

WATER PERMIT NO. 7266-3

Name of Applicant: Verlyn Jelsma and Jeremie Jelsma

Address: 41414 309th St, Springfield SD 57062 Phone: 605 369-2664

Amount of Water Claimed: 1.33 cfs Total Acres: 109

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: BH

Type of Waste Disposal System:

Location: 3 miles northwest of Springfield

PRIORITY Date Received: 9-6-11

Application/License Fee: \$950

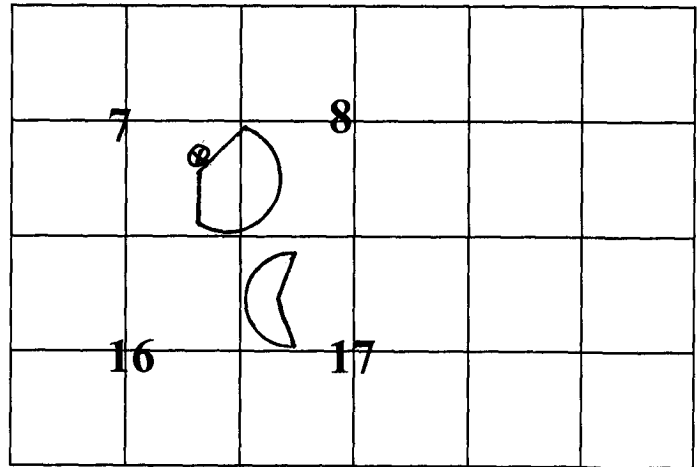
Corrected Application Received: 9-15-11

Period of Annual Use: May 1 – Sept 30

Remarks:

Diversion Point: NE ¼ SE ¼ Sec 7-T93N-R60W

Land to be Irrigated: E ½ SE ¼ Sec 7, W ½ SW ¼
Sec 8 and W ½ NW ¼ Sec 17; all in T93N-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: _____

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. <u>7246-3</u>	Hydrologic Unit <u>10170101</u>
	Basin <u>Missouri River</u>	
	Newspaper <u>Tyndall Tribune & Register P.O. Box 520</u> <u>605-589-3272</u> <u>57066</u>	

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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.)

- Name of Applicant Verlyn Jelsma & Jeremie Jelsma Phone 369-2664
 (check one) Owner ☐ Tenant/lessee ☐
 Mailing Address 41414 309th St. Springfield SD 57062
 (Address) (City) (State) (Zip Code)
- Amount of water claimed 1.33 *CFS or 600 **GPM ***AF Total Acreage 109
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Don Horn
NE 1/4 SE 1/4 sec 7 T-93-N R-60-W
- County or counties where water will be used Don Horn
- Annual period during which water is to be used May 1 - Sept. 30
- 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
<u>see ariel photo</u>			
<u>see ariel photo</u>			
<u>see ariel photo</u>			

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

see ariel 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 / Jeremie 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 Jeremie Jelsma

 Subscribed and sworn to before me this 1 day of Sept 20 11

Nancy L Mesmar
 Notary Public signature

Commission Exp: 09-25-2012

**SOUTH DAKOTA
WATER PERMIT NO. 7266-3**

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. 7266-3 to Verlyn Jelsma and Jeremie 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. 7266-3 appropriates 1.33 cubic feet of water per second from one well completed into the Niobrara Aquifer (120 feet deep) located in NE ¼ SE ¼ Section 7 to irrigate 109 acres located in the E ½ SE ¼ Section 7; W ½ SW ¼ Section 8 and W ½ NW ¼ Section 17; all in T93N-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. 7266-3 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. 7266-3 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

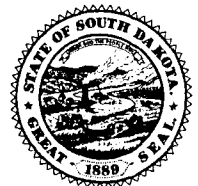
Garland Erbele, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

JAN 10 2012

date



Bottom
Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction.

- a) Drill Hole Diameter 26" down to 60' then 13" 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 25'
- f) Depth to Water (ground surface to water level) 25'
- g) Distance to nearest existing domestic well:
- On applicant's property 150' 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 —

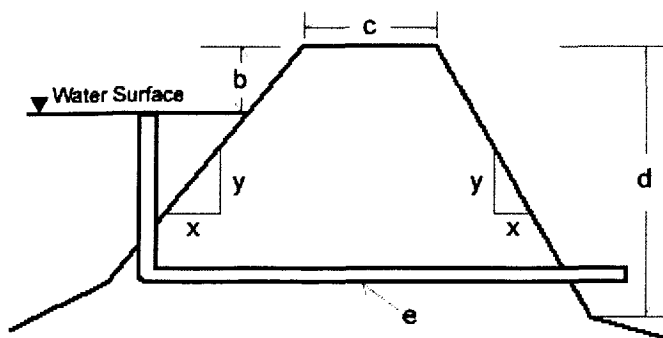
3. Dugout Information

- 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:



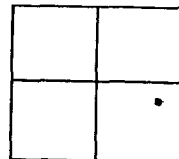
- b) Freeboard —
- c) Crest Width —
Crest Length —
- d) Height —
- e) Primary Outlet Capacity —
If pipe, diameter —
- f) Secondary Spillway Capacity —
Spillway Width —
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream —
Downstream —
- h) Surface Area of Impoundment —
- i) Storage — Acre Feet
- j) Drainage Area Above Dam — Acres

Irri Well on Bottom Farm #2 well in
Bottom

Christensen Well & Irrigation, Inc.

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

N42° 53.088°
W97° 58.421



OWNER Verlyn Jelsma

ADDRESS _____

STATE _____ DATE 8-18 20 11

TEST HOLE ☐ FARM WELL ☐ IRRIGATION ☒

Quarter SE
Section 7
Township 93N
Range 60W
County Box Butte

FT	FT	
0	21	Brown clay
21	26	Gravel & Rocks
26	50	Brown clay
50	55	Gravel & Rocks
55	120	Light Gray shale
		Test water @ 95'
		60' 16" pvc SDR 26
		60' 13" open hole
		Opdy W. Christensen
		License # 444

STATIC WATER LEVEL	25'
PUMPING WATER LEVEL 1000 GPM @	47'
SCREEN LENGTH	
SLOT SIZE	
TOTAL DEPTH	120'

GPS:

Bottom

NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec 7
SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec 7
NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec 8
SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec 8

AND

NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec 17
SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec 17

T-93-N
R-60-W
BON
HOMME

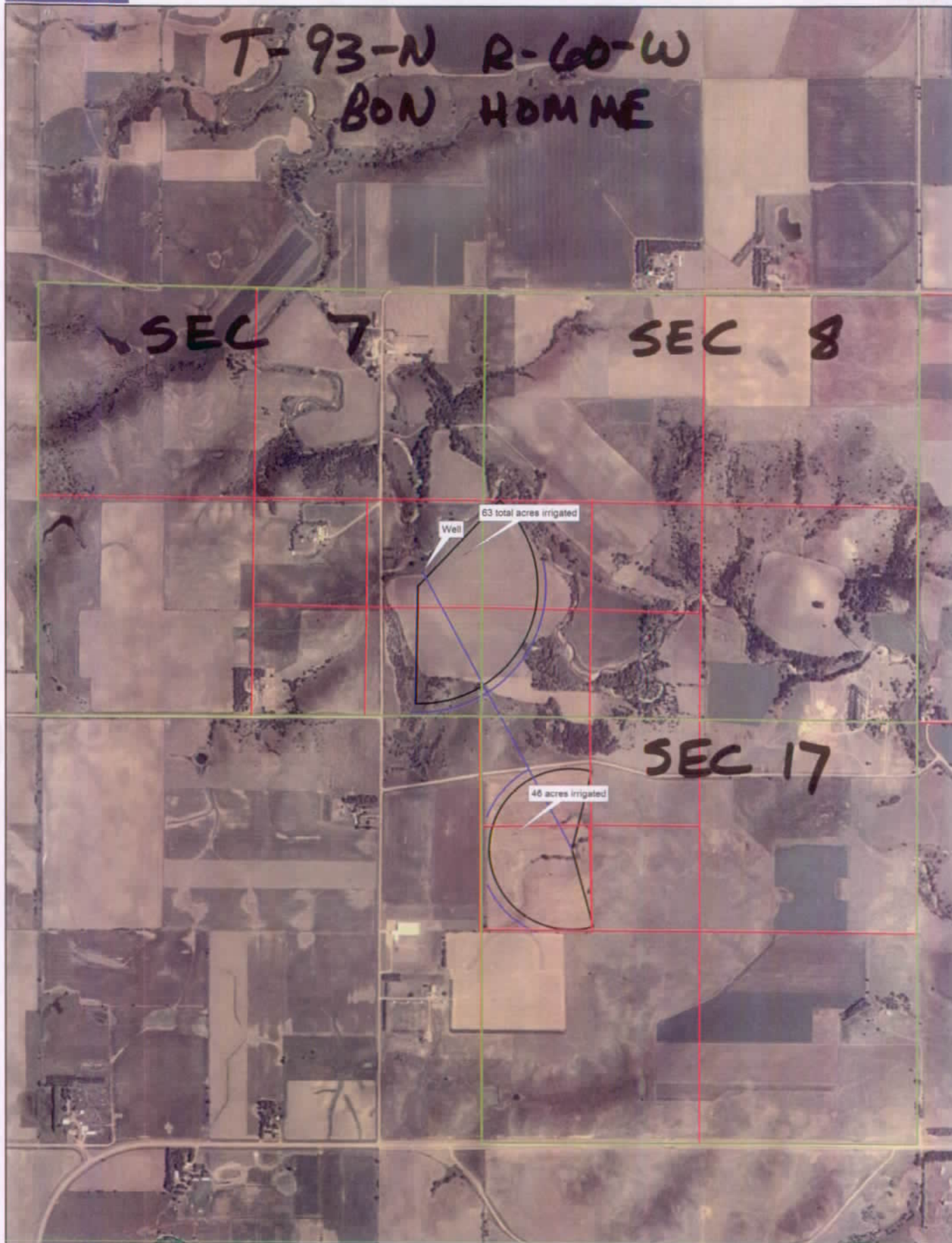
13 acres
25 acres
15 acres
10 acres
63 acres

14 acres
32 acres

46 acres

109 total acres

These 2 tracts of ground
will be supplied by
the same well.



Data use subject to license.

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www.delorme.com



Scale 1 : 19,200



1" = 1,600.0 ft

Data Zoom 13-4



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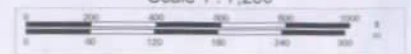
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Scale 1 : 7,200



1" = 600.0 ft

Data Zoom 14-7

Bottom

SD EForm - 1621LD V1

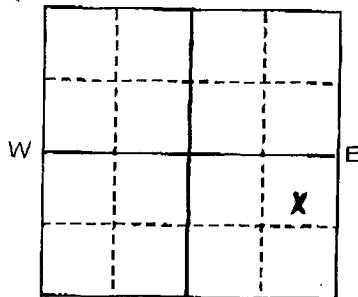
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE 1/4 SE 1/4 Sec 7 Twp 93-N Rg 60-WCounty Bon Homme

North

Please mark well location with an "X"



Well Completion Date

8-18-11

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
1500 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 60' then
straight rotary to 120'

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>1100</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>60</u> FT	<u>28</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>Cement</u>	<u>36</u>	Lb/gal	Feet	Feet
		Lb/gal	Feet	Feet

Describe grouting procedure

Pumped 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 60 to 120WAS 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

<u>top + brown clay</u>	<u>0</u>	<u>21</u>
<u>gravel + ROCKS</u>	<u>21</u>	<u>26</u>
<u>brown clay</u>	<u>26</u>	<u>50</u>
<u>gravel + ROCKS</u>	<u>50</u>	<u>55</u>
<u>grey chalk</u>	<u>55</u>	<u>120</u>

STATIC WATER LEVEL

25

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: turbine pump☐ Bailed☐ Other

Pumping Level Below Land Surface

47 Ft. After 2 Hrs. pumped 1000 GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: 275 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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 9/6, 20 11

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>7266-3</u> to Appropriate Water, to construct and to put water to beneficial use	750	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>7266-3</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	950 00

No. **05027**

By Harold Edmule
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

SEP 15 2011

WATER RIGHTS
PROGRAM

If there are any questions
about these permit applications -
please call me, Cody Christensen
@ 402-841-4892.

Cody W. Christensen
License # 444



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7266-3, Verlyn Jelsma and Jeremie Jelsma**

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. 7266-3, Verlyn Jelsma and Jeremie Jelsma, 41414 309th Street, Springfield SD 57062.

The Chief Engineer is recommending APPROVAL of Application No. 7266-3 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. 7266-3 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. 7266-3 & 7267-3
for Verlyn Jelsma & Jeremie Jelsma
October 13, 2011**

Application No. 7266-3 proposes to appropriate 600 gallons per minute (1.33 cfs) from one well completed into the Niobrara Formation aquifer approximately 120 feet deep located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 7 to irrigate 109 acres in the E $\frac{1}{2}$ SE $\frac{1}{4}$, Section 7; W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 8 and W $\frac{1}{2}$ NW $\frac{1}{4}$ Section 17 all in T93N-R60W in Bon Homme County. The annual period during which water will be used is May 1 through September 30.

Application No. 7267-3 proposes to appropriate 800 gallons per minute (1.78 cfs) from one well approximately 300 feet deep to be completed into the Niobrara Formation aquifer located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 12 to irrigate 171 acres in the SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 12; all in T93N-R60W in Bon Homme County. The annual period during which water will be used is May 1 through September 30.

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 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 test well reports. The test well report for application No. 7266-3 was denoted with "Bottom" and indicated brown clay from 0-21 feet below surface, gravel and rocks from 21-26 feet below surface, brown clay from 26-50 feet below surface, gravel and rocks from 50-55 feet below surface, and light gray shale from 55-120 feet below surface. The static water level for this test well was 25 feet below surface.

The test well report for application 7267-3 was denoted with "Tucker" and indicated brown topsoil from 0-8 feet below surface, yellow chalk from 8-30 feet below surface, shale from 30-160 feet below surface, layers of sandstone from 160-215 feet below surface, shale from 215-230 feet below surface, and sandstone and shale layers from 230-300 feet below surface. The static water level for this test well was reported at 44 feet below surface. Further discussions with the driller for this test well determined that the shale encountered from 30-160 feet below surface actually contained chalk layers. This well may not produce sufficient quantities of water for irrigation.

Observation Well Data:

The Water Rights Program monitors observation wells located within one mile of 7266-3 and three miles of 7267-3. The observation well within a mile of 7266-3, BH-78E is completed into the Choteau Tyndall aquifer. The other observation well, BH-82C, is completed into the Niobrara Formation and is located approximately three miles north of the proposed well location for 7267-3. 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.

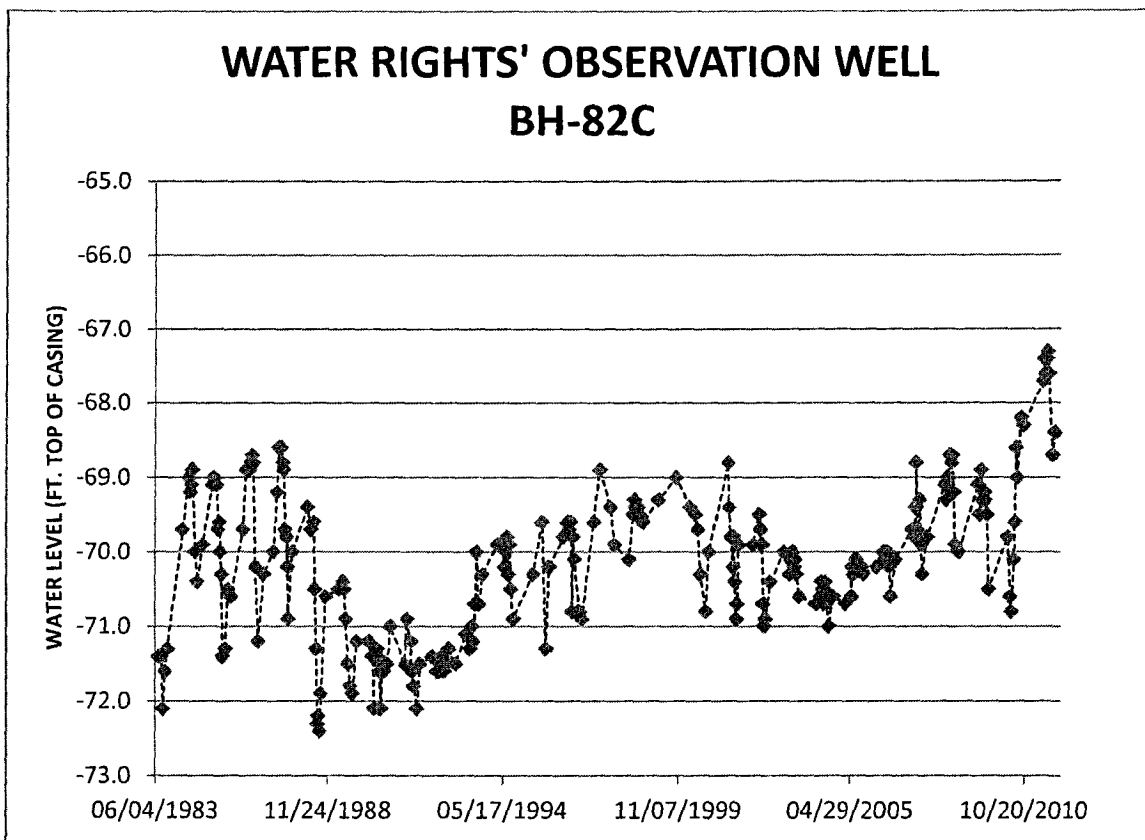


Figure 1. Hydrograph for Water Rights Observation Well BH-82C, completed into the Niobrara Formation Aquifer within three miles of 7267-3 (Water Rights, 2011)

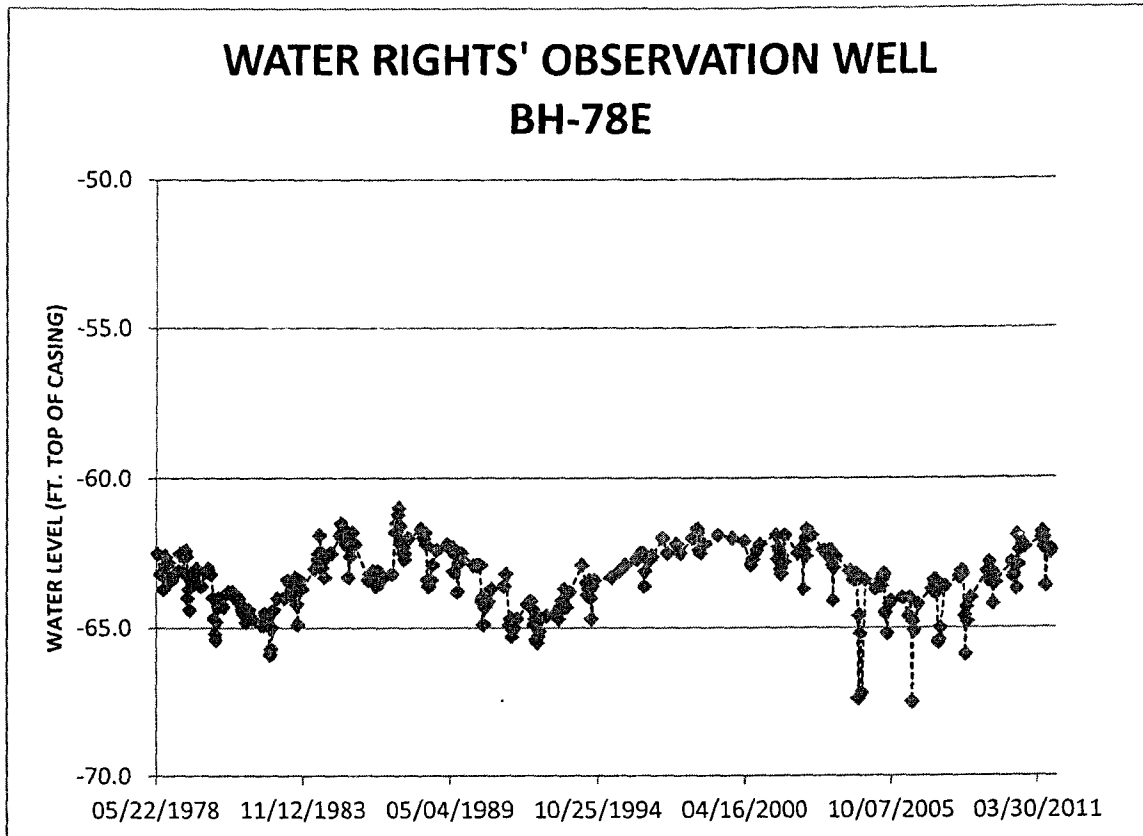


Figure 3. Hydrograph for Water Rights Observation Well BH-78E, completed into the Choteau Tyndall Aquifer within one mile of 7266-3 (Water Rights, 2011)

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

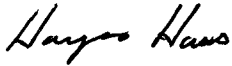
Review of Existing Water Permits/Rights/Water Use:

There are four irrigation permits within one mile of 7266-3; two of these appropriate water from the Choteau Tyndall aquifer and the other two appropriate surface water. There are no irrigation permits within one mile of 7267-3. Interference is not expected to be a problem.

Conclusions:

1. Water is available from Niobrara Formation aquifer. Based on test well reports, the well for 7267-3 may not produce sufficient quantities of water for irrigation.
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 are 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.
5. The well for Permit No. 7267-3 if approved, will only be allowed to supply water from the Niobrara Formation and not the underlying sandstone.



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

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DEC - 1 2011

WATER RIGHTS PROGRAM

State of South Dakota }
County of Bon Homme } SS

Rebecca Tyck.....Being first duly sworn says that the **Tyndall Tribune & Register** is a legal weekly newspaper for publication of legal and other official 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 deponent is the publisher in charge of the advertising department of said newspaper; that the advertisement headed

Notice of Application
Nos. 7266-3 and 7267-3
750372 480% X1

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 publication of said notice, \$50.22....., 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 Achelske
Notary Public, South Dakota

My commission expires: Oct 24, 2015

NOTICE OF APPLICATION NOS. 7266-3 and 7267-3 to Appropriate Water

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

Application No. 7266-3 proposes to appropriate 1.33 cubic feet of water per second (cfs) from one well completed into the Niobrara Aquifer (120 feet deep) located in NE1/4 SE1/4 Section 7 to irrigate 109 acres located in the E1/2 SE1/4 Section 7; W1/2 SW1/4 Section 8 and W1/2 NW1/4 Section 17; all in T93N-R60W.

Application No. 7267-3 proposes to appropriate 1.78 cfs from one well completed into the Niobrara Aquifer (160 feet deep) located in the SE1/4 SW1/4 Section 12 to irrigate 171 acres in the SW1/4, W1/2 SE1/4 Section 12; all in T93N-R60W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7266-3 and 7267-3 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 an approximate cost of \$50.22

(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 520
Tyndall SD 57066

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application Nos. 7266-3 and 7267-3 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 and Jeremie 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. 7266-3 & 7267-3

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. 7266-3 & 7267-3 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 and Jeremie Jelsma
41414 309th St
Springfield SD 57066

Dear Mssrs Jelsma:

Water Permit Application Nos. 7266-3 & 7267-3 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
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. 7266-3 and 7267-3 to Appropriate Water

Notice is given that Verlyn Jelsma and Jeremie Jelsma, 41414 309th St, Springfield SD 57062 have filed the following applications to appropriate water.

Application No. 7266-3 proposes to appropriate 1.33 cubic feet of water per second (cfs) from one well completed into the Niobrara Aquifer (120 feet deep) located in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 7 to irrigate 109 acres located in the E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 7; W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 8 and W $\frac{1}{2}$ NW $\frac{1}{4}$ Section 17; all in T93N-R60W.

Application No. 7267-3 proposed to appropriate 1.78 cfs from one well completed into the Niobrara Aquifer (160 feet deep) located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12 to irrigate 171 acres located in the SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 12; all in T93N-R60W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7266-3 and 7267-3 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 10 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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7266-3

I have this day, May 2, 2018, made a thorough examination of the water use system constructed by Verlyn Jelsma and Jeremie Jelsma, 41414 309th St., Springfield, SD 57062, holders of Permit No. 7266-3, bearing the priority of September 6, 2011 authorizing the diversion of 1.33 cu. ft. per second of the waters of groundwater (Niobrara Aquifer) for irrigation purposes, in Bon Homme County.

Inspection contact: Verlyn Jelsma and Jeremie Jelsma, Owners

A. Works used to divert the water:

Well Information:

1) Well Drilling Firm: Christinsen Well &

Irrigation

2) No. of Wells 1

3) Depth(s) 120 feet

4) Well log is available Yes

Casing:

1) Diameter 16 inches

2) Length 60 feet

3) Type Plastic

Screen:

1) Type None

2) Length 60 feet

3) Static water level 25 feet

Pump:

1) Make Goulds

2) Model Unknown

3) Capacity 600 GPM

Motor:

1) Make US

2) Model No. BF48A

3) Horsepower rating 40 hp

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

1) Type PVC 2) Size 8 inches 3) Length 3,870 feet

C. Works used to apply water to beneficial use:

North Center Pivot

1) Make T&L

2) Overall length 1,456 feet

3) Number of towers 8

4) End gun Yes

5) Capacity 600 GPM

South Center Pivot

1) Make T&L

2) Overall length 1016 feet

3) Number of towers 7

4) End gun Yes

5) Capacity 600 GPM

D. Compliance with Permit Requirements:

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

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: Well: 870 feet west and 1,750 feet north from the southeast corner of Section 7, T93N-R60W (Latitude 42.88472, Longitude -97.97395).
2. The works are capable of diverting and conveying to the place of use 1.33 cu. ft. per second of water which is to be used for irrigation purposes. Water has been put to beneficial use to the maximum extent as follows: All in T93N-R60W

Section 7
NE1/4SE1/4 14 acres
SE1/4SE1/4 23 acres

Section 8
NW1/4SW1/4 17 acres
SW1/4SW1/4 8 acres

Section 17
NW1/4NW1/4 16 acres
SW1/4NW1/4 31 acres

comprising a total of 109 acres of land and the license should be issued for 1.33 cfs.

3. All structures, wells and lands on map Yes

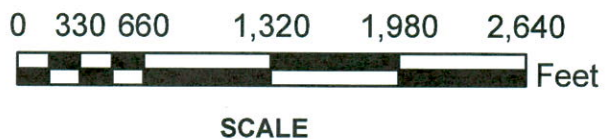
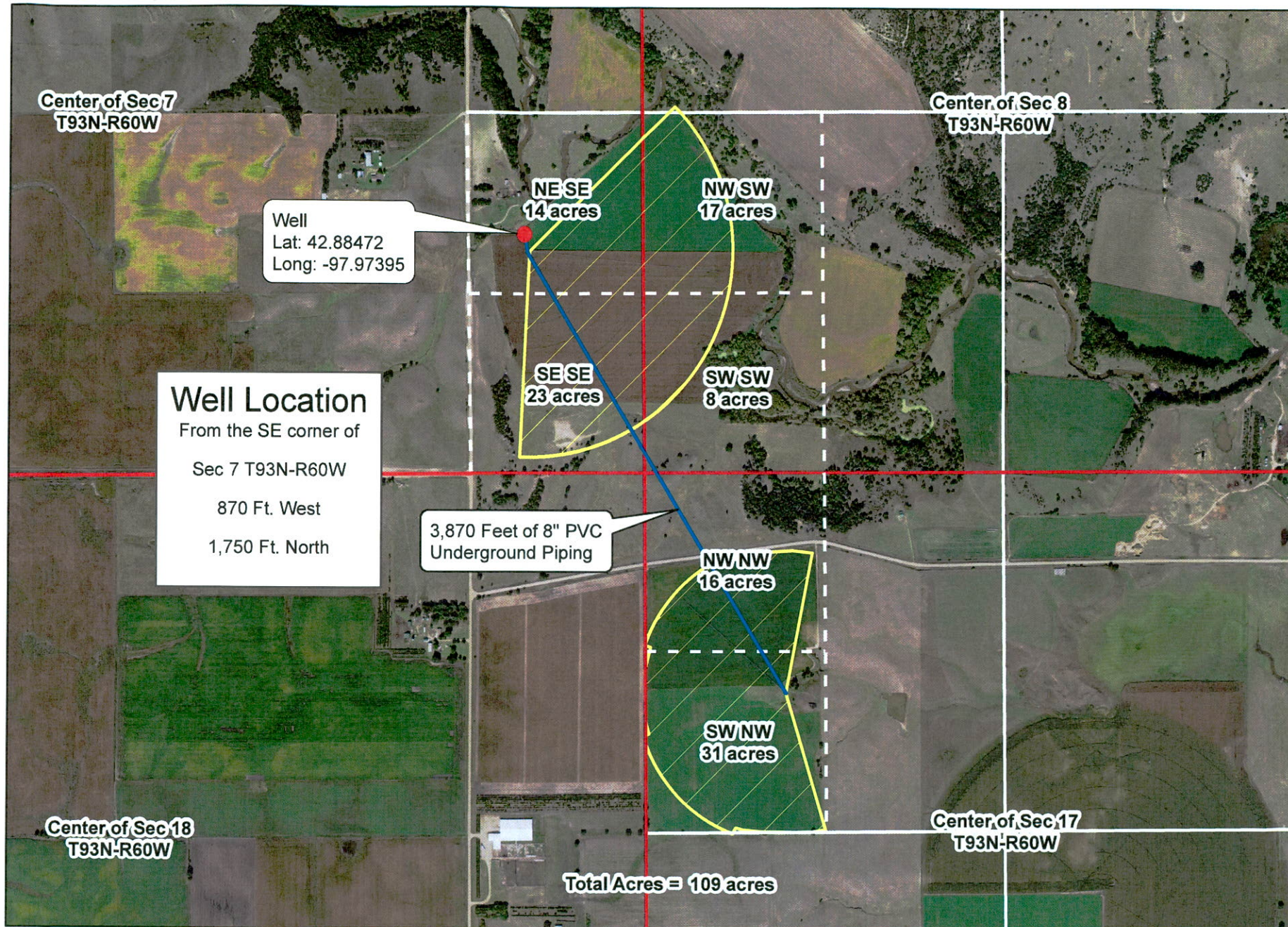
F. Comments or other permit(s) associated with the project: None

Keith DeJong

Keith DeJong
 Water Rights Inspector
 DENR, Water Rights Program

Date report completed: May 30, 2018

Water Right No. 7266-3



Keith DeJong
Keith DeJong, PE
Staff Engineer
May 30, 2018



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUN 20 2018

7266-3

Verlyn & Jeremie Jelsma
41414 309th St
Springfield SD 57062

Dear Sirs:

Enclosed is Water License No. 7266-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7266-3**

(1) Verlyn & Jeremie Jelsma, 41414 309th St., Springfield SD 57062 made Application No. 7266-3, September 6, 2011 for a water permit to divert 1.33 cubic feet of water per second from ground water one well (Niobrara Aquifer), Bon Homme County, South Dakota for irrigation purposes. Permit No. 7266-3, with a priority date of September 6, 2011 was approved December 12, 2011 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before December 12, 2016 and for the application to beneficial use of said water on or before December 12, 2020.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the water supply system and are entitled to divert 1.33 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 870'W and 1,750'N of the southeast corner of Section 7, T93N, R60W (NE ¼ SE ¼)
Latitude 42.88472, Longitude -97.97395

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

Section 7, T93N, R60W		Section 8, T93N, R60W		Section 17, T93N, R60W	
NE ¼ SE ¼	14 acres	NW ¼ SW ¼	17 acres	NW ¼ NW ¼	16 acres
SE ¼ SE ¼	23 acres	SW ¼ SW ¼	8 acres	SW ¼ NW ¼	31 acres

Total 109 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Verlyn & Jeremie Jelsma, 41414 309th St., Springfield SD 57062 the holders and/or owners of Water Right No. 7266-3 are issued a license to appropriate water, the right to use 1.33 cubic feet of water per second from ground water, one well (Niobrara Aquifer) with a priority date of September 6, 2011 from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7266-3 and subject to the following qualifications:

- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 7266-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. ***The well was drilled in August, 2011 by Christensen Well & Irrigation. A copy of the well completion report is on file with the Water Rights Program.***

continued

- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 20 2018

date

