

WATER PERMIT NO. 7268-3

Name of Applicant: Verlyn Jelsma

Address: 41414 309th St, Springfield SD 57062

Phone: 605 369-2664

Amount of Water Claimed: 1.78 cfs

Total Acres: 146

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: BH

Type of Waste Disposal System:

Location: 3 miles north of Springfield

PRIORITY

Date Received: 9-6-11

Application/License Fee: \$1050

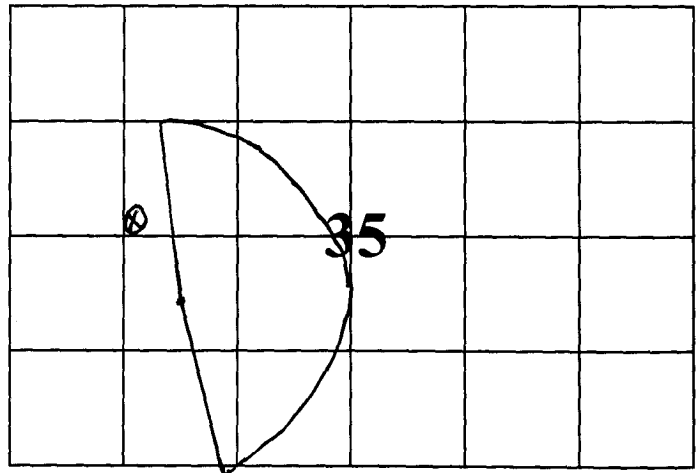
Corrected Application Received: 9-15-11

Period of Annual Use: May 1 – Sept 30

Remarks:

Diversion Point: SW ¼ NW ¼ Sec 35-T94N-
R60W

Land to be Irrigated: SW ¼, S ½ NW ¼ Sec 35-
T94N-R60W



Depth of Well: 120 feet

Well Driller: Christensen Well & Irrigation

Remarks:

Type of Map: aerial

Prepared by: Ernie? Bon Homme Co FSA

Reviewed and the Number Assigned on: 9-15-11

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

Verlyn Place

Mail to:
PMB 2020
DENR - Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

(office use only)
No. 7268-3 Hydrologic Unit 10170101
Basin Missouri River
Newspaper Tyndall Tribune & Register
605-589-3242 PO Box 250 57066

RECEIVED
SEP - 6 2011
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

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

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

1. Name of Applicant Verlyn Jelsma Phone 369-2664
(check one) Owner ☐ Tenant/lessee

Mailing Address 41414 309th St. Springfield SD 57062
(Address) (City) (State) (Zip Code)

2. Amount of water claimed 1.78*CFS or 800**GPM ***AF Total Acreage 146
(*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

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Don Homme
SW1/4 NW1/4 Sec 35 T-94-N R-60-W

5. County or counties where water will be used Don Homme

6. Annual period during which water is to be used May 1 - Sept. 30

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
see aerial photo			

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

see aerial photo

STATE OF SOUTH DAKOTA)
County of BH) SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

I, Verlyn Jelsma, 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 Verlyn Jelsma

Subscribed and sworn to before me this 1 day of Sept 2011

Nancy L Mesman
Notary Public signature
Commission Exp: 09-25-2012

**SOUTH DAKOTA
WATER PERMIT NO. 7268-3**

Date of first receipt of application September 6, 2011.

Date of return to applicant for corrections, amendments or changes September 6, 2011.

Date of receipt of corrected application September 15, 2011.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7268-3 to Verlyn Jelsma, 41414 309th St, Springfield SD 57062 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. 7268-3 appropriates 1.78 cubic feet of water per second from one well completed into the Niobrara Aquifer (120 feet deep) located in SW ¼ NW ¼ Section 35 to irrigate 146 acres located in the S ½ NW ¼, SW ¼ Section 35; all in T94N-R60W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30.
3. The date from which applicant may claim right is September 6, 2011.
4. The date of approval of Permit No. 7268-3 is December 12, 2011.
5. One-fifth of the construction is to be completed on or before June 12, 2014.
6. All construction is to be completed on or before December 12, 2016.
7. Water is to be put to beneficial use on or before December 12, 2020.
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. 7268-3 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.

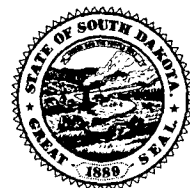
WATER MANAGEMENT BOARD

By: Garland Erbele

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

JAN 10 2012

date



Verlyns Alace

Form 2A
(Complete applicable portions only)

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 60' of 24" then 13" of 16" hole to 120' Depth 120'
- b) Casing Type PVC Diameter 16" Thickness .616
- c) Screen Type - Diameter - Thickness -
- d) Gravel Pack - Length of Gravel Pack -
- e) Depth to Top of Water Bearing Material 37'
- f) Depth to Water (ground surface to water level) 37'
- g) Distance to nearest existing domestic well:
- On applicant's property 2500' 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

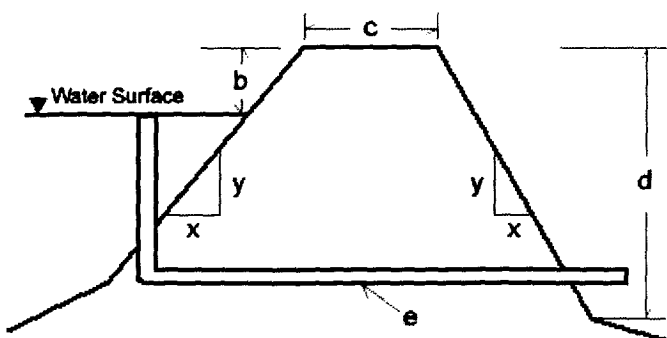
3. Dugout Information

- 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 (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

Nerlyns Place

SW $\frac{1}{4}$ NW $\frac{1}{4}$	sec 35	T-94-N	30 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$	sec 35	R-60-W	22 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$	sec 35	BON HOMME	20 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$	sec 35		40 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$	sec 35		10 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$	sec 35		24 acres
			146

E. R. B. - C.E.D. Bon Homme County, FSA
8-31-2011

DeLORME

XMap® 7



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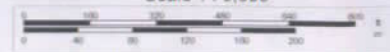
www.delorme.com

SEP - 6 2011

WATER RIGHTS
PROGRAM

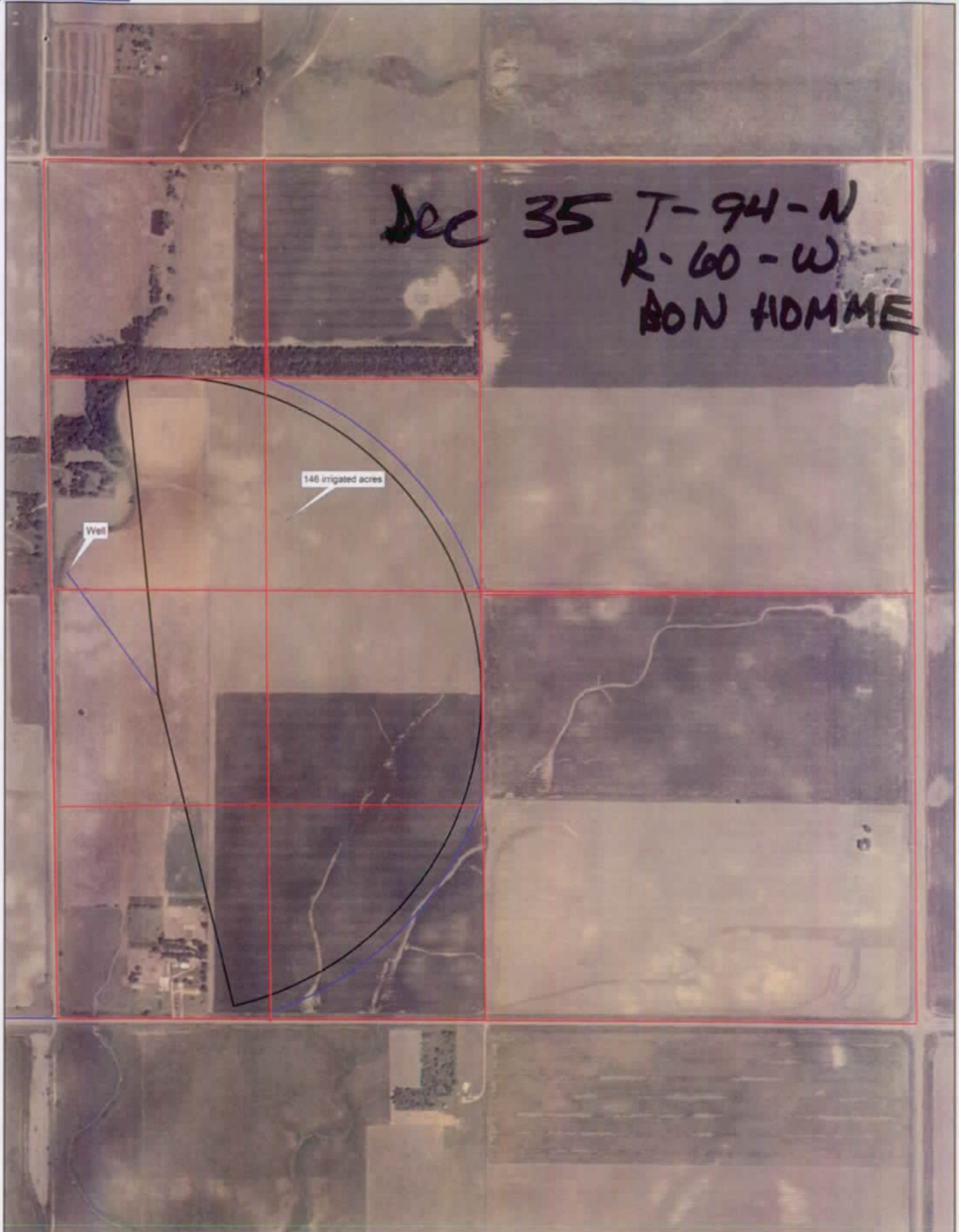


Scale 1 : 5,600



1" = 466.7 ft

Data Zoom 15-2



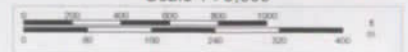
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Scale 1 : 9,600



1" = 800.0 ft

Data Zoom 14-4

Verlyn Place

SD EForm - 1621LD V1

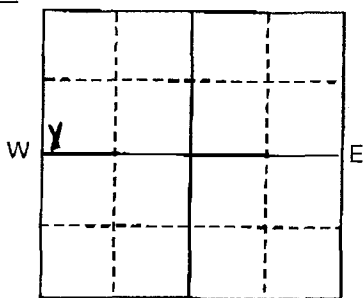
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 NW 1/4 Sec 35 Twp 94-N R 60-WCounty Don Horn

North

Please mark well location with an "X"



Well Completion Date

8-4-11

1 Mile

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

2600 ft. from septic tank

(identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse Rotary to 37' then
straight stay from 37' to 120'

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
100 LB/FT	11/2 IN	0 FT	37 FT	28 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	20	Lb/gal	0 Ft	37 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Pump down w/ pressure grouter

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information

13" open hole from 37 to 120'

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

☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: Verlyn Jelsma

Business Name:

Address: 41414 309th St.

City, State, Zip: Springfield SD 57062

WELL LOG:

DEPTH

FORMATION

FROM

TO

top + silty brown clay	0	10
sand, gravel + rocks	10	18
blue clay	18	25
grey + yellow chalk	25	45
grey chalk	45	120

LOST WATER @ 37'

STATIC WATER LEVEL

37

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:

turbo pump

☐ Bailed☐ Other

Pumping Level Below Land Surface

45 Ft. After 2 Hrs. pumped 800 GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate:

800

GPM

REMARKS

This well was drilled under license # 444 and this report is true and accurate.

Drilling firm: Christensen Well & Pumping

Signature of License Representative:

Cody W Christensen

Signature of Well Owner or Equitable Property Holder:

Date:

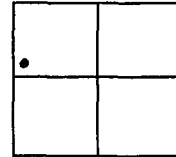
10-26-11

Verlyns Place

N42° 54.968,
W97° 54.676

Christensen Well & Irrigation, Inc.

88005 Hwy. 57
Hartington, NE 68739
Office 402-254-6809



OWNER Verlyn Jelma

ADDRESS _____

STATE _____ DATE 8-4 20 11

TEST HOLE ☐ FARM WELL ☐ IRRIGATION ☒

Quarter NW
Section 35
Township 94-N
Range 40-W
County DONHOMME

FT	FT	
0	10	top + silty brown clay
10	18	sand gravel + ROCKS
18	25	blue clay
25	45	grey + yellow shale - uses water
45	100	grey shale
100	120	duller harder - NOT BAD shale

37' 16" PVC plain casing
then 13" OPEN HOLE to 120'

Code NW Christensen
Licence # 444

STATIC WATER LEVEL	37'
PUMPING WATER LEVEL 800 GPM @	45'
SCREEN LENGTH	
SLOT SIZE	
TOTAL DEPTH	120'

GPS:

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 9/6, 2011

RECEIVED OF Royleen K Jelsma 41414 309th St Springfield SD 57062

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

Fee for Application for Permit No. <u>7268-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	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>7268-3</u>	200	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	1050 00

No. **05025**

By

Harold Erbe
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

September 6, 2011

Verlyn Jelsma
41414 309th St
Springfield SD 57062

Dear Mr. Jelsma:

Thank you for submitting the four *Applications for a Permit to Appropriate Water* for irrigation. In order to complete the applications, the following is required.

- Enclosed are the aerial photo maps submitted with the applications. Each of the maps needs to reference a government section corner or quarter corner. Two of the maps need to identify the proposed well location. Please mark the well location with an "X".
- Complete Item No. 7 on each application. Please breakdown the total acreage for each 40 acre division (quarter-quarter). This amount should equal the total number of acres listed on the application.
- On the application identified as "Jeremies place" the amount of water claimed is listed as 150 gallons per minute. This amount appears to be incorrect? Please make the necessary change.
- The annual period during which water is used is listed as "summer". Unless you indicate otherwise, this will be changed to May 1 – September 30.
- If available, please submit a well log or test hole log signed by a licensed South Dakota well driller for each application.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

enclosures



**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. 7268-3**

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. 7268-3, Verlyn Jelsma, 41414 309th Street, Springfield SD 57062.

The Chief Engineer is recommending APPROVAL of Application No. 7268-3 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. 7268-3 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
November 10, 2011

NOTE: I encourage you to have a soil water compatibility analysis performed to insure the water is suitable for irrigation since the Niobrara Aquifer can present water quality issues. The Water Resources Institute at SDSU or other qualified soil scientist will be able to assist you in making a soil water compatibility determination and recommend if there are water management techniques to implement to optimize crop production and protect the soil structure.

**Report on Water Permit Application No. 7268-3 & 7269-3
for Verlyn Jelsma
October 13, 2011**

Application No. 7268-3 proposes to appropriate 800 gallons per minute (1.78 cfs) from one well approximately 120 feet deep to be completed into the Niobrara Formation aquifer located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35 to irrigate 146 acres in the S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 35; all in T94N-R60W in Bon Homme County. The annual period during which water will be used is May 1 through September 30.

Application No. 7269-3 proposes to appropriate 750 gallons per minute (1.67 cfs) from two wells approximately 180 feet deep to be completed into the Niobrara Formation aquifer located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 9 and the approximate center of the S $\frac{1}{2}$ NE $\frac{1}{4}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 18 to irrigate 162 acres in the N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ Section 9; all in T93N-R60W in Bon Homme County. The annual period during which water will be used is April 1 through September 30.

The well locations for these applications appear to be located near the boundary where the Choteau – Tyndall aquifer overlies the Niobrara Formation aquifer.

AQUIFER: Choteau Tyndall (CH-T), Niobrara Formation (NBRR)

This report will address the availability of unappropriated water from the Choteau Tyndall and the Niobrara Formation aquifers.

WATER AVAILABILITY

Aquifer Characteristics:

The Choteau Tyndall is a buried outwash consisting of sand and gravel that may be under artesian or water table conditions at this site. The aquifer underlies 31,300 acres and contains an estimated 140,850 acre-feet of recoverable water in storage in Bon Homme County (Hedges, 1982). The aquifer extends into Yankton County to the east and Hutchinson County to the north where it blends into the Lower James Missouri aquifer. The Choteau Tyndall may not be present at the proposed well location sites for these applications.

The Niobrara Formation is a bedrock unit consisting of nearly horizontal layers of calcareous shale, chalk, and chalky limestone (Jorgensen, 1971). The aquifer underlies about 470 square miles and there is no estimate available for water in storage for the aquifer in Bon Homme County. Water is available from the Niobrara Formation.

Both of these applications included a test well report. The test well report for application No. 7268-3 was denoted with "Verlyn's Place" and indicated topsoil and silty brown clay from 0-10 feet below surface, sand gravel and rocks from 10-18 feet below surface, blue clay from 18-25 feet below surface, gray and yellow shale from 25-45 feet below surface,

gray shale from 45-100 feet below surface, and dull sandy shale from 100-120 feet below surface. The static water level for this test well was 37 feet below surface.

The test well report for application 7269-3 was denoted with "Jeremy's Place" and indicated silty brown clay with rocks from 0-50 feet below surface, blue clay with rocks from 50-55 feet below surface, hard gray shale from 55-60 feet below surface, and shale from 60-180 feet below surface. The static water level for this test was reported at 96 feet below surface.

Observation Well Data:

The Water Rights Program monitors three observation wells located within two miles of these application locations. Two of these observation wells are completed into the Choteau-Tyndall aquifer, one is located about a mile west and the other is located about a mile north. The other observation well, BH-82C, is completed into the Niobrara Formation and is located approximately one mile east of the proposed well location for 7268-3. 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 aquifers are capable of sustaining additional withdrawals (Water Rights, 2011). The hydrographs for these observation wells are included with this report.

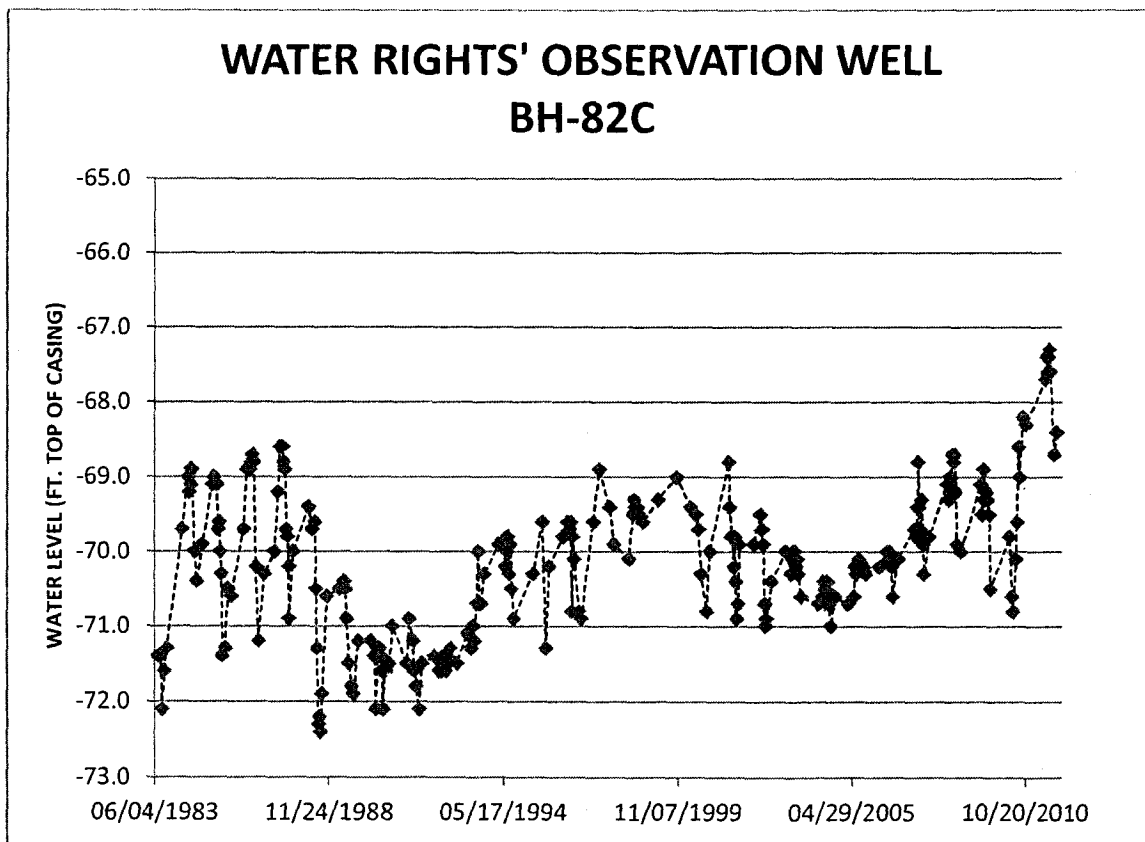


Figure 1. Hydrograph for Water Rights Observation Well BH-82C, completed into the Niobrara Formation Aquifer within one mile of 7268-3 and 7269-3 (Water Rights, 2011)

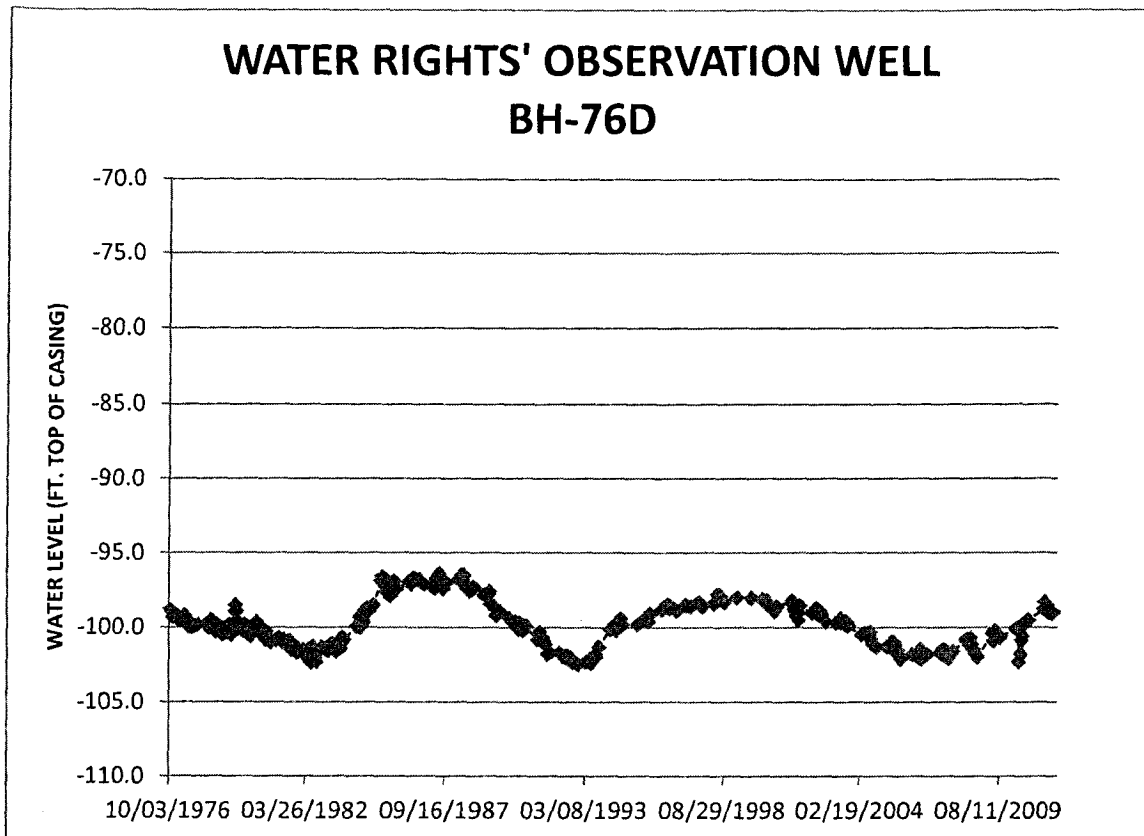


Figure 2. Hydrograph for Water Rights Observation Well BH-76D, completed into the Choteau Tyndall Aquifer within two miles of 7268-3 and 7269-3(Water Rights, 2011)

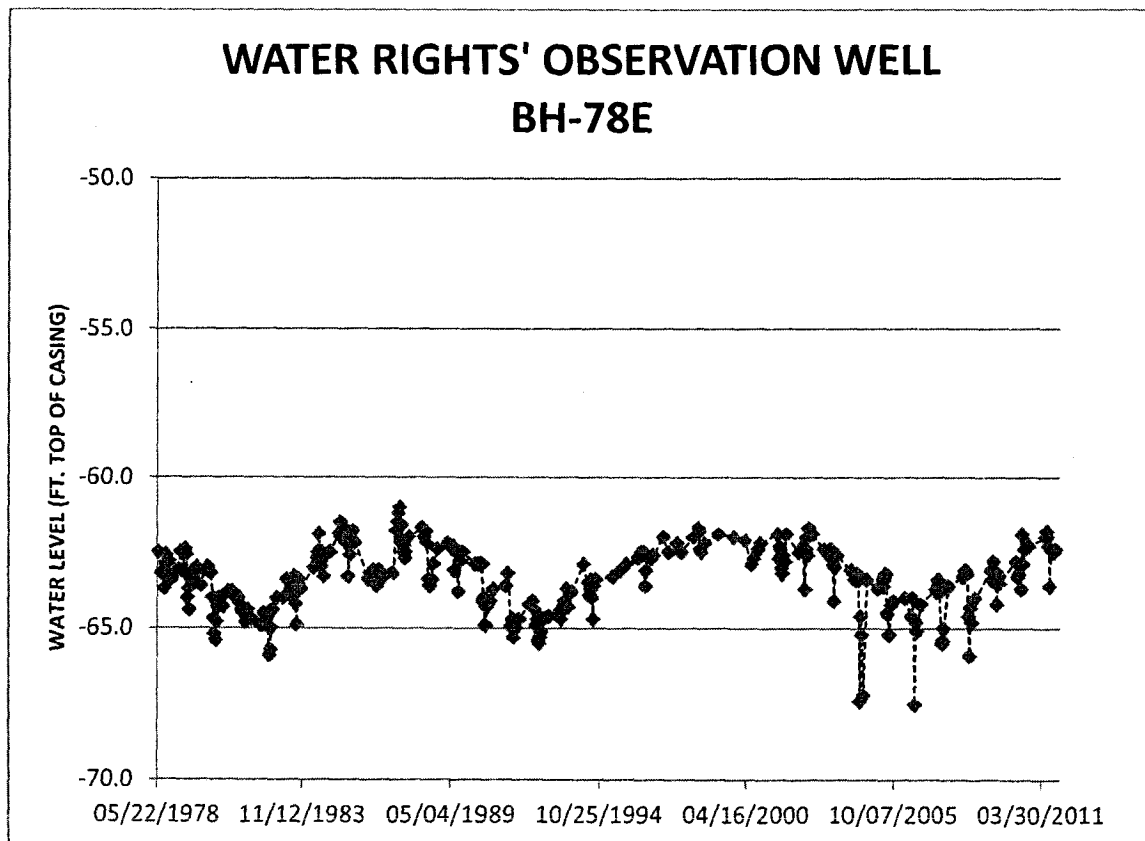


Figure 3. Hydrograph for Water Rights Observation Well BH-78E, completed into the Choteau Tyndall Aquifer within two miles of 7268-3 and 7269-3(Water Rights, 2011)

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 thirteen irrigation permits within two miles of 7268-3; one of these appropriates water from the Niobrara and the other twelve appropriate water from the Choteau Tyndall aquifer. There are eight irrigation permits within two miles of 7269-3, all appropriate water from the Choteau Tyndall aquifer. Interference should not be a problem.

Conclusions:

1. Water is available from Niobrara Formation aquifer or the Choteau Tyndall aquifer. The Choteau Tyndall will likely not be encountered at these locations; however the Niobrara Formation aquifer could be present.
2. These wells must be constructed in accordance with SD Well Construction Standards.
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 or other arrangements may be required to protect these water supplies.



Hayes Haas
Natural Resources Engineer

Bibliography:

Hedges, L.S. et al, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, for the U.S. Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD 57069

Jorgensen, D.J., 1971, Geology and Water Resources of Bon Homme County, South Dakota, Part II Water Resources, Bulletin 21, SD DENR, SDGS, Vermillion, SD 57069.

Water Rights, 2011, Unpublished Observation Well Data for the Choteau Tyndall aquifer and the Niobrara Formation, SD DENR, DES, Water Rights Program, Pierre, SD, 57501

Affidavit of Publication RECEIVED

State of South Dakota }
County of Bon Homme } SS

DEC - 1 2011

WATER RIGHTS PROGRAM

Rebecca Tyck Being first duly sworn
says that the **Tyndall Tribune & Register** is a legal
weekly newspaper for publication of legal and other offi-
cial notices as required by Chapter 298 of the Session
Laws of South Dakota, 1939; that it has bona fide paid
circulation of more than two hundred copies weekly;
that it is published in English language in the City of
Tyndall, Bon Homme County, South Dakota, and has
been admitted to the United States mail under second
class mailing privilege for more than one year prior to
the first publication of the notice herein mentioned, and
that it is printed in an office maintained at the place of
publication at Tyndall, South Dakota, and that depo-
nent is the publisher in charge of the advertising depart-
ment of said newspaper; that the advertisement headed

Notice of Application

Nos. 7268-3 and 7269-3

77637.2 + 807.1

a printed copy of which is hereto attached, was printed
and published in said newspaper for two successive
weeks, upon the following dates:

<u>Nov. 23</u> 20 <u>11</u>	20.....
<u>Nov. 30</u> 20 <u>11</u>	20.....
.....20.....	20.....
.....20.....	20.....

That the full amount of the fee charged for the publica-
tion of said notice, \$51.55, inures to the benefit
of the publisher of said newspaper, that no agreement or
understanding for the division thereof has been made
with any other person, and that no part has been agreed
to be paid to any person whomsoever.

Rebecca Tyck
Subscribed and sworn to before me this
30th day of Nov, 2011.....
Peggy Schelske
Notary Public, South Dakota

My commission expires: Oct 24, 2015

NOTICE OF APPLICATION NOS. 7268-3 and 7269-3 to Appropriate Water

Notice is given that Verlyn Jelsma,
41414 309th Street, Springfield, SD 57062
has filed the following applications for a
water permit.

Application No. 7268-3 proposes to
appropriate 1.78 cubic feet of water per
second (cfs) from one well completed
into the Niobrara Aquifer (120 feet
deep) located in SW1/4 NW1/4 Section
35 to irrigate 146 acres located in the
S1/2 NW1/4, SW1/4, Section 35; all in
T94N-R60W.

Application No. 7269-3 proposes to
appropriate 1.67 cfs from two wells
completed into the Niobrara Aquifer lo-
cated in the NE1/4 NE1/4 and the center
between the S1/2 NE1/4 and the
N1/2 SE1/4 Section 9 to irrigate 162
acres located in the N1/2 SE1/4, NE1/4
NE1/4, S1/2 NE1/4 Section 9; all in
T93N-R60W.

Pursuant to SDCL 46-2A-2, the Chief
Engineer recommends APPROVAL of
Application Nos. 7268-3 and 7269-3 be-
cause 1) unappropriated water is avail-
able, 2) existing rights will not be un-
lawfully impaired, 3) it is a beneficial

use of water, and 4) it is in the public
interest. In accordance with SDCL 46-
2A-23, the Chief Engineer will act on
these applications, as recommended,
unless a petition is filed opposing the
applications or the applicant files a peti-
tion contesting the Chief Engineer's rec-
ommendations. If a petition opposing
the applications or contesting the rec-
ommendations is filed, then a hearing
will be scheduled and the Water Man-
agement Board will consider these ap-
plications. 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 rec-
ommendations must file a written peti-
tion with BOTH the applicant and Chief
Engineer. The applicant must file a peti-
tion 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 appli-
cant's mailing address is given above. A
petition filed by either an interested per-
son or the applicant must be filed by
December 12, 2011.

The petition may be informal, but
must include a statement describing the
petitioner's interest in the applications,
the petitioner's reasons for opposing or
supporting the applications and the sig-
nature and mailing address of the peti-
tioner 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 in-
formation pertaining to these applica-
tions.

Steven M. Pinner, Secretary
Department of Environment
and Natural Resources

Published twice at an approximate
cost of \$51.55

(Nov. 23 & 30)



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 14, 2011

Tyndall Tribune & Register
PO Box 250
Tyndall SD 57066

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application Nos. 7268-3 and 7269-3 to Appropriate Water to be published twice. Please publish the first notice on November 23, 2011 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 Verlyn Jelsma 41414 309th St., Springfield SD 57062 (Ph # 605-369-2664).

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 /KS

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

Nos. 7268-3 & 7269-3

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

Date _____

We are in receipt of your letter of November 14, 2011 enclosing Notice to Appropriate Water by Application Nos. 7268-3 & 7269-3 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.

November 14, 2011

Verlyn Jelsma
41414 309th St
Springfield SD 57062

Dear Mr. Jelsma:

Water Permit Application Nos. 7268-3 and 7269-3 for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Tyndall Tribune & Register printed at Tyndall SD (Ph # 605-589-3242). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the 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 /ks

Eric Gronlund
Natural Resources Engineer
(605) 773-3352
eric.gronlund@state.sd.us

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 applications.

Instruction to Newspaper - Publish first Notice on November 23, 2011 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. 7268-3 and 7269-3 to Appropriate Water

Notice is given that Verlyn Jelsma, 41414 309th St, Springfield SD 57062 has filed the following applications for a water permit.

Application No. 7268-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well completed into the Niobrara Aquifer (120 feet deep) located in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35 to irrigate 146 acres located in the S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ Section 35; all in T94N-R60W.

Application No. 7269-3 proposes to appropriate 1.67 cfs from two wells completed into the Niobrara Aquifer located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ and the center between the S $\frac{1}{2}$ NE $\frac{1}{4}$ and the N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 9 to irrigate 162 acres located in the N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ Section 9; all in T93N-R60W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7268-3 and 7269-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on these applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the Chief Engineer's recommendations. If a petition opposing the applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider these 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 December 12, 2011.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to these applications.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published twice at the total approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 1 0 2012

Verlyn Jelsma
41414 309th St
Springfield SD 57062

Dear Mr. Jelsma:

Enclosed are Water Permit Nos. 7266-3, 7267-3, 7268-3 and 7269-3 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

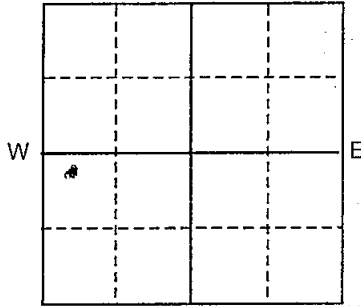
SOUTH DAKOTA WATER WELL COMPLETION REPORT

SD EForm - 1621LD V1
68623
11-02

Location NW 1/4 SW 1/4 Sec 35 Twp 94N Rg 60W

County Ben Hur

Please mark well location with an "X"



Well Completion Date
11-5-12

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2000 ft. from septic tank (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>60</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>40</u> FT	<u>28</u> IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>		<u>0</u> Lb/gal	<u>0</u> Ft	<u>40</u> Ft

Describe grouting procedure

pumped down w/ grout

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16 Inches Length 100 Feet
Material PVC
Slot Size .085 Set From 40 Feet to 140 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

☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: Verlyn Jelsma

Business Name:

Address: 41414 309 St.

City, State, Zip: Springfield South Dakota 57062

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Brown Top Soil</u>	<u>0</u>	<u>8</u>
<u>Clay + Some Rocks</u>	<u>8</u>	<u>40</u>
<u>Med. Gravel</u>	<u>40</u>	<u>80</u>
<u>Shale</u>	<u>80</u>	<u>125</u>
<u>Hard Shale</u>	<u>125</u>	<u>140</u>

STATIC WATER LEVEL

52

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

129 Ft. After 2 Hrs. pumped 155 GPM

 Ft. After Hrs. pumped GPM

If pump installed, pump rate: 100 GPM

REMARKS

Revised 3-5-2013
Cody W. Chastens

This well was drilled under license # 444

and this

report is true and accurate.

Drilling firm:

Chastens Well & Drilling

Signature of License Representative:

Cody W. Chastens

Signature of Well Owner or Equitable Property Holder:

Date:

12-31-12

RECEIVED

MAR 11 2013

WATER RIGHTS PROGRAM

Mailed to State 1-3-13