD 57646 holder of Permit No. 6771-3, bearing the priority of November 16, 2006 authorizing the diversion of No Additional water for Irrigation purposes from ground water (existing well completed into the Grand Aquifer) in Campbell County.

The existing well is authorized under Water Right No. 3684B-3, held by Randy and Anita Geffre.

Inspection contact & relationship **Randy Geffre (957-3377, 957-5730 cell)**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Oahe Drilling
- 2) No. of Wells 1
- 3) Depth(s) 241 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 10 inches
- 2) Length Unknown feet
- 3) Type Plastic

Screen:

- 1) Type Stainless Steel
- 2) Length Unknown feet
- 3) Static water level 38 feet

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

- 1) Type Buried Pipe

C. Works used to apply water to beneficial use:**Center pivot (SW ¼ Section 9)**

- 1) Make T & L
- 2) Number of towers 7
- 3) End gun Y
- 4) High or low pressure Low
- 5) Capacity 800 GPM

Chemigation Equipment:

- 1) Does chemigate No

Center pivot (NW ¼ Section 16)

1. Make Olson
2. Number of towers 8
3. End gun Y
4. High or low pressure 60 psi
5. Capacity 850 GPM

Information for pivot in NW ¼ Sec. 16 taken from inspection report dated 9-8-2000 completed by Ron Duvall

D. Compliance with Permit Requirements:

- Permit qualifications being abided by Y
- Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
- Exceptions to compliance are: None

All structures, wells and lands are on the map. The system is in Good condition with the point of diversion located as follows: Well: Approximate center of NW ¼ Section 16-T126N-R76W (N 45.73493, W -100.04269)

The works are capable of diverting and conveying to the place of use 1.89 cu. ft. per second of water which is to be used for Irrigation use. Water has been put to beneficial use to the maximum extent as follows:

Section 9, T126N, R76W

(priority date: 11-16-2006)

NW ¼ SW ¼ - 18 acres

NE ¼ SW ¼ - 34 acres

SW ¼ SW ¼ - 34 acres

SE ¼ SW ¼ - 34 acres

Section 16, T126N, R76W

(priority date: 2-28-1977)

NE ¼ NW ¼ - 34 acres

NW ¼ NW ¼ - 34 acres

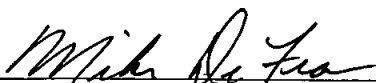
SW ¼ NW ¼ - 34 acres

SE ¼ NW ¼ - 34 acres

Total of 256 acres irrigated

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

Water Permit No. 6771-3, with a priority date of November 16, 2006, authorizes the diversion of water from one well covered under Water Right No. 3684B-3 to irrigate 120 acres. Water Right No. 3684B-3, priority date of February 28, 1977, authorizes the diversion of 1.89 cfs for irrigation of 136 acres located in the NW ¼ Section 16-T126N-R76W. *Any information contained in this report regarding the pivot system in the NW ¼ Section 16 (3684B-3) was taken from the inspection report dated September 8, 2000 completed by Ron Duvall.*



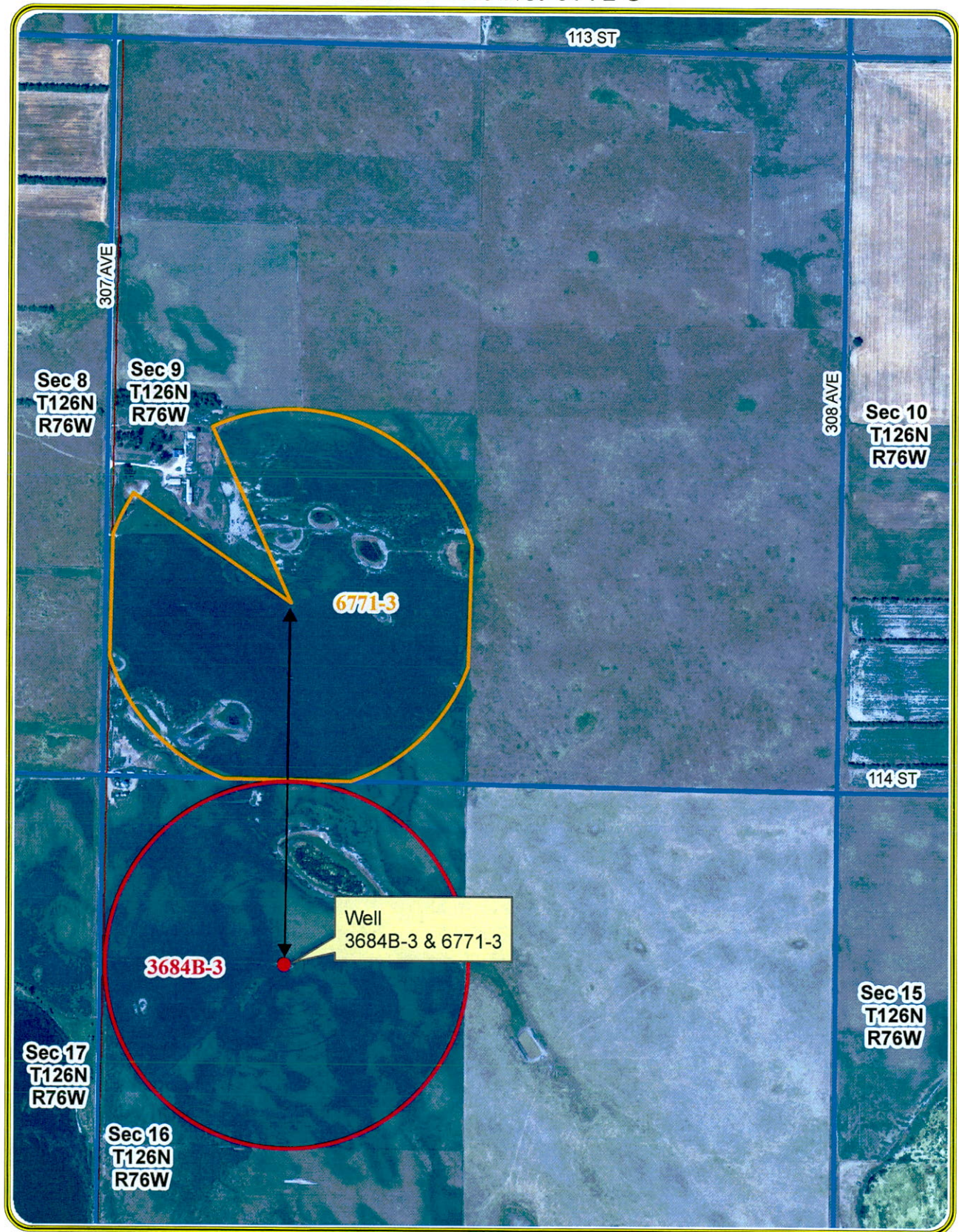
Mike DeFea

Natural Resources Engineer II

DENR, Water Rights Program

Date report completed: December 6, 2016

Randy Geffre
Water Permit No. 6771-3



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
December 6, 2016

0 0.125 0.25 0.5
Miles



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today

STATE OF SOUTH DAKOTA WATER LICENSE NO. 6771-3

(1) Randy Geffre, 11360 307th Ave, Mound City SD 57646 made Application No. 6771-3, November 16, 2006 for a water permit to irrigate an additional 120 acres from ground water, one existing well (Grand Aquifer). No. 6771-3 did not authorize an increase in the developed diversion rate from the existing well. The project is located in Campbell County, South Dakota. Permit No. 6771-3, with a priority date of November 16, 2006 was approved January 25, 2007 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before January 25, 2012 and for the application to beneficial use of said water on or before January 25, 2016.

Randy & Anita Geffre hold Water Right No. 3684B-3, with a priority date of February 28, 1977, authorizing diversion of 1.89 cubic feet of water per second (cfs) from a well located in the center of the NW ¼ Section 16 to irrigate the NW ¼ Section 16 all in T126N, R76W. Water Permit No. 6771-3 authorizes irrigation of an additional 120 acres located in the SW ¼ Section 9, T126N, R76W.

The applicable portions of Water Right No. 3684B-3 are incorporated into this Water License.

(2) It is certified that the permit holders have 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 1.89 cubic feet of water per second for beneficial use. The location of the diversion point is in the approximate center of the NW ¼ Section 16, T126N, R76W.

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

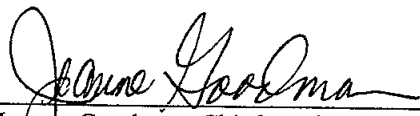
Section 9, T126N, R76W		Section 16, T126N, R76W	
NW ¼ SW ¼	18 acres	NE ¼ NW ¼	34 acres
NE ¼ SW ¼	34 acres	NW ¼ NW ¼	34 acres
SW ¼ SW ¼	34 acres	SW ¼ NW ¼	34 acres
SE ¼ SW ¼	34 acres	SE ¼ NW ¼	34 acres
256 acres			

*Note: SW ¼ Section 9 retains a priority date of November 16, 2006, as established under No. 6771-3
NW ¼ Section 16 retains a priority date of February 28, 1977 as established under No. 3684B-3*

(4) Pursuant to South Dakota Water Law 46-5-30.1 Randy and Anita Geffre, 11360 307th Ave, Mound City SD 57646 the holders and/or owners of Incorporated Water Right No. 6771-3 are issued a license to appropriate water, the right to use 1.89 cubic feet of water per second from ground water, one well (Grand Aquifer) with priority dates of February 28, 1977 and November 16, 2006 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. 6771-3 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.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.


Jeanne Goodman, Chief Engineer

Water Rights Program
Department of Environment and Natural Resources

MAR 08 2017

date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAR 08 2017

3684B-3
6771-3

Randy & Anita Geffre
11360 307th Ave
Mound City SD 57646

Dear Mr. & Mrs. Geffre:

Enclosed is Water License No. 6771-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6771-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Sincerely,

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

enclosures

Note: Upon licensing, the applicable portions of Water Right No. 3684B-3 were incorporated into Water License No. 6771-3.

6771-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW 1/4 Sec 16 Twp 126N Rg 76W
 County SE NW per 4th 9/10/19 North

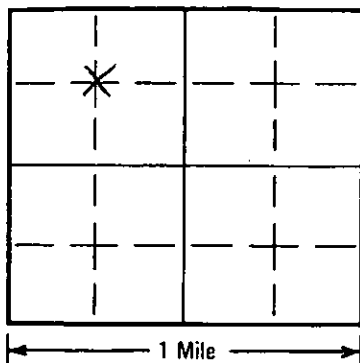
Campbell

Please mark well location with an "X"

Lat. 45.7349 W

Long. 100.0429
 Well Completion Date

06-15-19



LOCATION:

Distance from 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:

Forward Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>S&P-21</u> LB/FT	<u>12</u> IN	<u>-1 1/2</u> FT	<u>225</u> FT	<u>17 1/2</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>DF</u>	<u>60</u>	<u>9.9</u> lb./gal	<u>0</u> ft.	<u>160</u> ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure Treme to above
gravel - Pump grout till comes to top

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12 IN Length 20 FEETMaterial Stainless SteelSlot Size 60 Set From 225 Feet to 245 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: Chlorine

Laboratory sent to for water
 quality analysis _____ NO, Why Not? _____

Well Owner: Randy Giffre

Business Name: _____

Address: 11360 307th Ave
Mound City SD 57646

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top</u>	<u>0</u>	<u>2</u>
<u>Med Brown sand</u>	<u>2</u>	<u>18</u>
<u>Brown clay</u>	<u>18</u>	<u>22</u>
<u>Med grayish sand</u>	<u>22</u>	<u>34</u>
<u>Gray clay</u>	<u>34</u>	<u>212</u>
<u>Clay & Rocks</u>	<u>212</u>	<u>224</u>
<u>Drilled Hard</u>		
<u>med-course chattery</u>	<u>224</u>	<u>245</u>
<u>sand & gravel</u>		

STATIC WATER LEVEL 41 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

55.1 ft. After 3 Hrs. pumped 400 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 800 GPM

REMARKS

Replacement Well

This well was drilled under license # PR 434

And this report is true and accurate.

Drilling firm M & W Drilling

Signature of License Representative:

Wayne Doty

RECEIVED

AUG 21 2019

Signature of Well Owner or Equitable Property Holder:

Randy Giffre

WATER RIGHTS PROGRAM

Date: 06-15-19