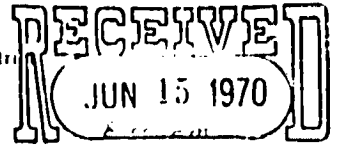


Water Right Number 1759-3

1. Considered July 22, 19 70
2. Name of Applicant City of Volga
3. Post Office Address Volga, South Dakota
4. Amount of Water claimed 1.65
5. Source of Water supply City Wells 2, 3, 4, 5 and 6
6. Water to be used for Municipal
Acres to be irrigated none
7. Water to be diverted and used in Brookings County
about IN CITY LIMITS miles of
8. Proof of Publication Received 1st
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
10. Remarks:

No. 1759-3Map No. 1282-3 Water Division No. 3 BIG SIOUX RIVER

(Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

1. Name of Applicant City of Volga
 Post-office address City Auditor, Volga State South Dakota
 If a corporation show date and place of incorporation July 10, 1963
2. Method of accomplishing work (contract, employment of others, or by direct labor) Well #2, 3, & 4 existing
Well #5, & 6 by contract
3. Name of diversion work City of Volga Municipal Water Works
4. Amount of water claimed (cubic feet per second) Well #2, 3, & 4, 0.25 cfs each; Well #5 & 6, 0.45 cfs each
5. Source of water supply Wells
6. Location of point of diversion See attached map

County Brookings

7. Annual period or periods during which water is to be used Continuous
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal
9. For irrigation use, Total number of acres to be irrigated N/A

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 4 months Additional time required to complete application of water to the proposed beneficial use 6 months
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Volga Tribune
12. Principal Features of the Proposed Water Supply System.
- A. Works proposed to divert water from its natural source.

Wells

B. Works proposed to transport water to place of use.

Water Lines

C. Works proposed to apply water to beneficial use.

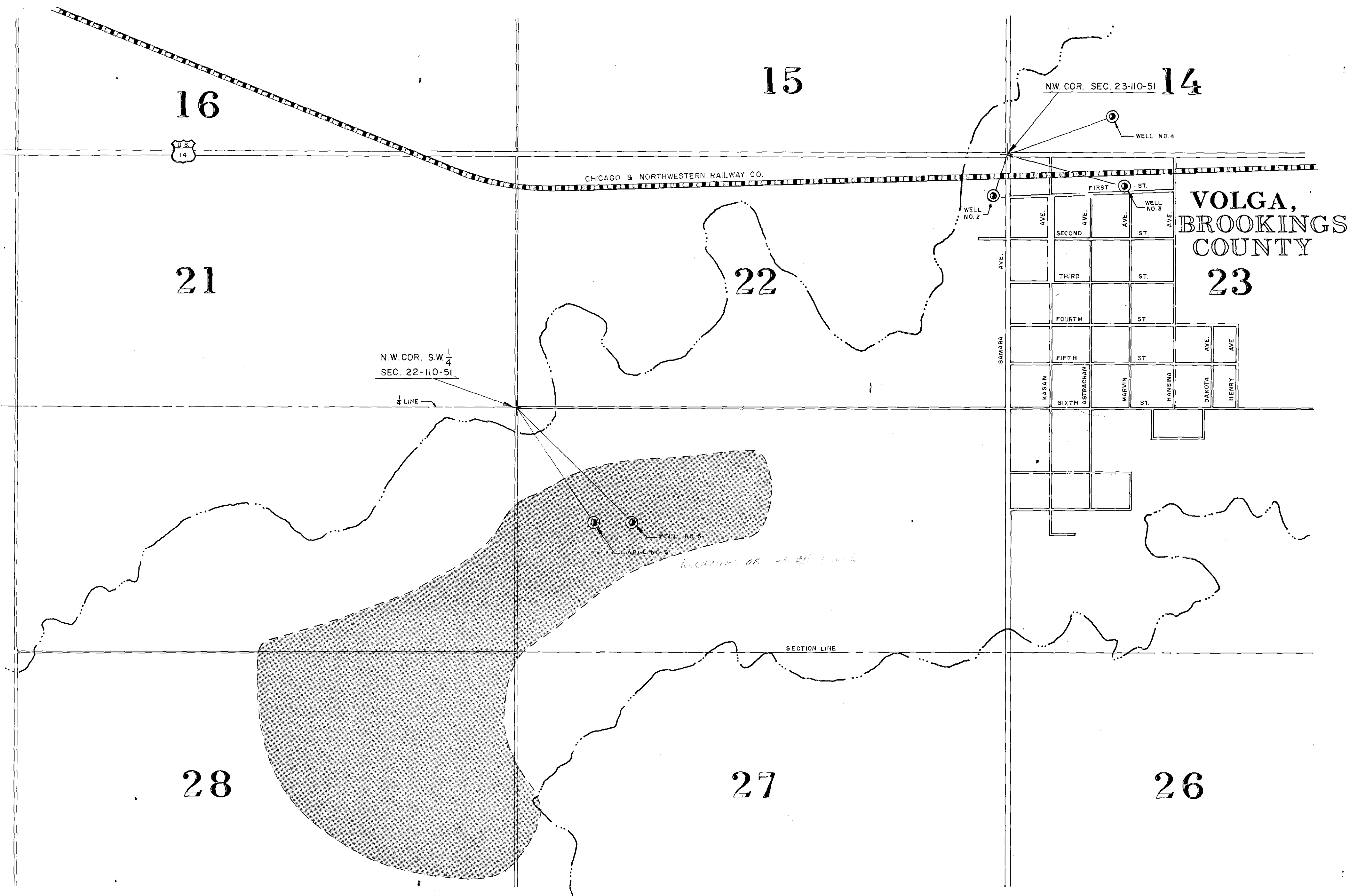
Approximately 200 individual service taps and approximately 50 fire hydrantsEstimated Total Cost \$ 225,000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

) ss.

County of Brookings)
the Mayor of the City of Volga,I, the Mayor of the City of Volga, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.Signed Richard H. Wolf
Mayor, City of VolgaSubscribed and sworn to before me this 11th day of June 1972

Notary Public (or other qualified officer)



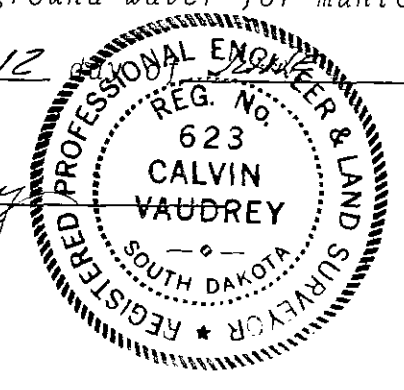
SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA ss
COUNTY OF BROOKINGS ss

I, Calvin Vaudrey, a Registered Land Surveyor in the state of South Dakota, do hereby certify that at the request of the City of Volga, South Dakota, I did survey and locate the sites for which application for an appropriate water rights to withdraw underground water for municipal purposes is made, and that this map is a true representation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12 day of JUNE, A.D. 1970

Calvin Vaudrey
Registered Land Surveyor

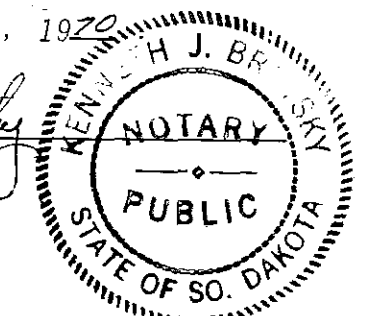


STATE OF SOUTH DAKOTA ss
COUNTY OF BROOKINGS ss

On this day, before me, the undersigned, a Notary Public within and for said state and county, personally appeared Calvin Vaudrey, known to me to be the person who executed the foregoing Surveyor's Certificate and acknowledged to me that he executed the same.

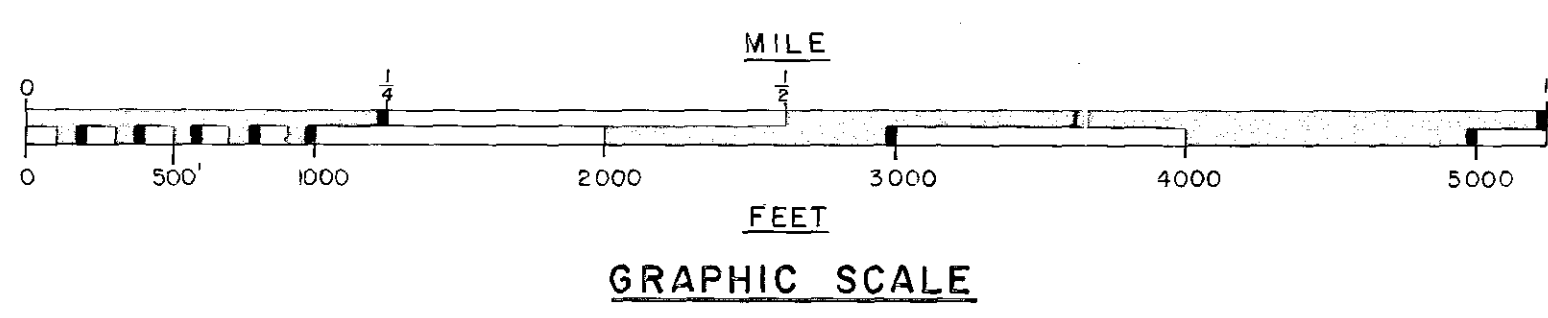
WITNESS my hand and seal this 12 day of JUNE, A.D. 1970

Samuel B. Bertch
Notary Public
My Commission Expires
January 4, 1973



⊙ WELLS FOR WHICH PERMIT TO APPROPRIATE WATER ARE MADE.
INDICATES APPROXIMATE ACQUIFER LIMITS

SOURCE	RATE G.P.M.	BEARING	COURSE FEET	LEGAL LAND TIE
⊙ WELL NO. 2	112	S35°W	675'	N.W. COR. 23-110-51
⊙ WELL NO. 3	112	S73°E	1260'	N.W. COR. 23-110-51
⊙ WELL NO. 4	112	N70°E	1150'	N.W. COR. 23-110-51
⊙ WELL NO. 5	200	S35°E	1565'	N.W. COR. S.W. 1/4 22-110-51
⊙ WELL NO. 6	200	S21°E	1375'	N.W. COR. S.W. 1/4 22-110-51



REV.	DATE	DESCRIPTION	MADE	APPR.
J. T. BANNER & ASSOCIATES, INC. CONSULTING ENGINEERS BROOKINGS, SOUTH DAKOTA				
WATER RIGHTS MAP				
SHOWING LOCATIONS OF DIVERSION POINTS FOR PERMIT TO APPROPRIATE WATER FOR CITY OF VOLGA, SOUTH DAKOTA				
DRAWN: D. G. K.	APPROVED: _____ DATE: _____			
DESIGNED:	APPROVED: _____ DATE: _____			
CHECKED: K. J. B.	FOR J. T. BANNER & ASSOC. INC.			
DATE: JUN. 1970	SCALE: AS SHOWN SHEET 1 OF 1	DRAWING NUMBER 6231		

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1759-3

CITY OF VOLGA
(Applicant)

57071
(Post Office Address)

SOUTH DAKOTA With the following modifications
(State)

The ~~irrigation~~ well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The ~~irrigation~~ well owner, under this Permit, shall control his ~~irrigation~~ withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application JUNE 15 19 70
Date of return to applicant for correction, amendments or changes required - 19 -
Date of receipt of corrected application - 19 -
Approved JULY 22 19 70 Recorded in Book 11 Page 167

WATER RIGHT PERMIT NO. 1759-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1759-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is JUNE 15 19 70
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 22 19 70
3. The whole of said work is to be completed on or before NOVEMBER 22 19 70
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 22 19 71
5. The water appropriated shall be used for the purpose of MUNICIPAL USE
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 1.65 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before MAY 22 19 71; said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 3RD day of AUGUST 19 70

WATER RESOURCES COMMISSION

By: [Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued JUNE 26 19 79

Water License Issued JUNE 26 19 79

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 60", Depth 33'
- (2) Casing, Type Steel Diameter 30" Thickness 0.500"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Everdur slotted, Diameter 30", Length 3'
- (4) Gravel Pack. Thickness 15", Length of gravel pack 33'

E. Dugout Information or Estimates.

- (1) Surface dimensions 11/8, Depth N/A

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Coargo sand and gravel

Depth to top of water bearing material 16'

Depth to bottom of water bearing material 33'

Thickness of water bearing material 17'

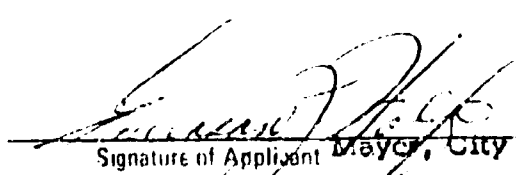
Depth to water (ground surface to water level) 16'

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 10 rds. On property owned by others 10 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.


Signature of Applicant

Mayor, City of Volga

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 60", Depth 27'
- (2) Casing, Type Steel Diameter 30" Thickness 0.500"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Everdur Slotted, Diameter 30", Length 5'
- (4) Gravel Pack, Thickness 15", Length of gravel pack 27'

E. Dugout Information or Estimates.

- (1) Surface dimensions N/A, Depth N/A

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Medium to coarse sand and gravel

Depth to top of water bearing material 11'

Depth to bottom of water bearing material 27'

Thickness of water bearing material 16'

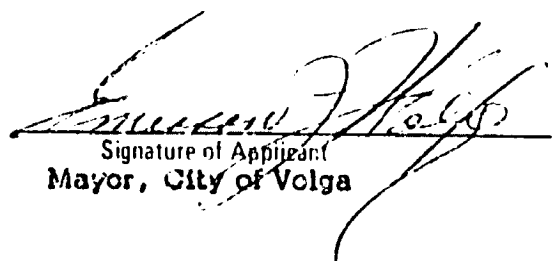
Depth to water (ground surface to water level) 11'

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property None rds. On property owned by others 7 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.



Signature of Applicant
Mayor, City of Volga

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates (Gallery Type)

(1) Drill Hole, Diameter 60", Depth 25' ±(2) Casing, Type Concrete, Diameter 60", Thickness 4"
(wood, concrete, steel, etc)

(3) Perforated Screen. (Horizontal)

Type Concrete, Diameter 18", Length 180'(4) Gravel Pack, Thickness 2' ±, Length of gravel pack 180'

E. Dugout Information or Estimates.

(1) Surface dimensions N/A, Depth N/A

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Medium sand and gravel

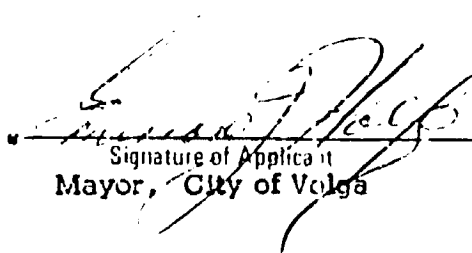
Depth to top of water bearing material 12' ±Depth to bottom of water bearing material 27' ±Thickness of water bearing material 15' ±Depth to water (ground surface to water level) 12' ±

(2) Distance to nearest existing household or livestock watering wells.

On same owner's property None rds. On property owned by others 25 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.


Signature of Applicant
Mayor, City of Volga

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 45'
- (2) Casing, Type Steel Diameter 12" Thickness 3/8"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Everdur Slotted, Diameter 12", Length 12'
- (4) Gravel Pack, Thickness 9", Length of gravel pack 35'

E. Dugout Information or Estimates.

- (1) Surface dimensions N/A, Depth N/A

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Fine to Medium Sand

Depth to top of water bearing material 14'

Depth to bottom of water bearing material 45'

Thickness of water bearing material 31'

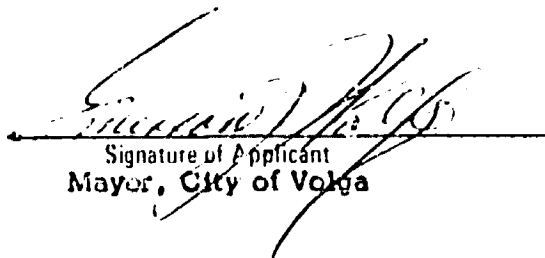
Depth to water (ground surface to water level) 15'

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property None rds. On property owned by others 85 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.


Signature of Applicant
Mayor, City of Volga

WATER LICENSE NO. 1759-3

(1) WHEREAS, On the 15th day of June A. D. 1970
the City of Volga

made Water Right Application No. 1759-3 for a permit to use 1.65 cubic feet per second of the waters
of groundwater (5 wells)

County of Brookings, State of South Dakota, for municipal use
purposes; and

(2) WHEREAS, On the 22nd day of July A. D. 1970
Permit No. 1759-2, with a date of priority of June 15, 1970

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 22nd day of November A. D. 1970 and for the
application to beneficial use of said water on or before the 22nd day of May A. D. 1971

and,

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 1.48 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent:

to be used in place for municipal water supplies for the
City of Volga

(5) NOW, THEREFORE By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to the City of Volga

~~xx~~ South Dakota

the holder S and owner S of said permit No. 1759-3 a water right, dating from June 15, 1970

to use of 1.49 cubic feet per second of the water of groundwater (five wells)

in the County of Brookings and State of South Dakota, or so much thereof as may be necessary for the purposes hereinbefore mentioned to be diverted at Well #2 - S35°W, 675' from NW corner;

Well #3 - S73°E, 1260' from NW corner; Well #4 - N 70°E, 1150' from NW Corner;
all in Section 23; Well #5 - S35°E, 1565' from NW corner of SW¼, Section 22,

and Well #6 - S21°E, 1375' from NW Corner of SW¼, Section 25 - all in T410N
P51W.

and ~~xxxxxxxxxx~~ conducted through the City of Volga's
distribution system,

for the purpose of municipal use

Subject to any limitations listed in Water Right Permit No. 1759-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 26th day of June A. D.
Nineteen Hundred and Seventy-nine

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer JOHN HATCH

Permit No. 1759-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That the City of Volga

_____ the holder _____ of
Permit No. 1759-3, issued upon Application No. 1759-3, bearing date of priority of June 15, 1970
_____ authorizing the diversion of 1.65 cu. ft. per second of the waters of _____
groundwater (five wells) County of Brookings, State of South Dakota x
Well #2 - S35°W, 675' from NW Corner; Well #3 - S73°E, 1260' from
NW Corner; Well #4 - N 70°E, 1150' from NW Corner all in Section 23;
Well #5 - S35°E, ** , for municipal use

_____ purposes, has _____ complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the work of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use 1.40 cu. ft. per second of water.

Date June 26, 1970

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Commission

** 1565' from NW corner of SW $\frac{1}{4}$, Section 22, and Well #6 - S21°E, 1375'
from NW corner of SW $\frac{1}{4}$, Section 25 - all in T110N - R51W.

Publish first publication, on or before 1759-3
June 25, 19 70

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

June 19, 19 70

Notice is hereby given that the City of Volga

whose post office address is _____, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use

1.65 cubic feet of water per second of time from the ground water through the Volga City Wells 2, 3, 4, 5 & 6

_____ the point of diversion of which is to be located in the _____

SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 14; SW $\frac{1}{4}$ and NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 22; and NW $\frac{1}{4}$ NW $\frac{1}{4}$;

of Section 23, Twp. 110N, Range 51W. Said water to be used for the purpose of providing irrigation on the following described land:

municipal supplies for the City of Volga

This application No. 1759-3 will be considered by the Water Resources Commission at their office at

Pierre upon the 22nd day of July, 19 70, at 2:00 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

FURTON P. JONES, Water Rights Specialist

cc: **Emerson J. Wolf, Mayor**
City of Volga, South Dakota

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County BROOKINGS) ss

I, THEO BRADBURY hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Volga Tribune

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

CITY of VOLGA

County of BROOKINGS and State of South Dakota;
that the said notice was published in said newspaper on the following
four dates:

JUNE 25, 1970

JULY 2, 1970

JULY 7, 1970

JULY 16, 1970

Theo Bradbury
(Signature)

Publisher
(Title)

7/28/70
(Date Signed)

NOTICE
INTENT TO APPROPRIATE
WATER

Pierre, South Dakota 57501
June 19, 1970

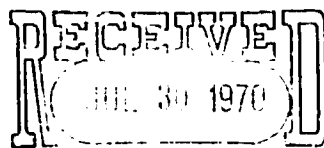
Notice is hereby given that the City of Volga, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 1.65 cubic feet of water per second of time from ground water through the Volga City Wells 2, 3, 4, 5 and 6, the point of diversion of which is to be located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 14; SW $\frac{1}{4}$ and NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 22; and NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 25, Twp. 11N, Range 51W. Said water to be used for the purpose of providing municipal supplies for the City of Volga.

This application No. 1751-3 will be considered by the Water Resources Commission at their office at Pierre upon the 22nd day of July, 1970, at 2:30 P.M. All interested persons may appear and be heard.

WATER RESOURCES
COMMISSION

By BURTON F. JONES,
Water Rights Specialist

Published in The Volga Tribune
June 25, July 2, 9, 16, 1970 *



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

1754-3 C. G. of Volga

5-9-76 Well #6. Depth 43 ft. 20 ft. 1

Water pump 200 gpm. 12 ft. 20 ft. 1

Main line 10" pipe A.C. to tank. 7"

Tower Pump 1150 RPM 1750 RPM

Motor. 115 E.C. 10 HP. 1750 RPM

Model K 9156-00-2780 2073432

Pump Payne, & Bowler Co.

Pump # 64644

Well 5. Depth 40 ft. 20 ft. 1

10 HP 115 E.C. Motor 1750 RPM

Model same as above Prod # K 2073492

Pump Payne Bowler.

Pump # 64645 Pump 200 gpm

Permit No. 1754-3Water Division 3 Big Sioux River Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by City of Volga
Volga of Volga, South Dakota. 57071 holder
 of Permit No. 1754-3, bearing date of priority of June 15, 1970
 authorizing the diversion of 1.65 cu. ft. per second of the waters of Five Wells
 for Municipal purposes, in Brookings County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water:

Well #2: Motor - Westinghouse, Model 254-4PH, Ser # 518C378605
 7.5 HP - 1745 RPM. Pumps 60 gpm
 Pump - Fairbanks Morse, Ser # K2F251334, Size 12X, 6 PM 692.7
 Well #3, Motor - 365 Electrical, Ser # 3640615, 7 1/2 HP, 1800 RPM.
 Pump - Worthington, Size 15-12-11-5, Ser # VTP 118-14, Pumps 60 gpm

B. Works used to transport water to place of use, (See Reverse side of this form)

10" Asbestos Cement Pipe from Wells 5+6 to City
 City Water System pipelines.

C. Works used to apply water to beneficial use.

City of Volga.

The system is in the following condition: Good

The point of diversion is located Well #2 - S 35 1/4 675 ft from NW Cor Sec. 23, T110N R51W
Well #3 - S 73 1/4 1260 ft from NW Cor. Sec. 23 T110N R51W (See back side)

The works are capable of diverting and conveying to the place of use 1.49cu. ft. per second of water which is to be used for Municipal

Water has been put to beneficial use to the maximum extent as follows:

comprising a total of _____ acres of land.

Well Data:

#2 - depth = 33 ft
 Pumps = 60 gpm

#3 - depth = 28 ft
 Pumps = 60 gpm

#4 - depth = unknown
 Pumps = 150 gpm

#5 - depth = 40 ft
 to water = 20 ft
 draw down = 12 ft
 Pumps = 200 gpm

#6 - depth = 40 ft
 to water = 20 ft
 draw down = 12 ft
 Pumps = 200 gpm

Date December 12, 1978

LaRoy J. McNaught
 (Signature)

Par 1. A. Well #4, Motor U.S. Electrical, Model R-1753-01-76S
10 HP, 1800 RPM
Pump - Fairbanks Morse, Panama Pump Co, Pumps 150 gpm

Well #5 - Motor U.S. Electric, Model " R-2956-00-2700,
Ser # R 2023492, 10 HP, 1750 RPM
Pump - Layne-Bowler, No 64645. Pumps 200 gpm.

Well #6. Motor U.S. Electric, Model R 2956-00-27
Ser # R 2023432,
Pump - Layne Bowler No 64644, Pumps 200 gpm

Points of Diversions

Well #4 - N 70° E 1150 ft from the NW Cor Sec. 23 T110N R51W

Well #5 - S 35° E 1565 ft from the NW Cor of SW ¼ Sec. 22,
T110N R51W

Well #6 - S 21° E 1375 ft from the NW Cor. of SW ¼ Sec. 25
T110N R51W

RECEIPT

WATER RIGHTS COMMISSION

No 4 6930

State of South Dakota

PIERRE, June 1

79

19

RECEIVED OF City of Volga, Volga SD 57071

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

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____		
Fee for inspecting Construction, and issuing Cert. of Construction No. 1750-3)	12	00
Fee for inspecting Beneficial Use, and issuing Water License No. 1750-7)		
Fee for issuing Location Certificate-Dry Draw, No. _____		
Fee for filing _____		
Fee for certified copy of _____		
Fee for Print copy of map _____		
Fee for Certifying _____		
Fee for _____ (any other work as provided by law)		
TOTAL	12	00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH KJW

1759-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

March 24, 1995

1759-3

Steven Meyer, Water Superintendent
City of Volga
PO Box 217
Volga, SD 57071-0217

Dear Mr. Meyer:

This letter is in regard to a Water Right No. 1759-3, held by the city. In reviewing the water right, it seems there is a discrepancy in the legal description we have listed for Well #6.

The original application and map, submitted by the city, describes Well #6 as S21°E 1375 feet from the NW corner of the SW 1/4 Section 22, T110N, R51W. The examination of works done in 1978 and the subsequent water license describe Well #6 as being S21°E 1375 feet from the NW corner of the SW 1/4 Section 25, T110N, R51W.

It would appear from reviewing the file, that the well is in the SW 1/4 Section 22 and not the SW 1/4 of Section 25. Prior to making any changes on the water right, we would request a clarification from the city on the location of the well.

I am enclosing a copy of the map submitted with the application. Please review it and contact us concerning the location of the well. If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosure

**Water Rights Division -DENR
Conversation or File Documentation**

NAME OF PERSON OR FILE: Steven Meyer, Water Superintendent

ADDRESS: City of Volga, PO Box 217, Volga, SD **COUNTY:** Brookings

DATE: April 3, 1995 **TELEPHONE:**

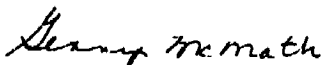
RE: Location of Well #6 on Water Right No. 1759-3

COMMENTS:

On March 24, 1995, I wrote a letter to Mr. Meyer requesting information on the location of Well #6. The examination of works and water license described the well as being in Section 25. The original application and map described the well as being in Section 22.

Mr. Meyer called regarding my letter and stated the well is in Section 22 not 25. I told Mr. Meyer we would reissue the water license to correct the error.

The correct location is: S21°E 1375 feet from the NW corner of the SW 1/4 Section 22, T110N, R55W.


Genny McMath
Environmental Scientist

STATE OF SOUTH DAKOTA

REISSUED WATER LICENSE NO. 1759-3

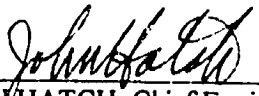
(1) The City of Volga, PO Box 217, Volga, SD 57071-0217 was issued Water License No. 1759-3, on June 26, 1979 for a water right to appropriate 1.49 cubic feet of water per second from groundwater (five wells), Brookings County, South Dakota for municipal purposes. Water License No. 1759-3, with a priority date of June 15, 1970 was issued to the city for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

The water license issued on June 26, 1979 contained an error in the legal description of Well #6. The original application map described the well as being located S21°E 1375 feet from the NW corner of the SW 1/4 Section 22, T110N, R51E. The examination of works and subsequent water license described the well to be S21°E 1375 feet from the NW corner of the SW 1/4 Section 25, T110N, R51E. Well #6 is located in Section 22 as stated on the original application map. The water license is being reissued to correct the error. Reissuance of the water license does not alter the remaining portions of the original license.

(2) It is certified that the city has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.49 cubic feet of water per second for beneficial use. The location of the diversion points are Well #2 - S35°W, 675' from the NW corner; Well #3 - S73°E, 1260' from the NW corner; Well #4 - N70°E, 1150' from the NW corner Section 23; Well #5 - S35°E, 1565' from the NW corner of the SW 1/4; Well #6 - S21°E, 1375' from the NW corner of Section 22, T110N, R51W. (Well #2 - NE 1/4 NE 1/4 Section 22; Well #3 - NW 1/4 Section 23; Well #4 - SW 1/4 Section 14; Wells #5-6 - SW 1/4 Section 22)

(3) The city has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Volga, PO Box 217, Volga, SD 57071-0217 the holder and/or owner of Water Right No. 1759-3 is issued a license to appropriate water, the right to use 1.49 cubic feet of water per second from groundwater (5 wells) with a priority date of June 15, 1970 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Water Right No. 1759-3 and subject to South Dakota State Law.



JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and Natural Resources

SEP 6 1995

date



1759-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

SEP 6 1995

Marcia Thompson, Finance Officer
City of Volga
PO Box 217
Volga, SD 57071-0217

Dear Ms. Thompson:

Enclosed is Reissued Water License No. 1759-3. The water license has been reissued to correct an error in the legal description of Well #6. The remaining portions of the original water license were not altered by reissuing the license.

If you have any questions concerning the reissued license, please contact us.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605)773-3352

gm
enclosure



1759-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

July 18, 2012

City of Volga
Steven M Meyer, City Administrator
PO Box 217
Volga SD 57071

Dear Mr. Meyer:

I am writing in regard to a well driller's report filed by Lacey Well Drilling, Inc. The report shows a new well was completed for the city on April 6, 2012.

A review of our files indicates the city holds Water Right Nos. 1759-3, 5167-3 and 5941-3 for municipal use. If you need a copy of the water rights, please let me know.

Mr. Meyer, is this a replacement well or an additional well? If the authorized diversion rates are increased, a new water permit will need to be obtained. Once we know this information, we can determine what additional action, if any, needs to be taken to ensure the water rights accurately reflect the city's water use system.

Please contact Eric Gronlund or me regarding the status of this well or if you have any questions.

Sincerely,

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

11-02

21/5/12

Please return White Copy to DENR Water Rights

Water Rights Program - File Documentation

NAME: Steve Meyer

ADDRESS: City of Volga

DATE: 7-25-12 **COUNTY:** BG **TELEPHONE:**

RE: Well completion Report

COMMENTS:

Steve Meyer called about my 7-18-12 letter to the city regarding a completion report submitted by Lacey Well Drilling.

Mr. Meyer indicated this was a replacement for one of the wells authorized by Water Right No. 1759-3. It is located 15 feet from the original well and approximately the same depth. No additional water is being pumped.



Karen Schlaak
Environmental Scientist

SOUTH DAKOTA WATER WELL COMPLETION REPORT

SD EForm - 1621LD V1

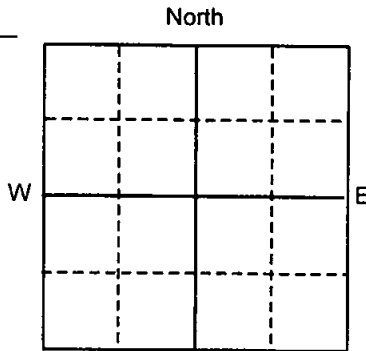
11-02

1759-3

Location NW ¼ SW ¼ Sec 22 Twp 110 Rg 51

County Brookings

Please mark well location with an "X"



Well Completion Date

10-31-2017

← 1 Mile →

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
75.0 ft. from Septic (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>12.00</u> IN	<u>0.0</u> FT	<u>32.0</u> FT	<u>17.50</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>Neat Cement</u>	<u>6</u>	Lb/gal	<u>0.0</u> Ft	<u>22.0</u> Ft
<u>Bentonite</u>	<u>2</u>	Lb/gal	<u>22.0</u> Ft	<u>27.0</u> Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 12.00 Inches Length 13.0 Feet

Material Stainless Steel

Slot Size .060 Set From 32.0 Feet to 45.0 Feet

Other information Bottom 1 foot is tight wound

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? Chlorinated

☐ No, Why Not?

Lab to which water quality sample sent for analysis

State Lab in Pierre

Well Owner: City of Volga

Business Name: 226 Kansa Ave

Address:

City, State, Zip: Volga SD 57071

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	3
Yellow Clay	3	5
Gravel & Sand Fine- Coarse	5	49
Yellow Clay	49	50

STATIC WATER LEVEL 14.5 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: Test Pumped
☐ Bailed
☐ Other

Pumping Level Below Land Surface

31.8 Ft. After 6.0 Hrs. pumped 168.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

GPS N 44 18.908 W 96 56.800

Big Sioux: Brookings AM

This well was drilled under license # 475 and this report is true and accurate.

Drilling firm: Thein Well Company, Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

RECEIVED

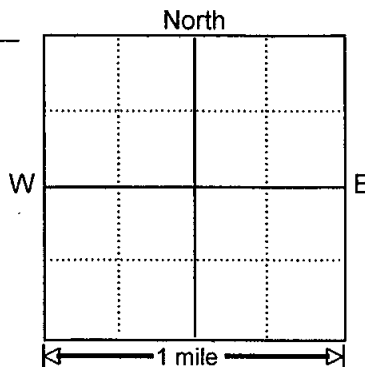
NOV 15 2017

Date:

WATER RIGHTS PROGRAM

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location NW ¼ SW ¼ Sec 22 Twp 110 Rg 51

Well Owner:

County BROOKINGSPlease mark well
location with an "X"Name: CITY OF VOLGAAddress: 226 Kansas AveCity, State, Zip: VOLGA SD 57071

Comments:

GPS N 44 18.908 W 96 56.795

Plugging Completion Date 10-17-2017**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 45Casing material SteelCasing size(s) 12"Casing condition Fair

Hole depth _____

Hole size _____

Describe plugging procedure:

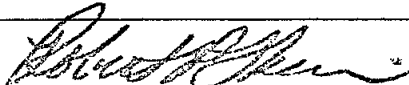
Tremie Piped

Describe grout or plugging material:

Neat Cement- 5 Bags

Bentonite- 12 bags

Type of non-slip plug: _____

This well or test hole was plugged under license # 475 and this report is true and accurate.Drilling firm: Thein Well CompanySignature of Licensed Representative: 

Signature of Well Owner: _____

Date: _____

RECEIVED
NOV 15 2017
WATER RIGHTS
PROGRAM

Schlaak, Karen

From: Kristin Bisgard <kristinb@bannerassociates.com>
Sent: Wednesday, November 29, 2017 8:37 AM
To: Duvall, Ron
Cc: Nick Gillen; Jameson Berreth; Schlaak, Karen
Subject: RE: [EXT] Well #6 Replacement Map - Volga, South Dakota

Please comments below in red. Please let me know if you need any additional information.
Thanks,
Kristin

Kristin Bisgard | Project Manager
Banner Associates, Inc. | Brookings, SD
Tel | 605.692.6342 Toll Free | 1.855.323.6342
www.bannerassociates.com

From: Duvall, Ron [<mailto:Ron.Duvall@state.sd.us>]
Sent: Tuesday, October 24, 2017 4:38 PM
To: Kristin Bisgard <kristinb@bannerassociates.com>
Cc: Nick Gillen <nickg@bannerassociates.com>
Subject: RE: Well #6 Replacement Map - Volga, South Dakota

Here's the attachment I forgot to send.

From: Duvall, Ron
Sent: Tuesday, October 24, 2017 11:28 AM
To: 'Kristin Bisgard'
Cc: Nick Gillen
Subject: RE: [EXT] Well #6 Replacement Map - Volga, South Dakota

Kristin,

Sorry, I don't track with this sentence, "We have included anticipated capacities as well as depths." There was nothing included other than the map in your email.

- Water Right No. 1759-3 (see screenshot below for portion of water license) authorizes diversion of 1.49 cfs from 5 wells – Nos. 2 through 6. It appears that Nos. 2 through 4 are no longer in use (at least not showing on your map). Is that correct? **Yes, that is correct.**
- A replacement well was also constructed in 2012 (see attached PDF). I assume the replacement was for well No. 5. Is that correct? **Yes, that is correct.**
- How long has well No. 6 been unused? **A couple of years.**
- Assuming the proposed replacement for No. 6 will be in the same aquifer as abandoned No. 6, but will the authorized diversion rate on Water Right No. 1759-3 of 1.49 cfs be sufficient for No. 5 and replacement No. 6? Here is a link to the entire file for No. 1759-3: http://denr.sd.gov/wrimage/wrinfo/wr_div3/1759-3.pdf **Yes, the authorized diversion rate of 1.49 cfs is sufficient for Wells 5 and 6.**

(5) NOW, THEREFORE By the virtue of the authority vested in us by the laws of the State of South Dakota, we do hereby confirm to _____ the City of Volga _____
_____ xx _____ South Dakota _____
the holder S _____ and owner S _____ of said permit No. 1759-3 a water right, dating from _____
_____ to use of _____ 1.49 _____ cfs
of groundwater (five wells) _____
in the County of Brookings _____ and State of South Dakota, or so much the
purposes hereinbefore mentioned to be diverted at Well #2 - S35°W, 675' from N
Well #3 - S73°E, 1260' from NW corner; Well #4 - N 70°E,
all in Section 23; Well #5 - S35°E, 1565' from NW corner
and Well #6 - S21°E, 1375' from NW Corner of SW1/4, Section
and ~~XXXXXXXXXX~~ conducted through the City of Volga's
distribution system, _____

Thank you,

Ron Duvall
SD DENR, Water Rights Program
(605) 773-3352
denr.sd.gov



From: Kristin Bisgard [<mailto:kristinb@bannerassociates.com>]
Sent: Tuesday, October 24, 2017 10:17 AM
To: Duvall, Ron
Cc: Nick Gillen
Subject: [EXT] Well #6 Replacement Map - Volga, South Dakota

Ron –
Attached is a map from google earth showing the location of Volga's existing wells and the location of their new well #6. We have included anticipated capacities as well as depths. We have been in contact with the office of Drinking Water and will make sure to get the appropriate water samples collected.
If you need any additional information, please feel free to give me a call or drop me an email.
Thanks,
Kristin

Kristin Bisgard | Project Manager



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Brookings, South Dakota 57006
Tel | 605.692.6342 Toll Free | 1.855.323.6342
www.bannerassociates.com

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