

WATER PERMIT NO. 7112-3

Name of Applicant: **Paul M Buckneberg**

Address: **45886 294th St, Centerville SD 57014**

Phone: **605 563-2434**

Amount of Water Claimed: **1.78 cfs**

Total Acres: **240**

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

Water to be used for: **irrigation**

County: **Turner**

Type of Waste Disposal System: **NA**

Location: **½ northeast Centerville**

PRIORITY

Date Received: **3-18-09**

Application/License Fee: **\$325**

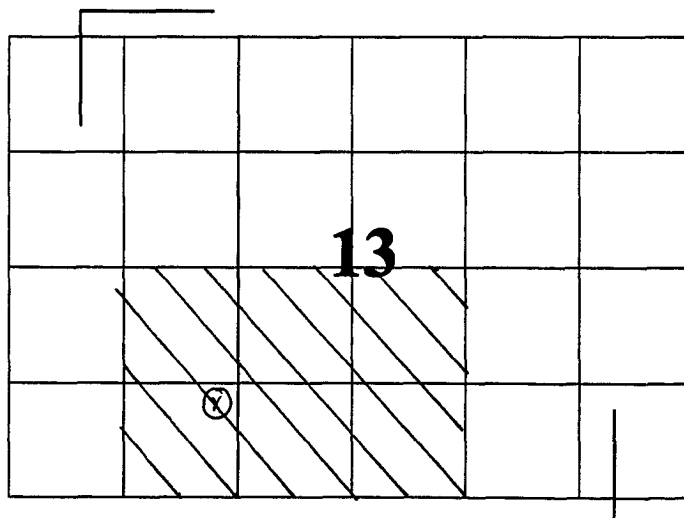
Corrected Application Received: **3-23-09**

Period of Annual Use: **April 1 – October 31**

Remarks:

Diversion Point: **SW ¼ SW ¼ Sec 13-T96N-R53W**

Land to be Irrigated: **SW ¼, W ½ SE ¼ Sec 13-T96N-R53W**



Depth of Well: **100-120 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Edie Schoenwald, Turner Co FSA**

Reviewed and the Number Assigned on: **3-23-09**

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>7112-3</u> (office use only) Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Centerville Journal PO Box 11</u>
	<u>605-563-2351</u> <u>52014</u>

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MAR 18 2009
WATER RIGHTS
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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 Paul Buckneberg, Owner Phone (605) 563-2434
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 45886 294th Street Centerville State SD 57014-6732
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.78*CFS or 800 **GPM ***AF Total Acreage 240
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply ground water 1 well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Turner
1 well in SW 1/4 SW 1/4 section 13 T-96-N R-53-W
- County or counties where water will be used Turner
- Annual period during which water is to be used April 1 - 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
SW 1/4 SW 1/4 section 13 T-96-N R-53-W	40	NW 1/4 SE 1/4 section 13 T-96-N R-53-W	40
NW 1/4 SW 1/4 section 13 T-96-N R-53-W	40	SW 1/4 SE 1/4 section 13 T-96-N R-53-W	40
NE 1/4 SW 1/4 section 13 T-96-N R-53-W	40		
SE 1/4 SW 1/4 section 13 T-96-N R-53-W	40		

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

The plan is to put a well and pivot on the SW 1/4 of sec 13 96-53. Then later put a pivot on the 80 A. that connects to it on the east side, using the same well.

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, Paul Buckneberg, Owner, 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

Paul Buckneberg

Subscribed and sworn to before me this 16th day of March 2009

Donald A. MullerNotary Public signature 8/25/12

**SOUTH DAKOTA
WATER PERMIT NO. 7112-3**

Date of first receipt of application March 18, 2009.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7112-3 to Paul M Buckneberg, 45886 294th 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. 7112-3 appropriates 1.78 cubic feet of water per second (cfs) from one well to be completed into the Niobrara Aquifer (approximately 100-120 feet deep) located in SW 1/4 SW 1/4 Section 13 to irrigate 240 acres located in the SW 1/4, W 1/2 SE 1/4 Section 13; all in T96N-R53W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is March 18, 2009.
4. The date of approval of Permit No. 7112-3 is June 1, 2009.
5. One-fifth of the construction is to be completed on or before December 1, 2011.
6. All construction is to be completed on or before June 1, 2014.
7. Water is to be put to beneficial use on or before June 1, 2018.
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. 7112-3 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.

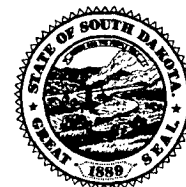
WATER MANAGEMENT BOARD

By: Garland Erbele

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

AUG 14 2009

date



Info To be FAXed ^(type or print in ink) in by Dick Hammond

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth 100-120'
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
- On applicants property _____ On property owned by others _____

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 _____

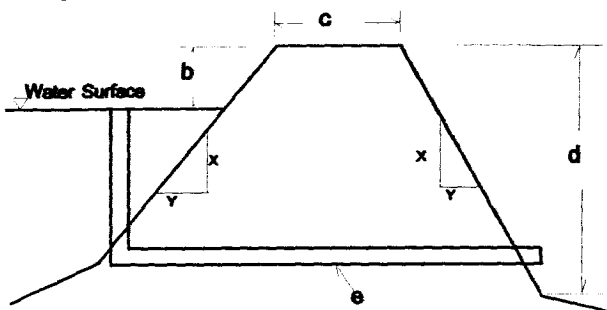
3. Dugout Information

- 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:

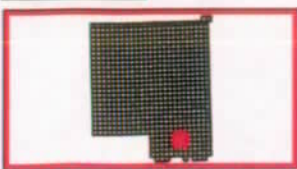


- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

Edie Schoenwalder, PT
Turner County FSA 3/12/09



USDA - Farm Service Agency



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Turner County, SD

13-96N-53W

1:8,754

November 25, 2008

Legend

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

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions



USDA FSA maps are for FSA Program administration only. There is no guarantee or representation to the user as to the accuracy, currency, suitability or reliability. FSA MAPS DO NOT REPRESENT A LEGAL SURVEY. The user accepts the data 'as is' and assumes all risks associated with its use. Wetland points reflect records available with NRCS and may or may not constitute a full inventory of the property. 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. Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and

Automatic Irrigation Inc.



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

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MAR 18 2009

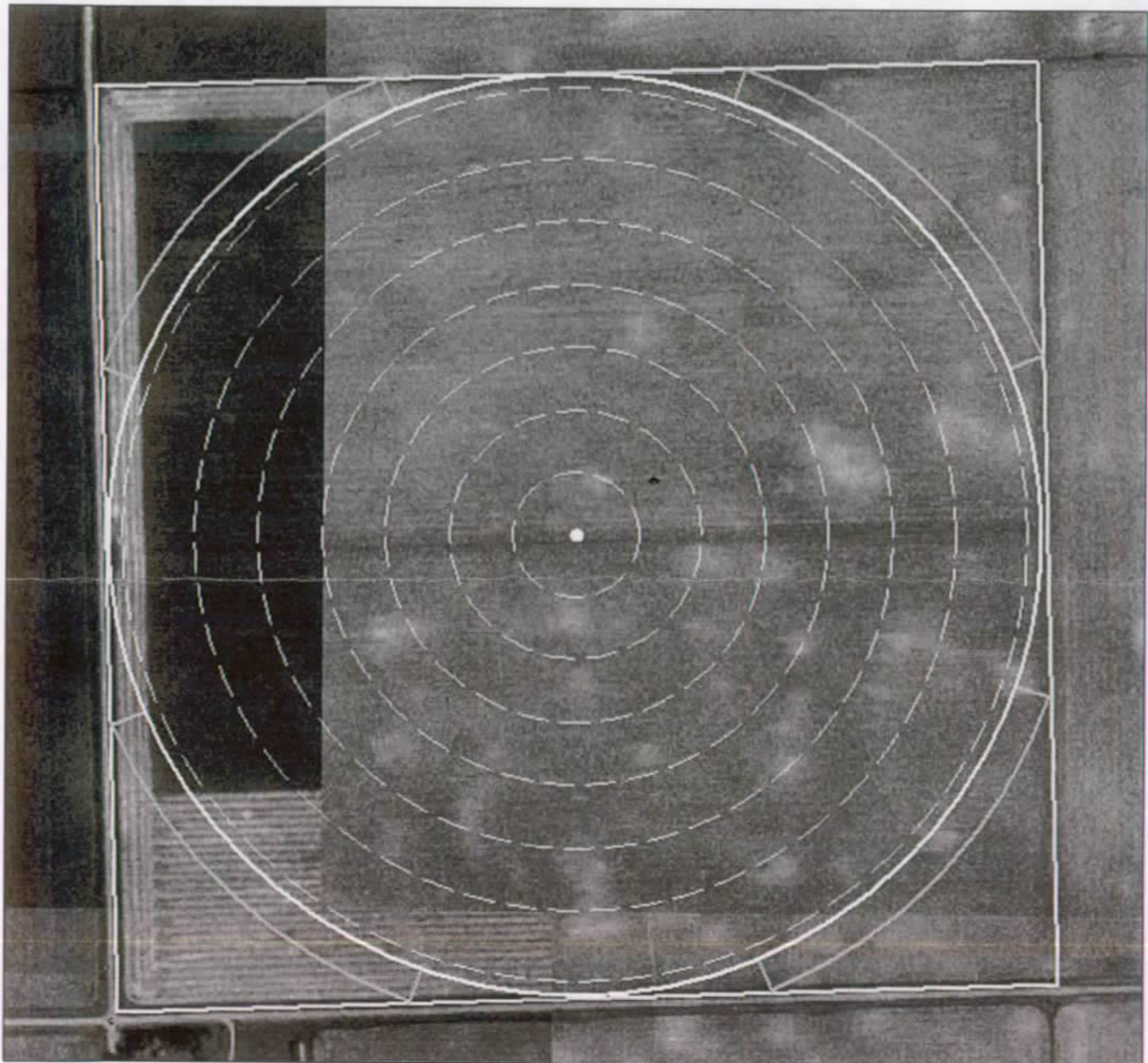
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Farm: Daneville

Grower: Paul Buckneberg

1/30/2008

Systems:	Length	Spans	Total area including endgun
☐ Daneville	1313.92 ft	7 spans + 33 ft o.h.	134.97 acres



SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location ne $\frac{1}{4}$ sw $\frac{1}{4}$ Sec 13 Twp 096n Rg 53w

County

Turner

North

Please mark well
location with an "X"

W

E

Well Completion Date

3/3/2009

1 Mile

Distance to nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? 1,400.0 ft. from abandoned well (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Direct rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other
If other describe none

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	Ft	Ft
Bent Grt	5	9.4	0.0	110.0

Describe grouting procedure
through drill rods at TD

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information NA

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☒ No, Why Not? NA
Lab sample sent to for
water quality analysisWell Owner: Paul Buchneberg

Business Name: _____

Address: 45886 294th StreetCity, State, Zip: Centerville SD 57014

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Silt, Yellow brown, pebbly, clayey, till	0	11
Siltstone, Yellow, calcareous (Kn)	11	38
Siltstone, Gray, calcareous (Kn)	38	106
moderate to strong water loss		
Shale, dark gray brown, (Kc)	106	110

STATIC WATER LEVEL 31.0 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

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Irrigation test hole, plugged and abandoned.

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: 3-27-09

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RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 3/18, 20 09

RECEIVED OF Paul Buckneberg 45886 294th St Centerville SD 57014

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

Fee for Application for Permit No. <u>7112-3</u> to Appropriate Water, to construct and to put water to beneficial use	275	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	275 00

No.

04081

By Laurel Erbe
Chief Engineer

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 3/23, 20 09

RECEIVED OF Paul Buckneberg 45886 294th St Centerville SD 57014

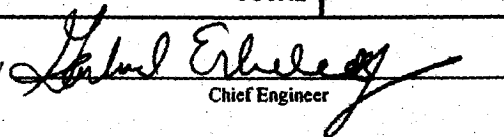
The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	50 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>7112-3</u>		
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	50 00

No.

04088

By


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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7112-3, Paul M. Buckneberg**

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. 7112-3, Paul M Buckneberg, 45886 294th Street, Centerville SD 57014.

The Chief Engineer is recommending APPROVAL of Application No. 7112-3 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. 7112-3 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
May 6, 2009

NOTE: An important consideration in developing an irrigation project is assessing the compatibility of the soils with the quality of the water to be used for irrigation. The staff report on this application indicates that the Niobrara Formation may not be well suited for irrigation due to its relatively high sodium-adsorption ratio. Reduced crop yield and damage to the soil structure may occur without proper irrigation management. A soil/water analysis and implementation of an irrigation management plan may prove valuable in successfully developing this irrigation project.

**Report on Water Permit Application No. 7112-3 & 7113-3
for Paul Buckneberg
March 30, 2009**

Application No. 7112-3 proposes to appropriate 800 gallons per minute (1.78 cfs) from one well approximately 110 feet deep to be completed into the Niobrara Formation aquifer located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13 to irrigate 240 acres in the SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, Section 13; all in T96N-R53W in Turner County. The annual period during which water will be used is April 1 through October 31.

Application No. 7113-3 proposes to appropriate 1,600 gallons per minute (3.56 cfs) from two wells approximately 110 feet deep to be completed into the Niobrara Formation aquifer located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19 and the approximate center of the SE $\frac{1}{4}$ Section 18 to irrigate 320 acres in the NE $\frac{1}{4}$ Section 19 and SE $\frac{1}{4}$ Section 18; all in T96N-R52W in Turner County. The annual period during which water will be used is April 1 through October 31.

AQUIFER: Niobrara Formation (NBRR)

This report will address the availability of unappropriated water from the Niobrara Formation aquifer.

WATER AVAILABILITY
Aquifer Characteristics:

The Niobrara Formation underlies about 729 square miles and is estimated to contain 6.998 million acre-feet of water in storage in both Turner and Hutchinson counties (Hansen, 1990). The location for these applications is in area C as described in the Hansen Report and the direction of ground water movement is to the east. Predominant chemical constituents in water from the Niobrara aquifer are calcium, sodium, and sulfate. Dissolved-solids concentrations ranged from 560 to 2,490 mg/L and averaged 1,510 mg/L. Hardness concentrations ranged from 110 to 1,300 mg/L and averaged 650 mg/L. Predominant chemical constituents in water from most of area C were calcium and sulfate. Water from the Niobrara aquifer is used for stock watering, domestic, municipal, and irrigation purposes. Suitability of water from the aquifer for irrigation is limited to certain soil texture conditions because of its relatively high sodium-adsorption ratio (Hansen, 1990). The Niobrara aquifer appears to blend into the Parker Centerville aquifer directly to the east of these application locations.

Observation Well Data:

The Water Rights Program monitors two observation wells, TU-57D (Parker Centerville aquifer) and TU-77M (Upper Vermillion Missouri aquifer), both located within three miles of these application locations. Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years due to natural discharge and to pumping. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008). The hydrographs for these observation wells are included with this report. The nearest Niobrara observation well is over ten miles to the northwest and no hydrograph for that well is included with this report. These hydrographs are included because they should represent water levels for the Niobrara aquifer in this area even though they are for wells in a different aquifer.

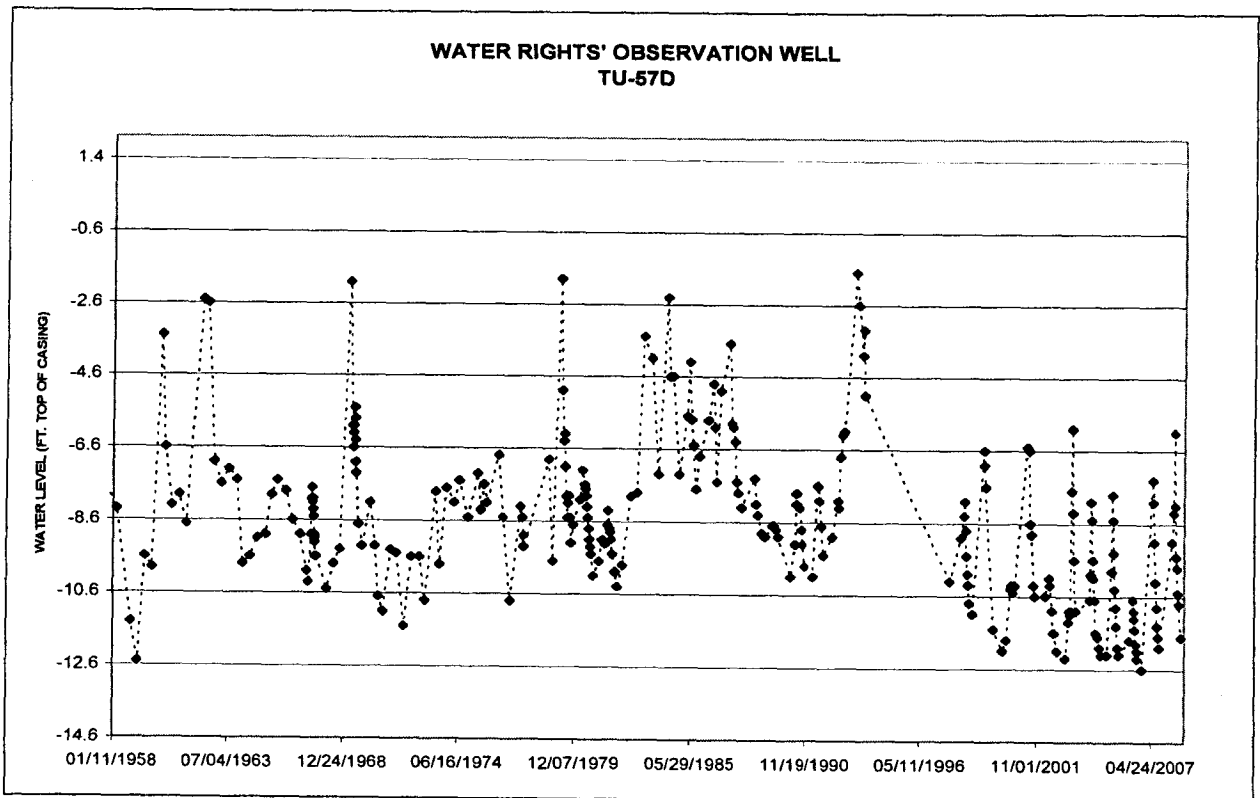


Figure 1. Hydrograph for Water Rights Observation Well TU-57D, completed into the Parker Centerville Aquifer within three miles of 7112-3 and 7113-3

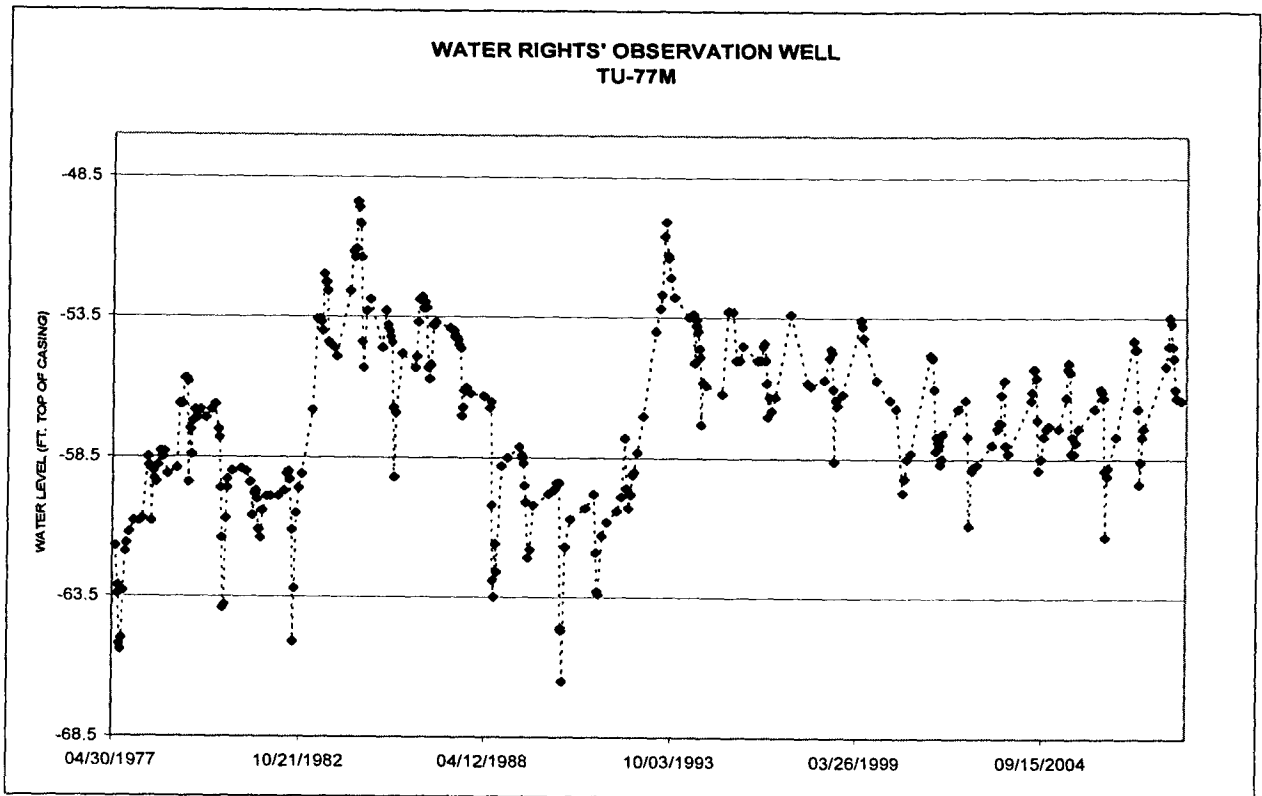


Figure 2. Hydrograph for Water Rights Observation Well TU-77M, completed into the Upper Vermillion Missouri Aquifer within three miles of 7112-3 and 7113-3

In general, the hydrographs show that over the period of record, withdrawals have not exceeded recharge.

Review of Existing Water Permits/Rights/Water Use:

There are no other water permits in this area which obtain water from the Niobrara Formation aquifer. Interference should not be a problem.

Conclusions:

1. Water is available from Niobrara Formation aquifer.
2. The aquifer appears to be under unconfined conditions at this location. The Niobrara is in all likelihood connected to the Parker Centerville aquifer just east of the application locations. It is not known how the Niobrara Formation aquifer will respond to pumping; well yields are not predictable. Actual production wells will need to be developed and pumped to answer yield and drawdown questions; however drawdown is not expected to be significant.
3. Water quality could be an issue. The water may not be suitable for irrigation. Suitability for irrigation is limited to certain soil texture conditions. It is recommended that the applicant make sure that the soil texture and water quality is compatible.

4. If the wells covered by these permits deplete the domestic supplies or interfere with prior water rights, restrictions, to the extent necessary, or the capacity of the wells or periods of operation or other arrangements may be required to protect these water supplies.
5. These wells must be constructed in accordance with SD Well Construction Standards.



Hayes Haas
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

Water Rights, 2009, Unpublished Observation Well Data for the Niobrara Formation, SD DENR, DES, Water Rights Program, Pierre, SD, 57501

AFFIDAVIT OF PUBLICATION
STATE OF SOUTH DAKOTA)

:SS
COUNTY OF TURNER)

Allyson M. Hill, being first duly sworn, on oath says the CENTERVILLE JOURNAL is a WEEKLY newspaper published in CENTERVILLE in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said CENTERVILLE JOURNAL; 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 14 day of May, 2009, ^{123.15}

and that the succeeding publications were severally

on Thursday, the 21 day of May, 2009; ^{118.52}

on Thursday, the ____ day of _____, 2009;

on Thursday, the ____ day of _____, 2009;

on Thursday, the ____ day of _____, 2009;

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 (\$ 41.67)

(x) Allyson M Hill Allyson M. Hill

Subscribed and sworn to before me this 30 day of

May, 2009

Notary Public
My commission expires 11/14/2012

SHANE HILL



**NOTICE OF APPLI-
CATION NOS. 7112-
3 and 7113-3 to
Appropriate Water**

Notice is given that Paul Buck-
neberg, 45886 294th St, Centerville
SD 57014 has filed the following
applications for a water permit.

Application No. 7112-3 pro-
poses to appropriate 1.78 cubic feet
of water per second (cfs) from one
well to be completed into the Ni-
obrara Aquifer (approximately 100-
120 feet deep) located in SW 1/4 SW
1/4 Section 13 to irrigate 240 acres
located in the SW 1/4, W 1/2 SE 1/4
Section 13; all in T96N-R53W.

Application No. 7113-3 propos-
es to appropriate 3.56 cfs from two
wells to be completed into the Ni-
obrara Aquifer (approximately 110
feet deep) located in the SW 1/4 NE
1/4 Section 19 and the approximate
center of the SE 1/4 Section 18 to ir-
rigate 320 acres in the NE 1/4 Sec-
tion 19 and SE 1/4 Section 18; all in
T96N-R52W.

Pursuant to SDCL 46-2A-2, the
Chief Engineer recommends AP-
PROVAL of Application Nos. 7112-
3 and 7113-3 because 1) unappropri-
ated water is available, 2) existing
rights will not be unlawfully im-
paired, 3) it is a beneficial use of wa-
ter, and 4) it is in the public interest.
In accordance with SDCL 46-2A-23,
the Chief Engineer will act on the ap-
plications, as recommended, unless a
petition is filed opposing the appli-
cations or the applicant files a peti-
tion contesting the Chief Engineer's
recommendations. If a petition op-
posing the applications or contesting
the recommendations is filed, then
a hearing will be scheduled and the
Water Management Board will con-
sider the applications. Notice of the
hearing will be given to the applicant
and any person filing a petition.

Any person interested in oppos-
ing or supporting these applications
or recommendations must file a writ-
ten petition with BOTH the applicant
and Chief Engineer.

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 June 1, 2009.

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 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 7, 2009

Centerville Journal
PO Box H
Centerville SD 57014

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application Nos. 7112-3 & 7113-3 to Appropriate Water to be published twice. Please publish the first notice on May 14, 2009 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 Paul Buckneberg, 45886 294th St., Centerville SD 57014 (Ph # 605-563-2434).

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. 7112-3 & 7113-3

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

Date _____

We are in receipt of your letter of May 7, 2009 enclosing Notice to Appropriate Water by Application Nos. 7112-3 & 7113-3 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 NEWSPAPERS RIGHT AWAY.

May 7, 2009

Paul Buckneberg
45886 294th St
Centerville SD 57014

Dear Mr. Buckneberg:

Water Permit Application Nos. 7111-3, 7112-3, and 7113-3 for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice for 7111-3 has been sent to the Publisher of the Plain Talk printed at Vermillion SD (Ph #605-624-2695). A notice for 7112-3 and 7113-3 has been sent to the Centerville Journal printed at Centerville SD (Ph #605-563-2351). You will need to contact the newspapers and authorize publication of these notices. For your information, a copy of the notices, the recommendations of the Chief Engineer and reports on the applications are enclosed. Please review the notices prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspapers to authorize publication of your Notices and to arrange for payment. Early contact with the papers can eliminate delays. Upon receiving authorization, the publishers have been instructed to publish your notices once each week for two consecutive weeks. The newspapers have 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 May 14, 2009 with the second publication 7 days later. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NOS. 7112-3 and 7113-3 to Appropriate Water

Notice is given that Paul Buckneberg, 45886 294th St, Centerville SD 57014 has filed the following applications for a water permit.

Application No. 7112-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Niobrara Aquifer (approximately 100-120 feet deep) located in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13 to irrigate 240 acres located in the SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 13; all in T96N-R53W.

Application No. 7113-3 proposes to appropriate 3.56 cfs from two wells to be completed into the Niobrara Aquifer (approximately 110 feet deep) located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 19 and the approximate center of the SE $\frac{1}{4}$ Section 18 to irrigate 320 acres in the NE $\frac{1}{4}$ Section 19 and SE $\frac{1}{4}$ Section 18; all in T96N-R52W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7112-3 and 7113-3 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 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 applications. 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 June 1, 2009.

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 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

AUG 14 2009

Paul M Buckneberg
45886 294th St
Centerville SD 57014

Dear Mr. Buckneberg:

Enclosed are Water Permit Nos. 7111-3, 7112-3 and 7113-3 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

Water Rights Program - File Documentation

NAME: Paul Buckneburg

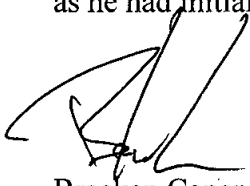
ADDRESS: 45886 294th St

DATE: 4/8/14 **COUNTY:** Turner **TELEPHONE:** 605 563 2434

RE: Regarding change of diversion point for Water Permit No. 7112-3

COMMENTS:

On April 8, 2014 I spoke to Mr. Buckneburg regarding a change of diversion point request for Water Permit No. 7112-3. He informed me during our phone call that the basis behind the request was that he could not find a suitable site in Section 13, T96N-R52W to construct a well as he had initially planned.



Bracken Capen
Water Rights Program

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

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	(office use only) No. _____ Hydrologic Unit _____
	Basin _____
	Newspaper _____

RECEIVED
APR - 2 2014
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 7112-3
(Use predates Mar 2, 1955)

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

change diversion point 46-5-13.1

1. Name to Appear on Irrigation Permit Paul and Colleen Buckneberg
(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent
(name and complete address if different than above name)

Mailing Address 45886 294th St. Centerville S.D. 57014
(Address) (City) (State) (Zip Code)

Home Phone 605-563-2434 Cell 530-0306 Email buck@ncinet.net

2. Amount of water claimed 0 *CFS or 0 **GPM 0 ***AF Total Acreage 0
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Permit 7113-3

4. Location of point of diversion Permit 7113-3 Utilizing the two existing wells to pump to permit 7112-3 County Turner
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

5. County or counties where water will be used Turner

6. Annual period during which water is to be used MAY - August

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

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

We will be pumping water from sections 18 & 19 of T96N R52W to section 13 of T96N R53W.

I, Paul Buckneberg, the applicant, certify that I have read this application, have examined the attached map, and ~~that~~ the matters stated are true.



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov



April 18, 2014

7112-3

Paul and Colleen Buckneberg
45886 294th St.
Centerville, SD 57014

Dear Mr. and Mrs. Buckneberg:

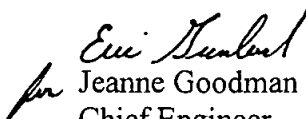
Water Permit No. 7112-3 appropriates 1.78 cubic feet per second (cfs) of water from a single well to be completed into the Niobrara aquifer at a depth of approximately 120 feet below ground surface. This well is to be located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, T96N-R53W and is to supply water to irrigate 240 acres in the SW $\frac{1}{4}$ (160 acres), W $\frac{1}{2}$ SE $\frac{1}{4}$ (80 acres) of the same section. The original permit is conditioned with an irrigation questionnaire qualification.

You have submitted a request to irrigate the land in Section 13 using two existing wells located in the SE $\frac{1}{4}$ of Section 18 and the NE $\frac{1}{4}$ of Section 19, T96N-R52W instead of from a well located in Section 13, T96N-R52W. The wells to be used are owned by you and are currently pumping water under Water Permit No. 7113-3. The wells in Sections 18 and 19 are completed into the Niobrara formation to depths of approximately 110 feet below ground surface. During a phone conversation on April 8, 2014, you indicated this change was due to an inability to find a suitable site for a well on Section 13.

Upon review of the request and pursuant to SDCL 46-5-13.1, the change in well location is authorized without application or publication of a notice of hearing pursuant to SDCL 45-2A-4. No increase in the authorized diversion rate of 1.78 cfs or the number of irrigated acres (240 acres) under Water Permit No. 7112-3 has been requested or approved. If the total diversion rate or the number of acres irrigated increases, a new water permit will need to be obtained from the SD DENR Water Rights Program. Similarly, if a suitable well site is found in Section 13, you will now be required to obtain a water permit for the additional diversion authority.

If you have any questions, please contact Bracken Capen at (605) 773-3352.

Sincerely,


Jeanne Goodman
Chief Engineer
Water Rights Program

File No. 7112-3

Approval of Change of Diversion Point

NAME: Paul and Colleen Buckneberg

ADDRESS: 45886 294th St., Centerville, SD 57014

DATE: April 11, 2014 **COUNTY:** Turner **TELEPHONE:** (605) 563-2434

BACKGROUND:

Water Permit No. 7112-3 appropriates 1.78 cubic feet per second (cfs) from a single well completed into the Niobrara aquifer at a depth of approximately 120 feet below ground surface. This well, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, T96N-R53W would supply water to irrigate 240 acres in the SW $\frac{1}{4}$ (160 acres), W $\frac{1}{2}$ SE $\frac{1}{4}$ (80 acres) of the same section. The original permit was conditioned with an irrigation questionnaire qualification.

Mr. Buckneberg submitted a request to irrigate the land in Section 13 using two existing wells located in the SE $\frac{1}{4}$ of Section 18 and the NE $\frac{1}{4}$ of Section 19, T96N-R52W instead of from a well located in Section 13, T96N-R52W. The wells to be used are owned by Mr. Buckneberg and are currently pumping water under Water Permit No. 7113-3. The wells on Sections 18 and 19 are completed into the Niobrara formation to depths of approximately 110 feet below ground surface. The basis behind this request is that Mr. Buckneberg has been unable to find a well location on Section 13 that provides sufficient water.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional points may be licensed provided the following conditions are met and the potential for interference with other existing diversion points is not increased.

- **Developed water source is the same as licensed source and no additional water is appropriated.**

The water source authorized by Water Right No. 7112-3 is the Niobrara aquifer. Both the originally proposed and existing diversion locations will be drawing water from the Niobrara aquifer.

No additional appropriation of water is authorized. Water Right No. 7112-3 appropriates 1.78 cfs and no additional diversion rate authority is being requested.

Review of Existing Diversions

The well completion report and water rights databases were reviewed for the nearest domestic wells and water rights/permits on file. The nearest water permit (7514-3) consists of a single well located approximately 3,400 feet to the west of the well located in the SE $\frac{1}{4}$ of Section 18,

T96N-R52W. At this distance, and given that the well in Section 18 will not increase its diversion rate as it supplies water to the irrigation system associated with Water Permit No. 7112-3, the chance for impairment of Water Permit No. 7514-3 is not expected to increase. There are no domestic wells on file within a one mile radius of the wells on Sections 18 and 19. Interference with domestic wells located over one mile away is not expected to be a concern.

Observation Well Data

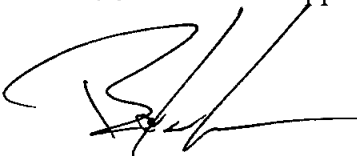
The Water Rights Program monitors a series of observation wells completed into the Niobrara aquifer. The closest observation well (TU-57D) is located approximately three miles to the east of the well sites on Section 18 and 19. This well has been in place since 1957 and shows static water level fluctuations of one to 13 feet below the top of the casing. Historic water levels in TU-57D show that aquifer levels are strongly influenced by seasonal pumping but do show a full recovery on an annual basis.

CONCLUSION:

- The diversion does not propose to appropriate additional water.
- The new diversion will be pumping water out of the same source, the Niobrara aquifer.
- Unlawful impairment of existing water rights/permits and domestic wells is not expected to occur.

RECOMMENDED ACTION:

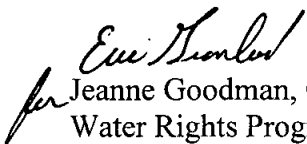
Based on the above criteria, it is recommended that the request for a change of diversion point from the SW $\frac{1}{4}$ of Sec 13, T96N-R53W to the SE $\frac{1}{4}$ of Section 18 and the NE $\frac{1}{4}$ of Section 19, T96N-R52W be approved.



Bracken Capen
Natural Resources Engineer

The Chief Engineer makes a finding pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14:01 that:

The change of a diversion point does not increase the potential for adverse effects to existing diversions.



Jeanne Goodman, Chief Engineer
Water Rights Program

Water Permit Nos. 7112-3 and 7113-3
Turner County

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, June 23, 2015 made a thorough examination of the water systems used by the Paul Buckneberg, 45886 294th St., Certerville, SD 57014, holder of Water Permit Nos. 7112-3 and 7113-3, both bearing the priority date of March 18, 2009. Water Permit No. 7112-3 authorizes the diversion of 1.78 cubic feet per second (cfs) or 800 gallons per minute (gpm) from one well completed into the Niobrara aquifer for the purpose of irrigating 240 acres in Turner County as follows: 40 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, 40 acres in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, 40 acres in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13, 40 acres in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13, 40 acres in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, and 40 acres in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, all in T96N-R53W.

Water Permit No. 7113-3 authorizes the diversion of 3.56 cubic feet per second (cfs) or 1,600 gallons per minute (gpm) from two wells completed into the Niobrara aquifer for the purpose of irrigating 320 acres in Turner County as follows: 40 acres in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, 40 acres in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, 40 acres in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, 40 acres in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, 40 acres in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, 40 acres in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, 40 acres in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, and 40 acres in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, all in T96N-R52W.

Since the initial approval of Water Permit Nos. 7112-3 and 7113-3, Paul Buckneberg has chosen to use the two wells associated with 7113-3 to supply the two pivots in Section 13, T96N-R53W authorized by 7112-3 in addition to the two pivots in Sections 18 and 19, T96N-R52W authorized by 7113-3.

On July 9, 2015 Water Permit No. 7112-3 was re-advertised to add a well, correct the well location, and to properly identify the source as the Pleistocene Unknown aquifer.

I have the following conditions to report for the system in question:

- 1) Works used to divert water:
Two American Marsh pumps at well sites and one Berkeley booster pump.
- 2) Works used to transport water to a place of use:
Underground and above ground pipes, 8 inch diameter.
- 3) Works used to apply water to beneficial use:
Two Zimmatic Pivots (7112-3) and two Growsmart Pivots (7113-3).

The system is in the following condition: well maintained. The wells associated with Water Permit Nos. 7112-3 and 7113-3 are located in the approximate center of the SE $\frac{1}{4}$ of Section 18 and the NE $\frac{1}{4}$ of Section 19, both in T96N-R52W. The exact locations the wells are as follows:

- 1) **1,300 feet north and 1,300 feet west of the southeast corner of Section 18, T96N-R52W.
Lat 43.13049N Lon 97.02740W.**
- 2) **1,300 feet south and 1,300 feet west of the northeast corner of Section 19, T96N-R52W.
Lat 43.12293N Lon 97.02733W.**

The lands irrigated by the fore mentioned well are as follows:

- 1) 37 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, T96N-R53W. (7112-3)
- 2) 38 acres in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, T96N-R53W. (7112-3)
- 3) 27 acres in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13, T96N-R53W. (7112-3)

- 4) 30 acres in the SW ¼ SE ¼ of Section 13, T96N-R53W. (7112-3)
- 5) 38 acres in the SE ¼ SW ¼ of Section 13, T96N-R53W. (7112-3)
- 6) 37 acres in the SW ¼ SW ¼ of Section 13, T96N-R53W. (7112-3)
- 7) 37 acres in the NW ¼ SE ¼ of Section 18, T96N-R52W. (7113-3)
- 8) 37 acres in the NE ¼ SE ¼ of Section 18, T96N-R52W. (7113-3)
- 9) 27 acres in the SE ¼ SE ¼ of Section 18, T96N-R52W. (7113-3)
- 10) 37 acres in the SW ¼ SE ¼ of Section 18, T96N-R52W. (7113-3)
- 11) 37 acres in the NW ¼ NE ¼ of Section 19, T96N-R52W. (7113-3)
- 12) 37 acres in the NE ¼ NE ¼ of Section 19, T96N-R52W. (7113-3)
- 13) 37 acres in the SE ¼ NE ¼ of Section 19, T96N-R52W. (7113-3)
- 14) 37 acres in the SW ¼ NE ¼ of Section 19, T96N-R52W. (7113-3)

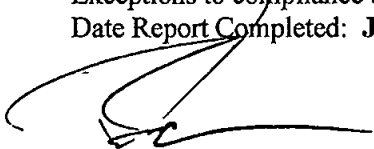
207 acres irrigated under Water Permit No 7112-3 and 286 acres irrigated under Water Permit No. 7113-3 for a total of 493 acres.

License should be issued for the developed diversion rates of: **1.78 cfs or 800 gpm (7112-3) and 3.56 cfs or 1,600 gpm (7113-3). The combined diversion rate is 5.34 cfs or 2,400 gpm.**

Applicable permit qualifications have been complied with: **Yes**

Exceptions to compliance are: **None**

Date Report Completed: **June 30, 2015**



Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR WATER PERMIT NOS. 7112-3 and 7113-3

DATE OF INVESTIGATION:	June 23, 2015
NAME & ADDRESS OF PERMIT HOLDER	Paul Buckneberg 45886 294th St. Certerville, SD 57014
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Paul Buckneberg
DIVERSION POINT LEGAL LOCATIONS	1,300 feet north and 1,300 feet west of the southeast corner of Section 18, T96N-R52W. Lat 43.13049N Lon 97.02740W. 1,300 feet south and 1,300 feet west of the northeast corner of Section 19, T96N-R52W. Lat 43.12293N Lon 97.02733W.

WELL INFORMATION:

- 1) Well Drilling Firm:
Hammond Wetmore Drilling
- 2) Number of Wells: **2**
- 3) Depth: **80, 95 feet**
- 4) Well Logs Available: **Yes**
- 5) Comment:

Pumps

- 1) Make: **American Marsh (x2) and 1
Berkeley booster pump.**
- 2) Model: **12KS (American Marsh)**
- 3) Size:
- 4) Capacity: **800 gpm or 1.78 cfs (x2)**

Casing

- 1) Diameter: **16 inches**
- 2) Length: **50, 55 feet**
- 3) Type: **Plastic**

Screen

- 1) Type: **Manufactured**
- 2) Length: **30, 40 feet**
- 3) Static Water Level: **23, 15.7 feet**

Motor

- 1) Make:
- 2) Model No:
- 3) Power: **80 hp (x2)**

System Type

- 1) Make: **Growsmart Pivot (x2, 7113-
3) Zimmatic Pivot (x2, 7112-3)**
- 2) Overall length: **1,300 feet**
- 3) Number of Towers: **7 towers (x2,
7113-3) 7 and 6 towers (x2, 7112-
3)**
- 4) Distance Between Towers:
- 5) End Gun: **Yes for all**
- 6) Pressure:
- 7) Capacity: **800 gpm (x2, 7113-3)
1,100 gpm (x2, 7112-3)**

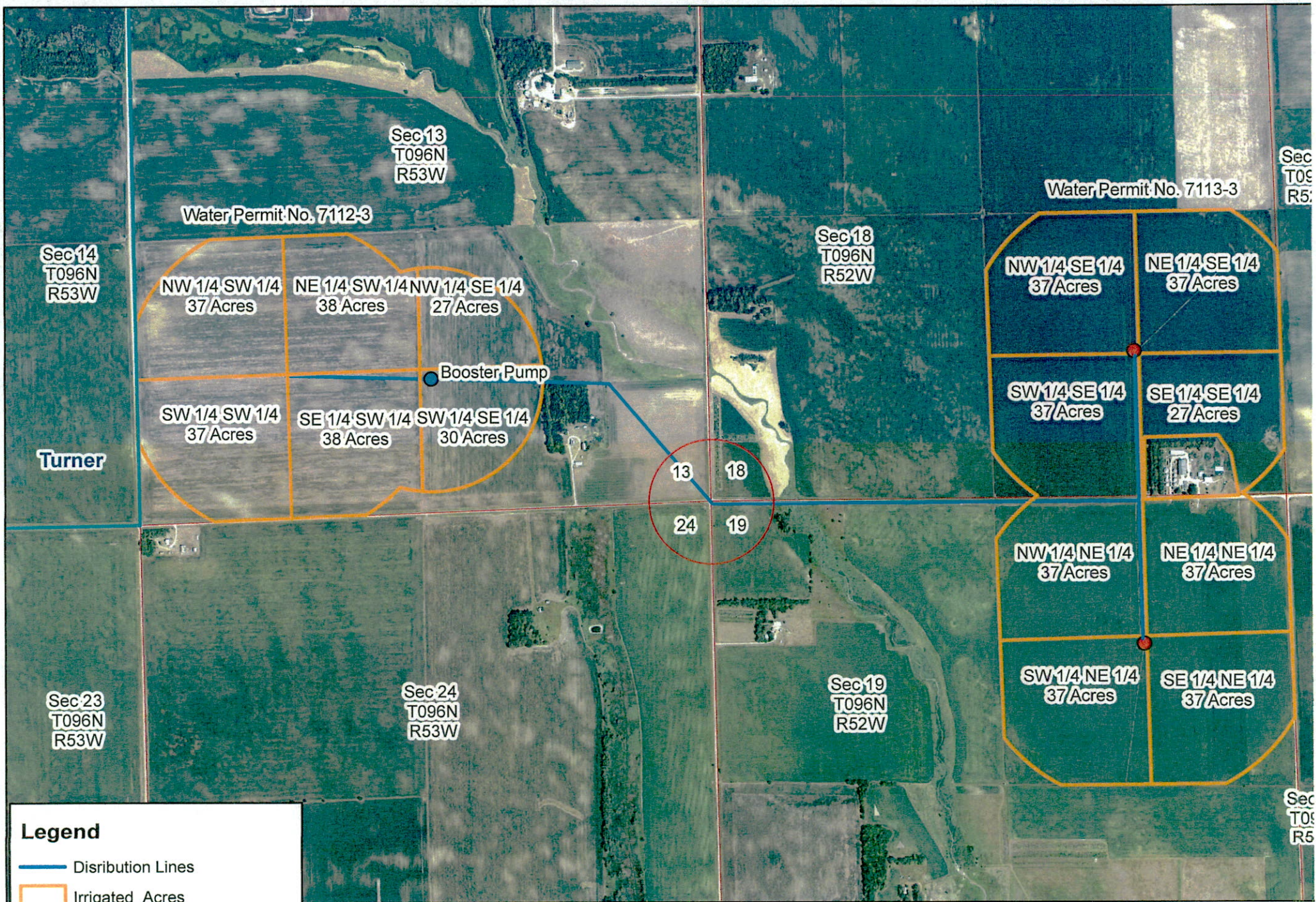
CHEMIGATION EQUIPMENT: No

- 1) Mainline Check Valve:
- 2) Low Pressure Drain:
- 3) Inspection Port/Air Relief:
- 4) Discharge 20 Feet Away:
- 5) Injection Line Check Valve or
Positive Displacement Pump:
- 6) Injection Check Valve:
- 7) Properly Installed:

PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by: **N/A**
- 2) All structures, wells, and lands on map: **Yes**
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period: **Yes, 7112-3 reported irrigation in 2014 and 7113-3 reported irrigation from 2011 to present.**

COMMENTS: The capacity of the pivots authorized by Water Permit No 7112-3 is greater than the maximum authorized diversion rate.



Legend

- Distribution Lines
- Irrigated Acres
- Section Boundaries - PLSS
- Well Locations
- Booster Pump



0 0.075 0.15 0.3 Miles

Prepared by Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program

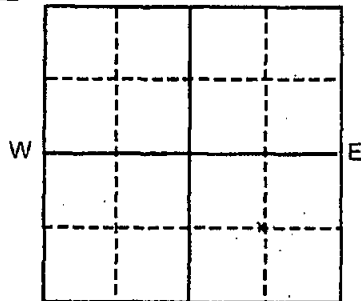


SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location nw 1/4 se 1/4 Sec 18 Twp 96n Rg 52wCounty turner

North

Please mark well
location with an "X"

Well Completion Date

7/12/12

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
1,500.0 ft. from septic tank (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

bucket

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	16.00 IN	0.0 FT	50.0 FT	24.00 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
bentonite	18	Lb/gal	0.0 Ft	40.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
tremie method

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 30.0 FeetMaterial pvcSlot Size .060 Set From 50.0 Feet to 80.0 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?☒ No, Why Not? NALab to which water
quality sample sent for analysisWell Owner: Paul Buchneberg

Business Name:

Address: 45866 294th StreetCity, State, Zip: Centerville SD 57014

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Silt, clayey, brown, Loess?	0	4
Clay, brown, silty, pebbly, Till	4	34
Clay, gray, silty, pebbly, till	34	48
gravel, med to coarse, sandy	48	79
siltstone, gray, calcareous (Niobrara)	79	80

STATIC WATER LEVEL 23.0 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: air lift development, 2 hours
☐ Balled
☒ Other

Pumping Level Below Land Surface

31.0 Ft. After 2.0 Hrs. pumped 825.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: 800.0 GPM

REMARKS

RECEIVED

FEB - 1 2013

WATER RIGHTS
PROGRAMThis 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: 12-12-12

7113-3

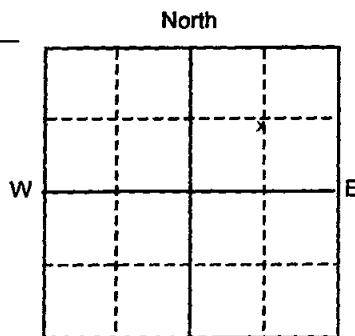
SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location sw 1/4 ne 1/4 Sec 19 Twp 096n Rg 52wWell Owner: Paul Buchneberg

Business Name: _____

Address: 45866 294th StreetCity, State, Zip: Centerville SD 57014County DayPlease mark well
location with an "X"

Well Completion Date

December 15, 2010

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2,700.0 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>55.0</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 grout</u>	<u>21</u>	<u>9.5</u> Lb/gal	<u>0.0</u> Ft	<u>50.0</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
tremie

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 40.0 FeetMaterial pvcSlot Size .060 Set From 55.0 Feet to 95.0 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? bleach/water
☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Clay, brown, pebbly	0	29
Clay, gray brown, pebbly	29	52
Gravel, fine to med, sandy	52	96

STATIC WATER LEVEL 15.7 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

26.5 Ft. After 3.0 Hrs. pumped 750.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

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: Dec 23, 2010

RECEIVED

FEB - 4 2011

WATER RIGHTS
PROGRAM

Water Rights Program - File Documentation

NAME: Paul Buckneberg

ADDRESS: Centerville SD

DATE: 6-30-15 **COUNTY:** Turner **TELEPHONE:**

RE: Water Source

COMMENTS:

On June 1, 2009, Water Permit No. 7112-3 was approved to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Niobrara Aquifer (approximately 100-120 feet deep) located in SW 1/4 SW 1/4 Section 13 to irrigate 240 acres located in the SW 1/4, W 1/2 SE 1/4 Section 13; all in T96N-R53W.

On April 18, 2014, a change in diversion point was issued authorizing Mr. Buckneberg use of the two wells authorized by Water Permit No. 7113-3 to irrigate the lands authorized by Water Permit No. 7112-3 with no increase in the 1.78 cfs diversion rate. Mr. Buckneberg indicated the change was requested due to an inability to find a suitable site for a well in Section 13.

Water Permit No. 7113-3 appropriates 3.56 cfs from two wells completed into the Pleistocene Unknown Aquifer (80 and 95 feet deep) located in the approximate center of the SE 1/4 Section 18 and the approximate center of the NE 1/4 Section 19; all in T96N-R52W. Water Permit No. 7113-3 was initially issued for wells to be completed in the Niobrara aquifer but it was later determined the water source was misidentified. Permit No. 7113-3 was readvertised to correctly identify the water source and the permit was reissued.

Readvertisement of Permit No. 7112-3 is necessary to correct the aquifer designation. The lands authorized for irrigation under Permit No. 7112-3 are utilizing water from wells located into the Pleistocene Unknown Aquifer and not the Niobrara Aquifer as originally permitted.


Karen Schlaak
Water Rights Program



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

July 2, 2015

Paul Buckneberg
45886 294th Street
Centerville SD 57014

Dear Mr. Buckneberg:

On June 23rd, Bracken Capen conducted licensing investigation of Water Permit No. 7112-3 and 7113-3. Upon writing up his report of the on-site visit, an issue was found regarding the water source identified for Permit No. 7112-3 that will require readvertisement of the public notice.

Water Permit Nos. 7112-3 and 7113-3 were issued in 2009 for irrigation from wells to be completed into the Niobrara aquifer. When the well completion reports were submitted for wells authorized by Permit No. 7113-3, it was discovered that the aquifer was misidentified and should be Pleistocene Unknown aquifer. To remedy this, Permit No. 7113-3 was readvertised.

In 2014, you filed a change of diversion point for Permit No. 7112-3 to use the two existing wells authorized by Permit No. 7113-3 since you were unable to find a suitable site in Section 13, T96N, R53W. The change was approved but what was overlooked is the fact that the water source for Permit No. 7112-3 is identified as the Niobrara aquifer and the actual two wells in use were completed into the Pleistocene Unknown aquifer. This now necessitates readvertisement of Permit No. 7112-3 to correctly identify the water source for irrigation of acres in Section 13. The readvertisement also specifies the actual location of the two wells authorized by Permit No. 7113-3.

Attached is the notice to be published July 9, 2015 in the Centerville Journal and the Press & Dakotan to readvertise Permit No. 7112-3. The Water Rights Program will pay for the cost of publication.

Please let me know if you have any questions.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
Eric.gronlund@state.sd.us

enclosure

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, July 01, 2015 3:58 PM
To: 'Tera Schmidt'
Subject: 7112-3, Paul Buckneberg
Attachments: 7112-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on July 9, 2015

Please bill the Water Rights Program for the cost of the publications

Please send the affidavit or return the attached Proof of Publication form ASAP. If you have questions, please contact me.

Karen Schlaak

Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, July 30, 2015 11:18 AM
To: journal@iw.net
Subject: FW: 7112-3, Paul Buckneberg
Attachments: 7112-3public.short.docx; FORM8.FRM.doc

I still have not received the affidavit and bill for this publication.

From: Schlaak, Karen
Sent: Thursday, July 23, 2015 12:43 PM
To: journal@iw.net
Subject: FW: 7112-3, Paul Buckneberg

Please send me the affidavit and bill for this notice .
Thanks.

From: Schlaak, Karen
Sent: Wednesday, July 01, 2015 3:59 PM
To: 'journal@iw.net'
Subject: FW: 7112-3, Paul Buckneberg

Attached is a notice to be published on July 9, 2015

Please bill the Water Rights Program for the cost of the publications

Please send the affidavit or return the attached Proof of Publication form ASAP. If you have questions, please contact me.

Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

RECEIVED

JUL 15 2015

WATER RIGHTS
PROGRAM

AFFIDAVIT OF PUBLICATION

YANKTON DAILY PRESS AND DAKOTAN

Department of Environment and Natural Resources
Attn: Water Rights Program
523 E. Capitol Ave.
Pierre, SD 57501

STATE OF SOUTH DAKOTA
COUNTY OF YANKTON

KELLY HERTZ BEING FIRST DULY SWORN ON OATH DEPOSES
AND SAYS THAT HE IS THE MANAGING EDITOR OF, YANKTON
MEDIA INC, A CORPORATION, THE PRINTER AND THE PUBLISHER OF THE
YANKTON DAILY PRESS AND DAKOTAN, A LEGAL DAILY NEWSPAPER
PUBLISHED AND CIRCULATED IN THE CITY OF YANKTON, SAID COUNTY
AND STATE, AND ONE OF THE OFFICIAL NEWSPAPERS OF THE SAID
COUNTY OF FACTS STATED IN THIS AFFIDAVIT; THAT THE ANNEXED
Readvertisement of Notice of Permit 7112-3

TAKEN FROM THE PAPER, IN WHICH IT WAS LAST PUBLISHED IN THE
NEWSPAPER ON THE 9th DAY OF July 2015
THAT THE FULL AMOUNT OF THE FEE CHARGED FOR THE PUBLICATION
OF SAID NOTICE TO WIT \$34.42 ENSURES TO THE
BENEFITS OF THE PUBLISHER OF SAID NEWSPAPER AND THAT NO
AGREEMENT AND UNDERSTANDING FOR THE DIVISION THEREOF HAS
BEEN MADE WITH ANY OTHER PERSON, AND THAT NO PART THEREOF
HAS BEEN AGREED TO BE PAID TO ANY PERSON WHOMSOEVER.

PUBLISHED ON: 7/9/2015

FILED ON: 7/9/2015

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9th DAY OF July 2015

NOTARY PUBLIC, SOUTH DAKOTA

MY COMMISSION EXPIRES

8/19/2015

tained. Information concerning
this application is available at
<http://denr.sd.gov/public>. Con-
tact Eric Gronlund at the above
Water Rights Program address to
request copies of information per-
taining to this application. Steven
M. Pirner, Secretary, Department
of Environment and Natural Re-
sources.
Published once at the total ap-
proximate cost of \$34.42.

7-9

Readvertisement of Notice of
Permit Application No. 7112-3 to
Appropriate Water

Notice is given of readvertisement
of Water Permit No. 7112-3 held
by Paul Buckneberg, 45886 294th
St, Centerville SD 57014. Water
Permit No. 7112-3 was issued ap-
propriating 1.78 cubic feet of wa-
ter per second (cfs) from one well
to be completed into the Niobrara
Aquifer (approximately 100-120
feet deep) located in SW 1/4 SW
1/4 Section 13 to irrigate 240
acres located in the SW 1/4, W
1/2 SE 1/4 Section 13; all in
T96N-R53W. An inspection of
Water Permit No. 7112-3 found
207 acres, located in the area
identified above, being irrigated
from two wells completed into the
Pleistocene Unknown Aquifer (80
and 95 feet deep) located in the
approximate center of the SE 1/4
Section 18 and the approximate
center of the NE 1/4 Section 19;
all in T96N-R52W. Readvertis-
ment is necessary to add an addi-
tional well, correct the well loca-
tion and properly identify the
aquifer which is the Pleistocene
Unknown Aquifer. Water Permit
No. 7113-3 authorizes irrigation
from the same wells. This read-
vertisement does not authorize
any increase in the 1.78 cfs pump
rate or acres irrigated by Water
Permit No. 7112-3.

Pursuant to SDCL 46-2A-2, the
Chief Engineer recommends ap-
proval of reissuance of Permit No.
7112-3 because 1) unappropriat-
ed water is available, 2) existing
rights will not be unlawfully im-
paired, 3) it is a beneficial use of
water, and 4) it is in the public in-
terest. In accordance with SDCL
46-2A-23, the Chief Engineer will
act on this application, as recom-
mended, unless a petition is filed
opposing the application or the
applicant files a petition contest-
ing the Chief Engineer's recom-
mendation. If a petition opposing
the application or contesting the
recommendation is filed, then a
hearing will be scheduled and the
Water Management Board will
consider this application. Notice
of the hearing will be given to the
applicant and any person filing a
petition.

Any person interested in opposing
or supporting this application or
recommendation must file a writ-
ten petition with BOTH the appli-
cant and Chief Engineer. The ap-
plicant must file a petition if con-
testing the Chief Engineer's recom-
mendation. The Chief Engi-
neer'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 in-
terested person or the applicant must
be filed by July 20, 2015.

The petition may be informal, but
must include a statement describ-
ing the petitioner's interest in the
application, the petitioner's rea-
sons for opposing or supporting
the application, and the signature
and mailing address of the peti-
tioner or the petitioner's legal
counsel, if legal counsel is ob-

RECEIVED

JUL 31 2015

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 CENTERVILLE JOURNAL is a WEEKLY newspaper published in CENTERVILLE in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said CENTERVILLE JOURNAL; 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

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

notice in said newspaper aforesaid was on Thursday

the 9 day of July, 2015,

and that the succeeding publications were severally

on Thursday, the ____ day of _____, 2015;

on Thursday, the ____ day of _____, 2015;

on Thursday, the ____ day of _____, 2015;

on Thursday, the ____ day of _____, 2015;

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 (\$ 27.54)

(x) Allyson M. Hill Allyson M. Hill

Subscribed and sworn to before me this 28 day of

July, 2015

Notary Public

My commission expires 11/14/2018

PAGE 11

**Readvertisement
of Notice of
Permit Application
No. 7112-3 to
Appropriate Water**

Notice is given of readvertisement of Water Permit No. 7112-3 held by Paul Buckneberg, 45886 294th St, Centerville SD 57014. Water Permit No. 7112-3 was issued appropriating 1.78 cubic feet of water per second (cfs) from one well to be completed into the Niobrara Aquifer (approximately 100-120 feet deep) located in SW 1/4 SW 1/4 Section 13 to irrigate 240 acres located in the SW 1/4, W 1/2 SE 1/4 Section 13; all in T96N-R53W. An inspection of Water Permit No. 7112-3 found 207 acres, located in the area identified above, being irrigated from two wells completed into the Pleistocene Unknown Aquifer (80 and 95 feet deep) located in the approximate center of the SE 1/4 Section 18 and the approximate center of the NE 1/4 Section 19; all in T96N-R52W. Readvertisement is necessary to add an additional well, correct the well location and properly identify the aquifer which is the Pleistocene Unknown Aquifer. Water Permit No. 7113-3 authorizes irrigation from the same wells. This readvertisement does not authorize any increase in the 1.78 cfs pump rate or acres irrigated by Water Permit No. 7112-3.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends approval of reissuance of Permit No. 7112-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and

SHANE HILL



NOTARY PUBLIC
SOUTH DAKOTA



4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 20, 2015.

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. Information concerning this application is available at <http://denr.sd.gov/public>. 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.

Published once at the total approximate cost of \$27.54

August 4, 2015

PAYMENT REQUEST FORM

PAYEE: Centerville Journal
PO Box H
Centerville SD 57014

FROM: DENR Water Rights Program
523 E. Capitol Ave
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Re-ad of Permit No. 7112-3 Buckneberg

AMOUNT: \$27.54

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION: *Gail Jackson 8-4-15*

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

July 15, 2015

PAYMENT REQUEST FORM

PAYEE: Press & Dakotan
319 Walnut
Yankton SD 57078

FROM: DENR Water Rights Program
523 E. Capitol Ave
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Re-advertisement of Permit # 7112-3 (corrected aquifer & well location)

AMOUNT: \$34.42

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:

Gail Jacobson 7-15-15

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

Readvertisement of Notice of Permit Application No. 7112-3 to Appropriate Water

Notice is given of readvertisement of Water Permit No. 7112-3 held by Paul Buckneberg, 45886 294th St, Centerville SD 57014. Water Permit No. 7112-3 was issued appropriating 1.78 cubic feet of water per second (cfs) from one well to be completed into the Niobrara Aquifer (approximately 100-120 feet deep) located in SW 1/4 SW 1/4 Section 13 to irrigate 240 acres located in the SW 1/4, W 1/2 SE 1/4 Section 13; all in T96N-R53W. An inspection of Water Permit No. 7112-3 found 207 acres, located in the area identified above, being irrigated from two wells completed into the Pleistocene Unknown Aquifer (80 and 95 feet deep) located in the approximate center of the SE 1/4 Section 18 and the approximate center of the NE 1/4 Section 19; all in T96N-R52W. Readvertisement is necessary to add an additional well, correct the well location and properly identify the aquifer which is the Pleistocene Unknown Aquifer. Water Permit No. 7113-3 authorizes irrigation from the same wells. This readvertisement does not authorize any increase in the 1.78 cfs pump rate or acres irrigated by Water Permit No. 7112-3.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends approval of reissuance of Permit No. 7112-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 20, 2015.

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. Information concerning this application is available at <http://denr.sd.gov/public>. 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.

Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

7112-3, 7113-3

AUG 17 2015

Paul M Buckneberg
45886 294th St
Centerville SD 57014

Dear Mr. Buckneberg:

Enclosed is Reissued Water Permit No. 7112-3, Water License No. 7112-3, and 7113-3. These are the final water right documents completing your process of obtaining a Water Right. Also, included with the licenses is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 7112-3 and 7113-3, 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 Licenses, 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

**REISSUED
SOUTH DAKOTA
WATER PERMIT NO. 7112-3**

Date of first receipt of application March 18, 2009.

The Chief Engineer, on behalf of the Water Management Board, reissues Water Permit No. 7112-3 to Paul M Buckneberg, 45886 294th 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:

On July 9, 2015, Water Permit No. 7112-3 was readvertised to add an additional well, correct the well location and properly identify the water source based on an inspection of the permit.

1. Water Permit No. 7112-3 appropriates 1.78 cfs from two wells completed into the Pleistocene Unknown Aquifer (80 and 95 feet deep) located in the approximate center of the SE 1/4 Section 18 and the approximate center of the NE 1/4 Section 19; all in T96N-R52W irrigating 207 acres located in the SW 1/4, W 1/2 SE 1/4 Section 13-T96N-R53W. Water Permit No. 7113-3 authorizes irrigation from the same wells.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is March 18, 2009.
4. The date of approval of Permit No. 7112-3 is June 1, 2009.
5. 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 wells 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 wells authorized by Permit No. 7112-3 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: *Jeanne Goodman*
Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 17 2015

date



STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7112-3

(1) Paul M Buckneberg, 45886 294th St, Centerville SD 57014 made Application No. 7112-3, March 18, 2009 for a water permit to divert 1.7 cubic feet of water per second from groundwater (one well - Niobrara Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 7112-3, with a priority date of March 18, 2009 was approved June 1, 2009 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 1, 2014 and for the application to beneficial use of water on or before June 1, 2018.

On April 18, 2014, pursuant to SDCL 46-5-13.1, the Chief Engineer made a finding that a change in location of diversion point did not increase the potential for interference with existing water.

On July 9, 2015, Water Permit No. 7112-3 was readvertised to add an additional well, correct the well location and properly identify the water source based on an inspection of the water use system.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 7112-3 is issued a license, bearing a priority date of March 18, 2009 to appropriate 1.78 cubic feet of water per second from groundwater (2 wells – Pleistocene Unknown Aquifer) to irrigate 207 acres.

The diversion points are located: 1,300 feet north and 1,300 feet west of the southeast corner of Section 18-T96N-R52W (approximate center of SE 1/4) and 1,300 feet south and 1,300 feet west of the northeast corner of Section 19-T96N-R52W (approximate center of the NE 1/4). Water License No. 7113-3 authorizes irrigation from the same two wells.

The acres authorized for irrigation are as follows: Section 13-T96N-R53W

NW 1/4 SW 1/4	37 acres	NW 1/4 SE 1/4	27 acres
NE 1/4 SW 1/4	38 acres	SW 1/4 SE 1/4	30 acres
SE 1/4 SW 1/4	38 acres		
SW 1/4 SW 1/4	37 acres	Total 207 acres	

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Reissued Water Permit No. 7112-3 including the following qualifications:

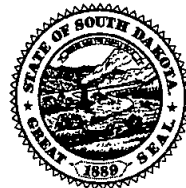
- The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The wells authorized by Permit No. 7112-3 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 wells were drilled by Hammond-Wetmore Drilling. Copies of the logs are on file with the Water Rights Program.*
- 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

AUG 17 2015

date





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 29, 2024

1916-3, 3245-3
7112-3 & 7113-3

Paul Buckneberg
110 Florida St
Centerville SD 57014

Dear Mr. Buckneberg:

Enclosed is a "Notice" dated October 23, 2024, concerning the 2024 Irrigation Questionnaire.

The notice was originally mailed to 45886 294th St, Centerville SD 57014. The post office notified our office that your address has changed, and your records have been updated accordingly.

This is a time sensitive matter. Please complete and return the enclosed questionnaires or submit your reports online at <https://danr.sd.gov/iq/> using this password VBIBCD.

If this change of address is in-correct, please contact our office immediately to update your contact information.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

RETURN TO SENDER 118142416618/23/24
PIERRE SD 57501-3182
CENTERVILLE SD 57014-2151
RETURN TO SENDER
118142416618/23/24