

1. Considered: 2-24, 1983 Water Right No. 4943-3
2. Name of Applicant BIG SIOUX COMMUNITY WATER SYSTEM
3. Post Office Address DELL RAPIDS
4. Amount of Water Claimed .50 maximum acre feet
5. Source of Water Supply GROUNDWATER 2-46' DEEP WELLS
6. Water to be used for RWS acres to be irrigated
7. County LAKE about 2N, 2W miles of CHESTER
8. PROOF OF PUBLICATION: Received 2-9-83 Not Received
- APPLICATION: Approved 2-24-83 Subject to WI
- Not Approved Action Deferred

PRIORITY Dated Received 1-26-83 Application complete-yes ✓ no FEE N/R

Remarks SIGNED DRIVERS LOG NOT REC'D - GARY PATON WILL CONTACT DRIVER TO SEND IN LOG

Corrected Application received Period of Annual Use CONTINUOUSLY

WATER QUALITY Received yes no APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as application-yes no Remarks

Disapproved Returned

					51W

Diversion Point NW⁴NW⁴

SECTION 9, T105N, R51W

Land to be irrigated

WELL LOG Driller LACEY Licensed - yes ✓ no

Depth 46'

Remarks

MAP Map No. 4143-3 Map located in Water Right ✓ Map file _____
 Type of Map drawn Prepared by Bary Patton

REVIEWED This Application was ~~received~~ ^{renewed} within 30 days of the date received, accepted as complete, Number assigned and written up for advertisement before the Board on:

1-26-83

[Signature]
 (Signed)

PROTESTS Letters/Petitions in File - yes _____ no _____ Remarks _____

REMARKS Date
 F.F. & C. Final Decision, including F.F. & C. of Law were adopted _____
 OF LAW, Date
 FINAL Final Decision mailed to parties and/or parties notified that Final Decision was
 DECISIONS adopted _____
 ETC. Remarks _____

No. 4943-3Map No. 4143-3 Water Division No. 3 Big Sioux River District

Above for Office Use 10170203



APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

Check one of the following:

New ☒ Vested Right _____ Future Use _____

Change in Diversion _____ Additional Diversion _____

Change in Acreage _____ Additional Acreage _____

1. Name of Applicant Big Sioux Community Water System Phone No. (605) 692-7800Post Office Address R.R. 1, Box 46 Dell Rapids State South Dakota 57022
(Street, RR, or Box) (Town) (Zip Code)If a corporation show date and place of incorporation June 1, 1972; Colman, SD2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract3. Name of diversion work Big Sioux Community Water System Well No. C-1 & C-24. Amount of water claimed (cubic feet per second) 0.505. Source of water supply Upper Skunk Creek-Lake Madison Aquifer6. Location of point of diversion NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 9, T105N, R51WCounty Lake7. Annual period or periods during which water is to be used continuously8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) RWS

9. For irrigation use, Total number of acres to be irrigated _____

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 1 years. Additional time required to complete application of water to the proposed beneficial use 1 years.11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Madison Daily Leader

12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Two gravel packed wells

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

Pumping station and buried pipeline network

C. Works proposed to apply water to beneficial use.

Individual farm and community distribution systemsEstimated Total Cost \$ 315,000

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map. (see instructions concerning preparation.)

IOWA
STATE OF ~~SOUTH DAKOTA~~)
County of Lyon) ss.I, Gary Patton, P.E. applicant's Engineer
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 Gary PattonSubscribed and sworn to before me this 24th day of January, 1983MARY ROSE WHITE
MY COMMISSION EXPIRES
September 30, 1984

Notary Public (or other qualified officer)

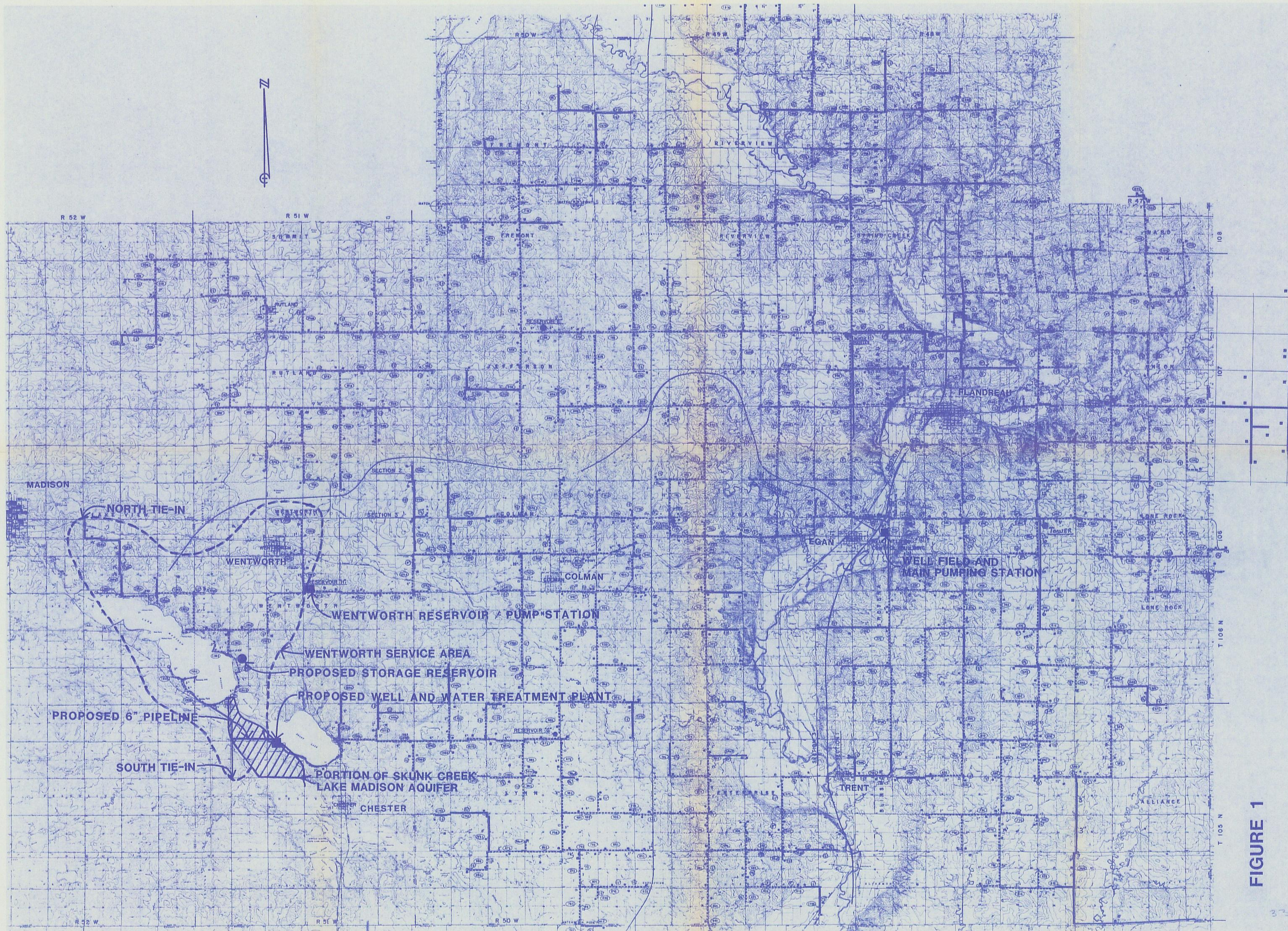


FIGURE 1

BIG SIOUX COMMUNITY WATER SYSTEM



WATER RIGHT APPLICATION APPROVAL

The Board of Water Management hereby approves Water Right Application No. 4943-3

Big Sioux Comm. Water Sys. Rt1 Box46 Dell Rapids
(Applicant) (Post Office Address)

South Dakota 57022
(State)

With 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 wells having prior water rights.

Date of first receipt of application January 26, 1983

Date of return to applicant for correction, amendments or changes required January 26, 1983

Date of receipt of corrected application January 31, 1983

Approved February 24, 1983, Recorded in Book Page

WATER RIGHT PERMIT NO. 4943-3

The Board of Water Management hereby grants and issues this Water Right Permit No. 4943-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is January 26, 1983
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before August 24, 1985
3. The whole of said work is to be completed on or before February 24, 1988
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is February 24, 1992
5. The water appropriated shall be used for the purpose of Rural Water System

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 .50 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 irrigation purposes said appropriation must be limited to not more than 2 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 , 19 ; said water to be used during the following described annual period: Continuously

Witness my hand this 9th day of March, 1983

THE BOARD OF WATER MANAGEMENT

By: John H. Helt
Chief Engineer, Water Rights

Certificate of Construction Issued , 19

Water License Issued , 19

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

- (1) Drill Hole, Diameter 18 inches, Depth 46 feet
- (2) Casing, Type steel, Diameter 10 inches, Thickness 0.375
(wood, concrete, steel, etc.)
- (3) Screen, Type Stainless Steel, Diameter 10 inches, Length 10 feet
- (4) Gravel Pack, Thickness 4 inches, Length of gravel pack 22 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 24 feet

Depth to bottom of water bearing material 46 feet

Depth to water (ground surface to water level) 7 feet

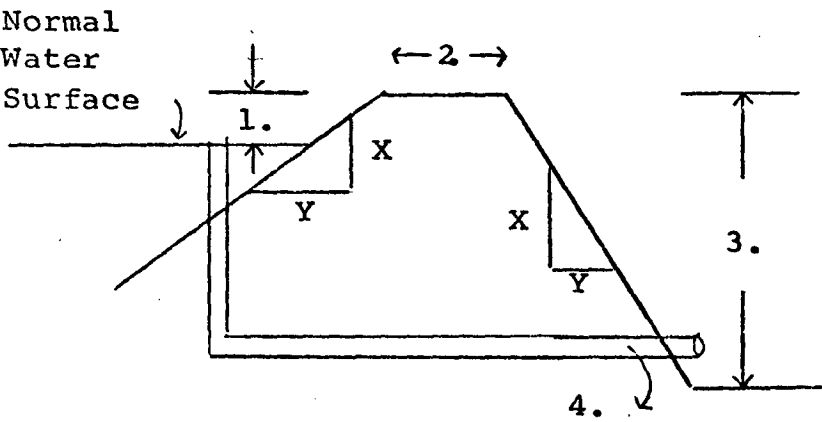
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property (none) rds.

On property owned by others 700 feet rds.

G. Water Storage Dams

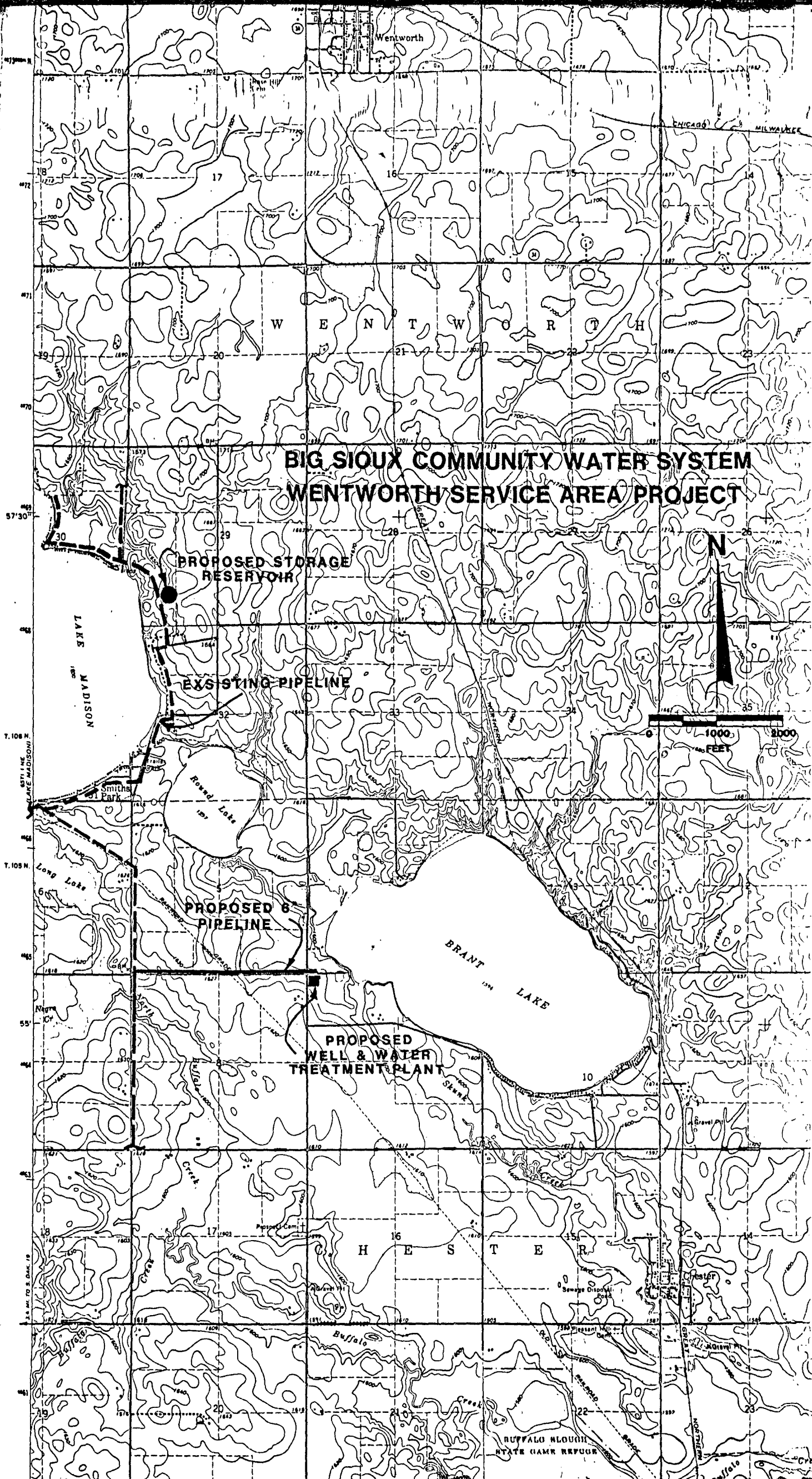
If the proposed water use system contains one or more water storage dams, please show in the space below, the height, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage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



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
Pipe diameter _____
Spillway width _____
- X & Y slope:
Upstream _____
Downstream _____
Surface area of impoundment _____
Drainage area above dam _____

John F. Patton
Signature of Applicant

**BIG SIOUX COMMUNITY WATER SYSTEM
WENTWORTH SERVICE AREA PROJECT**



In Water Since 1946

LACEY WELL DRILLING

Wells
Test Drilling
Irrigation Supplies

Box 796
Trent, South Dakota 57065
Telephone 428-5686 or 428-5979

Pumps
Water Specialists
Water Source Heat Pumps

Water Rights Commission
Joe Foss Bldg

Bart:

Here is a log of the test well south of
Brandt Lake drilled for Big Sioux
Rural Water System.

Drilled around 12-1-82)

SWL 7'

- 0-2' Black top soil
- 2-4' CLAY
- 4-5' SAND
- 5-7' CLAY
- 7-20' SAND
- 20-24' Yellow CLAY
- 24-46' Grey gravel
- 46- Blue clay (hard)

Thanks

Jim
Lacey



Test Hole #1 Log

Near NLI 1/4 Sec. 4, T10N, R. 51W

0-2' topsoil

2-4' clay

4-5' sand

5-7' clay

7-20' sand

20-24' clay

24-46' grey gravel

46' blue clay

(7' to static water level)

6/60

Well Owner: Big Sioux RWS
Name Egan SD
Address

Well Location:

Mark location with an "X"

1 mile

County LAKE 1 mile
NW 1/4, NE 1/4, NW 1/4 Sec. 9 Twp. 105 Rg. 51

Proposed Use:

☒ Domestic	☒ Municipal	☐ Test Holes
☐ Irrigation	☐ Industrial	☐ Stock

Method of Drilling: ☐ Forward Rotary ☒ Bored ☐ Jetted
☐ Reverse Rotary ☒ Cable ☐ Other

Well Construction:

Diameter of Hole 12"

Depth _____

Casing ☒ Steel ☐ Concrete

☐ Plastic ☐ Other

If other, specify _____

Was casing end left open	<u>NO</u>
Was a well screen installed	<u> </u>
Describe Well Screen	
Diameter <u>12"</u>	Material <u>SS</u>
Slot size <u>0.06</u>	
Was well gravel packed	<u>X</u>
Was well grouted	<u>X</u>
Was water sample taken	<u>VXX</u>

Remarks:

Water Level Information:
 Static water level 2.4' below land surface
 If flowing: closed in pressure PSI
 rate of flow GPM
 Controlled by:
 ☒ Valve ☐ Reducers ☐ Other
 If other; specify _____

Well Test Data:

☒ Pumped _____

☐ Bailed Describe: _____

☐ Other _____

Pumping Level Below Land Surface

27 ft. After 27 Hrs. pumped 440 GPM

_____ " " _____ " " _____ " "

_____ " " _____ " " _____ " "

Well Log:

Formation	Depth	
	From	To
Blue to p soil	0	6
Grey clay & sand	6	14
clean sand	14	18
Blue CLAY	18	26
FINE GRAY SANDS	26	34
LAYERED FINE	34	45
* COARSE		

(Use Rack if Necessary)

Date Completed: 11-7-83

Driller: Lee McCall 11
Driller's or Firm's Name License NO.
Trout SR
Address
James J. Tracy 11-983
Signed By Date

Ltr. 11-16-83

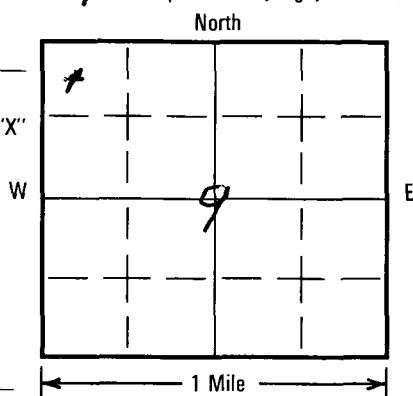
AND 0% REDUCTION WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATURAL BUREAU OF STANDARDS FOR PERFORMANCE OF STAIN-RESISTANT FINISHES. REFRACTIONS. REDUCTION 25 ROLL NO. 76-1 1-13-54 1-13-54 1-13-54

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NW 1/4 Sec 9 Twp 105-N Rg 51-WCounty Lake

Please mark well location with an "X"



Well Completion Date

1-4-01

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1000 ft. from FARMSTEND (identify source).

PROPOSED USE:

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

METHOD OF DRILLING: False casingCASING DATA: ☒ Steel ☐ Plastic ☐ OtherIf other describe sub 40

PIPEWEIGHT DIAMETER FROM TO HOLE DIAMETER
50 LB/FT 12 IN +1 FT 41 FT 20" IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN

GROUTING DATA

Grout Type No. of Sacks Grout Weight From To
Bentite 1200# chips lb./gal _____ ft. _____ ft.
 _____ lb./gal _____ ft. _____ ft.

Describe grouting procedure ran chips in on way out w/ false casingSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 8' FEETMaterial SS - Hi FloSlot Size 080 Set From 41 Feet to 49 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: _____

NO, Why Not? _____

Laboratory sent to for water quality analysis

Big Siouxchlorinated
pack & fillWell Owner: Big Sioux RWSBusiness Name: SAIMEAddress: R3 B158
Egan, S.D 57024

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>topsoil</u>	<u>0</u>	<u>2</u>
<u>sand</u>	<u>2</u>	<u>4</u>
<u>Road Gravel</u>	<u>4</u>	<u>14</u>
<u>Clay</u>	<u>14</u>	<u>26</u>
<u>COARSE GRAVEL</u>	<u>26</u>	<u>37</u>
<u>" "</u>	<u>37</u>	<u>43</u>
<u>FINE GRAVEL</u>	<u>43</u>	<u>46</u>
<u>COARSE GRAVEL</u>	<u>46</u>	<u>49</u>

STATIC WATER LEVEL 8' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: 24 hr test☐ Bailed☐ Other

Pumping Level Below Land Surface

22.65 ft. After 24 Hrs. pumped 450 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

MAY 29 2002

WATER RIGHTS PROGRAM

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm LACEY WELL

Signature of License Representative:

James J. Lacey

Signature of Well Owner or Equitable Property Holder:

Date: _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

#4 4993-3
Brandt 07-92

Location SW 1/4 NE 1/4 Sec 9 Twp 105 N Rg 51 W

County

North

LAKE

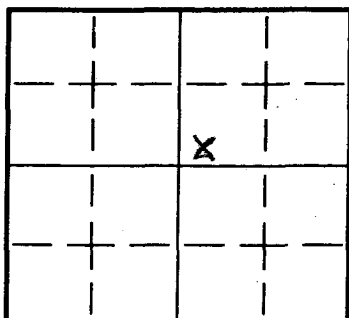
Please mark well location with an "X"

W

E

Well Completion Date

5-23-02



1 Mile

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well,

feed lot, etc.)? 1/4 mile ft. from LAKE (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket- False Casing

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>50 LB/FT</u>	<u>12" IN</u>	<u>12 FT</u>	<u>36 FT</u>	<u>20" IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Pertac</u>	<u>24</u>	<u>50 lb./gal</u>	_____ ft.	_____ ft.
<u>Comart</u>	_____	_____ lb./gal	<u>12</u> ft.	<u>8</u> ft.

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 12" IN Length 10' FEET

Material Stainless Steel

Slot Size 7/16" x .000 Set From 36 Feet to 46 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?

Laboratory sent to for water quality analysis

RWS

Well Owner: Big Sioux

Business Name: MARTIN JARED

Address: RR3 Box 158

Egan SD 57024

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Black Topsoil</u>	<u>0</u>	<u>2</u>
<u>GRAVEL</u>	<u>2</u>	<u>14</u>
<u>HARD Blue Clay</u>	<u>14</u>	<u>18</u>
<u>COARSE GRAVEL</u>	<u>18</u>	<u>27</u>
<u>Green Sand</u>	<u>27</u>	<u>33</u>
<u>COARSE GRAVEL</u>	<u>33</u>	<u>37</u>
<u>COARSE GRAVEL</u>	<u>37</u>	<u>46</u>

STATIC WATER LEVEL

15'3"

Feet

If flowing: closed in pressure

PSI

GPM flow through

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate

GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped

Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

34'2" ft. After 16 Hrs. pumped 200 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate

GPM

REMARKS

RECEIVED

JUL 05 2002

This well was drilled under license # 111

WATER RIGHTS PROGRAM

And this report is true and accurate.

Drilling firm

Lacey Well Drilling

Signature of License Representative:

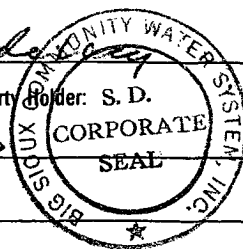
Signature of Well Owner or Equitable Property Holder:

S. D.

CORPORATE SEAL

Date:

6/30/2002



1-26-83

CALLED GARY PATTON - THE LOG
WAS TAKEN FROM DRIVER'S LOG -
HE IS CONTACTING LACEY, AND
THEY WILL SEND IN SIGNED LOG.

IS ALSO SENDING IN A ~~SEE~~
SUMMARY OF REASONS FOR THESE
VIOLATIONS.

No. 4943-3

Publish first publication, on or before February 2, 1983

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 27, 1983

Notice is hereby given that Big Sioux Community Water System whose post office

address is RR #1, Box 46, Dell Rapids, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9; 46-1-12 thru 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-25, 46-5-41 (~~ground~~) 46-6-3 thru 46-6-5, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, (~~future use~~) 46-5-38; (~~transfer lands~~) 46-5-33 thru 46-5-35 and Board Rules ARSD 74:02:01:01 thru 74:02:01:15, (~~future use~~) 74:02:01:23 thru 74:02:01:26 (10,000 AFA) ~~74:02:07:01 thru 74:02:07:03~~, for a permit to appropriate for beneficial use

0.50 cubic feet of water per second of time from groundwater

through the Big Sioux Wells C-1 & C-2, the point (s) of diversion which

~~is~~ (are) to be located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$

of Section 9, Twp. 105N, Range 51W. Said water to be used for purpose of providing ~~irrigation on portions of the following described land:~~

supplies for rural water system use

This Application No. 4943-4 will be considered by the Water Management Board at Joe Foss Bldg, Room 216, 523 E Capitol, Pierre SD upon the 24th day of February, 1983

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

For the Water Management Board

cc: applicant
WNR-806-2/82

~~XXXXXXXXXX~~ Water Rights Specialist
BURTON F JONES

No. 4943-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Lake) ss.

I, Merrill D. Hunter hereby

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

Water was taken from the Madison Daily Leader

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 Madison

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

Monday, January 31, 1983

Monday, February 7, 1983

Merrill D. Hunter
(Signature)

Publisher
(Title)

2/8/83

(Date Signed)

Mon., Jan. 31, Feb. 7, 1983

NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER

Pierre, S.D. 57501
January 27, 1983

Notice is hereby given that Big Sioux Community Water System whose post office address is RR No. 1, Box 46, Dell Rapids, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9; 46-1-12 thru 46-1-14; 46-2-9 thru 46-2-11; 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22; 46-5-25; 46-5-41; 46-6-3 thru 46-6-5; 46-6-6.1; 46-6-10; 46-6-13; 46-6-14 and Board Rules ARS 74:02:01:01 thru 74:02:01:15, for a permit to appropriate for beneficial use 0.50 cubic feet of water per second of time from groundwater through the Big Sioux Wells C-1 & C-2, the point of diversion which are to be located in the NW 1/4 NW 1/4 of Section 9, Twp. 105N, Range 51W. Said water to be used for purposes of providing supplies for rural water system use.

This Application No. 4943-4 will be considered by the Water Management Board at Joe Foss Bldg., Room 216, 524 E. Capitol, Pierre, SD, upon the 24th day of February, 1983, at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

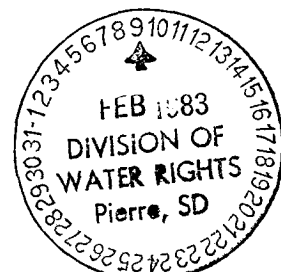
Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWR, Joe Foss Building, Pierre, SD, prior to the hearing date for assistance to assure access to the hearing.

For the Water Management Board
BURTON F. JONES
Water Rights Specialist

cc: applicant
WNR-808-27/82

54

Cost of Printing: \$24.10



Report on Application No. 4943-3
Big Sioux Community Water System
February 4, 1983

The Water Rights Staff recommends that Application No. 4943-3, Big Sioux Community Water System, be approved.

The applicant claims 0.50 cfs of water from 2-46 ft. deep wells in Lake County for rural water system use. The proposed water source is the North Skunk Creek Aquifer.

Water use data for the North Skunk Creek management unit indicates that an average of 1,000 acre-feet of water is pumped from the aquifer each year. Based on the SDGS estimate of 72,400 acre-feet of recoverable storage in the aquifer, approximately 1.4% of the recoverable water is used annually. Hydrographs of three Water Rights Observation Wells in the area do not indicate that current water use is depleting the water stored in the aquifer, or that the proposed wells will cause interference problems with existing wells.

The staff's opinion is that Application No. 4943-3, Big Sioux Community Water System, is in the public interest, that unappropriated water is available and that the application should be approved.

Frank Smith
Water Resources Engineer

C20701fs.wr

DeWild Grant Reckert & Associates Co.

Architecture Engineering Planning

315 First Avenue
Rock Rapids, IA 51246
Telephone 712 472 2531

February 7, 1983

Department of Water and Natural Resources
Water Rights Division
Joe Foss Building
Pierre, South Dakota 57501

Attention: Burton Jones

Re: Big Sioux Community Water System
DGR File No. 3311



Dear Burton:

This is in response to your request for information on the necessity for Big Sioux Community Water System to have an appropriation for groundwater withdrawal from the upper Lake Madison-Skunk Creek aquifer near Chester.

When Phase III of the Kingbrook Rural Water System, including their Chester wells and water plant, was under construction in the summer of 1980, the Big Sioux system was experiencing critical shortages of water in its Wentworth Service Area (see Figure 1, enclosed). Because of the proximity of the Kingbrook main transmission line which runs west from the Chester water plant, Big Sioux received permission from Kingbrook to make tie-ins to its Wentworth Service Area distribution lines and to take water as needed to meet peak demands. At the same time, Kingbrook was adding many new members as construction progressed and the average usage on the Kingbrook system was increasing dramatically.

The Kingbrook system no longer feels it can support the added demands imposed by the Big Sioux connections and has notified Big Sioux that it will terminate water sales when the current contract expires in 1984. In the three years since Big Sioux began purchasing water from Kingbrook, Big Sioux has added new members in the Wentworth Service Area and the per member consumption has risen. At the same time, the amount of water which Big Sioux can deliver to its Wentworth Reservoir on peak demand days has decreased because of heavy system demands along the 20-mile pipeline route from the well field near Egan.

February 7, 1983
Department of Water & Natural Resources
Page Two

The rapid growth of the two rural water system has thus created a serious water supply problem for Big Sioux which can most effectively be remedied with the development of the new supply source for which a water appropriation application has been filed. A great deal of information on this project has been compiled and submitted to the Department of Water and Natural Resources to support State loan and CDBG program applications. Bob Hartford has the CDBG application and Fred Baatz has the loan application, should you require additional information.

Please call me if you have any further questions regarding the water appropriation application. I have instructed Jim Lacey to mail you a signed driller's log, as per your request.

Very truly yours,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY



Gary Patton, P.E.

GP:kld

cc: Leonard Heinemann



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

February 17, 1983

Gary Patton
DeWild, Grant & Reckert
315 First Ave
Rock Rapids IA 51246

RE: Application No. 4943-3 Big Sioux Community Water System

Mr. Patton:

Enclosed please find a report by Mr. Frank Smith, DWNR, Division of Water Rights, concerning application No. 4943-3. As stated in the report unappropriated water is available and the staff recommends approval of the application.

You asked "whether application No. 4943-3, if approved, will have an adverse affect on the potential for the owners of the adjacent 80 acres to obtain a water permit for irrigation?".

Presently there is no application on record for the 80 acres in question. Without an application pending the owners of the 80 acres have no rights for irrigation on the lands. South Dakota statutes make no provisions for reservations of waters by private parties in anticipation of future private development. Further SDCL 46-5-7 (first in time, first in right) would make speculation on receiving a water permit on the 80 acres impossible in that we would not know whether other applications for surrounding lands would be received before an application on the 80 acres.

An application on the 80 acres, in question, would have to be approved, deferred or denied based on prior rights, information submitted and information available from Water Rights records.

Until an application is received, we cannot speculate on whether a recommendation to approve or deny would be made because of the vast number of variables involved and the unknown intent of the future applicant.

Sincerely,

A handwritten signature in dark ink, appearing to read "Gale N. Selken".

GALE N SELKEN
Hydrologist

GNS:ks

enclosure



Department of Water & Natural Resources

Joe Foss Building
Pierre, South Dakota 57501

Water Rights Division

(605) 773-3352

March 9, 1983

Big Sioux Community Water System
Rural Route #1, Box 46
Dell Rapids, South Dakota 57022

Dear Sir:

Enclosed herewith is your Water Right Permit No. 4943-3 as approved by the Water Management Board authorizing you to construct your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said Water Right Permit No. 4943-3.

Also enclosed is FORM 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Water Management Board when you have completed the system and/or have put the water to beneficial use. The Board can then schedule an inspection so that your Certificate of Construction and/or Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in cursive script, reading "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ms

enclosure

DeWild Grant Reckert & Associates Co.

Architecture Engineering Planning

315 First Avenue
Rock Rapids, IA 51246
Telephone 712 472 2531

July 13, 1983

South Dakota Department of Water and Natural Resources
Office of Water Quality
Joe Foss Building
Pierre, SD 57501

Re: Water Quality - Environmental Review
Big Sioux Community Water System, Inc.

Dear Sir:

Lake County, South Dakota has been awarded State CDBG funds from the South Dakota Department of Water and Natural Resources on behalf of Big Sioux Community Water System, Inc. The funds awarded are to be used to undertake the following project.

On June 14, 1984 the existing Big Sioux Water System will lose approximately one half of its system's water supply in the Wentworth service area when the agreement for water purchase with Kingbrook Rural Water System expires without renewal. The construction of a new well field near Chester, water treatment plant, storage reservoir and pipeline tie-ins are proposed to meet this need.

Water drawn from the shallow wells near Brant Lake will require treatment for iron and manganese removal. System demand needs are not expected to exceed 100 gpm initially with pump capacity to provide 200 gpm in the future.

The enclosed map will assist you in locating the project area.

In order to complete the Environmental Review Record we are requesting your review of the project with respect to water quality. We would greatly appreciate your response by August 8, 1983.

Thank you for your assistance.

Respectfully,

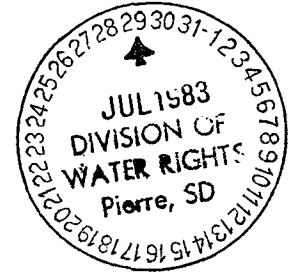
DEWILD GRANT RECKERT & ASSOC. CO.



David P. Kunath

DPK:jkv
Enclosure
cc: Leonard Heinemann,
Manager

MEMORANDUM



TO: Merlin J. Tipton, State Geologist
Mark Steichen, Administrator, Office of Drinking Water
✓ John Hatch, Director, Division of Water Rights
Bill Markley, Section Chief, 208 Program

FROM: Terrence G. Keller, Natural Resource Engineer III
Office of Water Quality 

DATE: July 28, 1983

RE: HUD (CDBG-SD83-13) Big Sioux Community Water System

This Office hereby requests your comments on the above project consisting of the construction of a new well field near Chester, water treatment plant, storage reservoir and pipeline tie-ins. Information you may need includes:

- 1) Water use - drinking and normal domestic;
- 2) Depth - 46 feet;
- 3) Projected capacity - 200 gallons per minute (1 well);
- 4) Possible driller - Lacy's;
- 5) Well construction - 10" stainless steel casing;
- 6) Legal description - N 200' of the W 400' of the NW Quarter of Section 105.51.

Your prompt attention will be appreciated in this matter. Thank you.

M E M O

TO: Terrence G Keller, Natural Resources Engineer III
Office of Water Quality

FROM: Kevin Larson, Natural Resources Engineer III
Division of Water Rights

SUBJECT: Comments on HUD (CDBG-SD83-13) Big Sioux Community
Water System

DATE: August 1, 1983

Permit Application No. 494333 submitted by Big Sioux Community Water System was approved February 24, 1983 for 0.5 cfs from two 46 foot deep wells. The wells to be located in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 9, T105N, R51W. If you have any further questions please contact this office. Enclosed find a copy of the staff report on permit application No. 4943-3.

KL:ks

enclosure

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office 1457 E 6th St
Brookings, S. Dak 57006
Date 6-19-85TO: Water Rights
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No. 4943-3.

Water Right Permit No. 4943-3 states that the diversion system is to be constructed by Feb, 1988, and that the water is put to beneficial use by Nov, 1984.

The diversion system was completed on Nov, 1984. Applying the water to beneficial use was completed on Nov, 1984.

You may schedule an inspection so that ~~the Certificate of Construction and/or~~ the Water License may be issued, thus completing my acquisition of a water right.

Leonard Heremans
(Signature)
Operations Manager, Big Sioux Fuel Water

Permit No. 4943-3
Big Sioux River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **June 12, 1996**, made a thorough examination of the water use system constructed by **the Big Sioux Community Water Corporation of Box 158, Egan SD 57024** holder of Permit No. **4943-3**, bearing the priority of **January 26, 1983** authorizing the diversion of **0.50** cu. ft. per second of the waters of **the North Skunk Creek Aquifer** for **rural water** purposes, in **Lake** County.

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

A. Works used to divert the water:

Motor/Pump:

- 1) Make **Franklin submersible**
- 2) Capacity **200** GPM
- 3) Horsepower rating **7.5** hp

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

Water is treated on-site in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ section 9-T105N-R51W and then distributed to customers via the rural water pipeline.

The system is in the following condition **good**. The point of diversion is located **Well: 50 feet S and 80 feet E (NW $\frac{1}{4}$ NW $\frac{1}{4}$) from the NW corner of section 9-T105N-R51W.** The works are capable of diverting and conveying to the place of use **0.44** cu. ft. per second of water which is to be used for **rural water purposes**.

Applicable permit qualifications have been complied with: Yes **X** No

Exceptions to compliance are: **none** Date report completed: **October 3, 1996**



Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR PERMIT NO. 4943-3

DATE OF INVESTIGATION:	June 12, 1996
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Martin Jarrett, Manager
NAME & ADDRESS OF PERMIT HOLDER	Big Sioux Community Water Corp. Box 158 Egan SD 57024
DIVERSION POINT LEGAL LOCATION	Well: 50 feet S and 80 feet E (NW$\frac{1}{4}$NW$\frac{1}{4}$) from the NW corner of section 9-T105N-R51W

Other permit(s) associated with the project: **none**

WELL INFORMATION:

- 1) Well Drilling Firm: **Lacey Well Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **45** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **12** inches
- 2) Type **steel**

Screen:

- 1) Type **stainless steel**

Motor/Pump:

- 1) Make **Franklin submersible**
- 2) Capacity **200** GPM
- 3) Horsepower rating **7.5** hp

DISTRIBUTION LINES OR CANALS:

Water is treated on-site in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ section 9-T105N-R51W and then distributed to customers via the rural water pipeline.

PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by **Y**
- 2) All structures, wells and lands on map **Y**



1664

1677

1707

32

1642

33

34

Round Lake

NORTHERN

1616

N

1" = 1,650'

RAILROAD GRADE

1627

well →

BRANT LAKE

10

Don J. J. J.

Natural Resources Engineer

10/3/96

T105N-R51W

1612

1614

1625

Creek

Creek

Water Permit No. 4943-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 26, 1997

2054-3

4943-3

5720A-3

5962-3

5963-3

Big Sioux Community Water Corp.
Martin Jarrett, Manager
P.O. Box 158
Egan, SD 57024

Dear Mr. Jarrett:

The investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit Nos. 2054-3, 4943-3, 5720A-3, 5962-3 and 5963-3, have been completed. Your final water right documents, the Water Licenses, can now be issued. Upon licensing, the applicable portions of Water Permit No. 5720-3 will be incorporated into 5720A-3.

Statutes require that we charge a \$50.00 fee per license for the investigation and issuance of the Water License. Upon receipt of the \$50.00 fee per license (\$250.00 total) from you, we will begin processing your Water Licenses.

Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit numbers. This will insure proper handling of the fee.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 11, 1997

Martin Jarrett, Manager
Big Sioux Community Water Corp.
PO Box 158
Egan SD 57024

Dear Martin:

I am writing in response to our conversation on September 10, 1997, concerning the amount of the fees for licensing your water permits.

Two or more permits may, under certain conditions, be combined into one water license. This occurs when the permits involve diversion works that are included on each of the permits. For example, the rural water system holds Permit Nos. 5720-3 and 5720A-3 which both concern well No. 5. These two permits will be incorporated into one license and subsequently only one license fee of \$50.00 is needed. Your other permits all involve separate wells which is the reason for issuing separate licenses for the following permits.

- Permit No. 2054-3 covers well Nos. 1 and 2 (Nos. 3 and 4 were developed after the construction period)
- Permit No. 5962-3 covers well No. 3
- Permit No. 5963-3 covers well No. 4
- Permit No. 4943-3 covers the well located in Lake county.

Well Nos. 3 and 4 were not included on the same permit because one well places water to use reserved under a future use permit while the other well is located outside of the future use area.
--

Therefore, the total fee for the five licenses is \$250.00. However, based on our conversation about moving well No. 5, you may want to wait with licensing Nos. 5720-3 and 5720A-3. Permit No. 5720-3 was approved for use of 1.10 cfs (495 gpm) with an annual volume of 478 acre-feet. If licensed now, the diversion rate will be reduced to the current pump capacity of 0.31 cfs (140 gpm) with an annual volume limit of 150 acre-feet. Therefore, if a well relocation is approved and the relocated well produces more than 0.31 cfs (150 acre-feet annually), it would be advantageous to wait and license the permit for the greater diversion rate and volume. The time period to place water to beneficial use under No. 5720-3 does not expire until March 3, 2002.

Please let me know how you want to proceed. If you have any questions concerning this letter or any other issues, I can be reached at 605 773-3352. I will try to assist in any way possible.

Sincerely,

Ron Duvall
Natural Resources Engineer
Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOV 12 1997

2054-3
4943-3
5962-3
5963-3

Big Sioux Community Water system, Inc.
%Martin Jarrett, Manager
P.O. Box 158
Egan, SD 57024-0158

Dear Mr. Jarrett:

Enclosed are Water License Nos. 2054-3, 4943-3, 5962-3 and 5963-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 415492, 415493, 415494 and 415495 in the amount of \$50.00 each which you paid for the investigation and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 2054-3, 4943-3, 5962-3 and 5963-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Very truly yours,

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

gm
enclosures

RECEIPT

Division of Water Rights

415493

South Dakota Department of Environment and Natural Resources

Pierre, _____ October 17, 19 97

RECEIVED OF Big Sioux Community Water, Inc., P.O. Box 158, Egan, SD 57024-0158

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
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>4943-3</u>		50 00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By John Hatch
Chief Engineer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4943-3

(1) The Big Sioux Community Water System, Inc., PO Box 158, Egan, SD 57024-0158 made Application No. 4943-3, January 26, 1983 for a water permit to divert 0.50 cubic feet of water per second from ground water (two wells), Lake County, South Dakota for rural water system purposes. Permit No. 4943-3, with a priority date of January 26, 1983 was approved February 24, 1983 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 24, 1988 and for the application to beneficial use of said water on or before February 24, 1992.

(2) It is certified that the applicant 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 0.44 cubic feet of water per second for beneficial use. The location of the diversion point is 50'S and 80'E of the NW corner of Section 9, T105N, R51W (NW¼ NW¼).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use. Water is treated at the treatment plant in the NW¼NW¼NW¼ Section 9, T105N, R51W and then distributed via a pipeline to customers in Lake County.

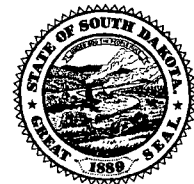
(4) Pursuant to South Dakota Water Law 46-5-30.1 the Big Sioux Community Water System, Inc., PO Box 158, Egan, SD 57024-0158 the holder and/or owner of Water Permit No. 4943-3 is issued a license to appropriate water, the right to use 0.44 cubic feet of water per second from ground water (one well) with a priority date of January 26, 1983 from the location specified in (2) of this license, for rural water system purposes. This license is subject to any limitations or qualifications listed in Water Permit No. 4943-3 and subject to South Dakota State Law.

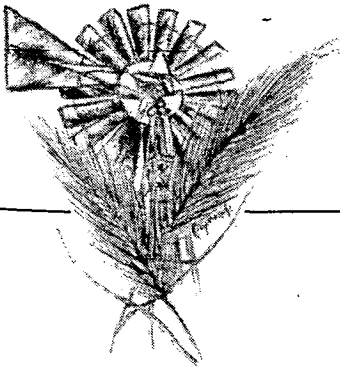


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 12 1997

date





Big Sioux

Community Water System, Inc.

BOX 158 • EGAN, SOUTH DAKOTA 57024 • (605) 997-2098

Eric Gronland
Water Rights Program
DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

RECEIVED

MAY 29 2002

WATER RIGHTS
PROGRAM

5/10/02

Dear Eric,

Following our conversation on 5/8/02, I have put together some requests and updates to our water rights permits. All these changes are a matter of adding additional diversion points (wells) and do not request an increase in total gallonage. As this is the case these requests should be able to be authorized under SDCL-46-5-13.1.

BRANT WELLFIELD

In late 1999, in preparation for the Dakota Ethanol plant at Wentworth, Lake County, we applied for and received additional water rights (permit # 6152-3) for the addition of one well (.5 cfs). This was in addition to previous water permit #4943-3 (issued Feb. 1983) for a diversion of .44 cfs.

In the spring of 2001, drilling commenced for the project, well 2 (6152-3) was completed, and well 1 (4943-3) was refurbished. Unfortunately the capacity of well 1 (probably due to age) was not as hoped, and on the request of Dakota Ethanol, a replacement well (well 3) was constructed some 600 feet south of well 1 (Exhibit 1).

Well 2 and well 3 have been running since September 2001. At first we planned to abandon well #1, but have since found it prudent to use well 1 as a mechanical backup for the other two. It is my understanding that if we had just used well #3 as a replacement for #1 we would not have had to report this, but as we have now decided to keep #1 as a backup, #3 now has to be reported as an additional diversion. Under Permit #6152-3 it appears we have until Nov. 2004 to complete all construction activity.

Since September of 2001 approximately 335 acre feet have been diverted from these two wells. These wells were located fairly close together due to 3-phase availability and land ownership constraints. Since this time, Big Sioux Community Water system has managed to procure additional land and because of concerns as to the long term capacity of the aquifer in the direct vicinity of our present wells, would like to add an additional diversion point and mechanical backup to well 2. This proposed well site (see Exhibit 1) lies approximately 2000 feet to the southeast of well 2, will be approximately 50-75 feet deep and drawing from the same aquifer. Because of the nature of this aquifer, the required flow (.5 ccf) may necessitate the flow from up to two wells, though will not be known for certain until test pumping is completed.

EGAN WELLFIELD

At our Egan, Moody County, wellfield we would like to add another diversion point (backup well) to be located in the north-west of the south-east quarter section (see Figure 1), approximately 1800 feet west of well 1. This proposed well will be approximately 40 feet deep and draw from the same aquifer. This well will be sized at the same flow as well #6 (320 gpm), but will not add any additional annual withdrawals over and above the 1,491 acre feet already permitted.

All of the above requests pertain to adding added reliability to the system to better serve our customers. In both cases we are trying to spread out the impact on the aquifer., and better manage the resource.

If you have any questions concerning these matters please contact me at the above address,

Sincerely,


Martin Jarrett
Manager

FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only) No. _____ Hydrologic Unit _____
	Basin _____
	Newspaper _____

RECEIVED
MAY 29 2002
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Suburban Housing	☐ Recreational	☐ Institutional
☒ Rural Water System	☐ Commercial	☐ Fish & Wildlife	☐ Geothermal Heat
☐ Domestic (over 18 gpm)	☐ Industrial	☐ Other _____	

Type of Application: ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation

(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____

☒ Amendment/Correction to Permit No. 4943-3

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) Addition of
diversion point (mechanical backup) to original well, 600 feet south. Authorized under
SDCL-46-5-13.1 Well designed to pump 300 gpm.

- Name of Applicant Big Sioux Community Water system Inc. Phone (605) 997-2098
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address PO Box 158, Egan State South Dakota 57024
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0 *CFS or **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply Skunk Creek Aquifer, Lake County.
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well in the NW 1/4 NW 1/4
Section 9, Township 105 North, Range 51 West, Lake County, South Dakota
County _____
- County or counties where water will be used Lake
- Annual period during which water is to be used January 1st - December 31st.
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

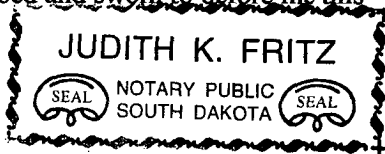
STATE OF SOUTH DAKOTA)
County of Moody SS

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

I, Martin Jarrett, Manager, 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 Martin Jarrett

Subscribed and sworn to before me this 14th day of May 20 02



Judith K. Fritz
Exp. May 10, 2003

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 20" Depth 50'
- b) Casing Type Steel Diameter 12" Thickness .375"
- c) Screen Type Stainless Steel Diameter 12" Thickness Length 8 feet
- d) Gravel Pack 6" Length of Gravel Pack 12 feet
- e) Depth to Top of Water Bearing Material 5 feet
- f) Depth to Water (ground surface to water level) 12 feet
- g) Distance to nearest existing domestic well:
- On applicants property 600 feet On property owned by others 1000 feet

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

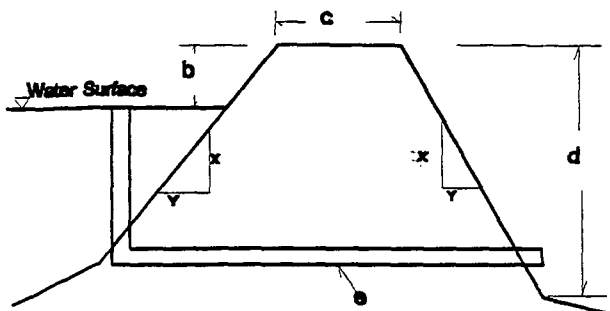
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



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

FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only) No. _____ Hydrologic Unit _____
	Basin _____
	Newspaper _____

RECEIVED
MAY 29 2002
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Suburban Housing	☐ Recreational	☐ Institutional
☒ Rural Water System	☐ Commercial	☐ Fish & Wildlife	☐ Geothermal Heat
☐ Domestic (over 18 gpm)	☐ Industrial	☐ Other _____	

Type of Application: ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☒ Amendment/Correction to Permit No. 4943-3

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) Addition of
diversion point (mechanical backup) to original well, 600 feet south. Authorized under
SDCL-46-5-13.1 Well designed to pump 300 gpm.

- Name of Applicant Big Sioux Community Water system Inc. Phone (605) 997-2098
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address PO Box 158, Egan State South Dakota 57024
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0 *CFS or **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Skunk Creek Aquifer, Lake County.
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well in the NW 1/4 NW 1/4
Section 9, Township 105 North, Range 51 West, Lake County, South Dakota
County _____
- County or counties where water will be used Lake
- Annual period during which water is to be used January 1st - December 31st.
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

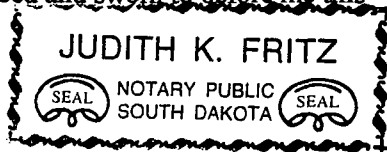
STATE OF SOUTH DAKOTA) SS.
County of Moody

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

I, Martin Jarrett, Manager, 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 _____

Subscribed and sworn to before me this 14th day of May 20 02



Judith K. Fritz
Exp. May 10, 2003

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 20" Depth 50'
- b) Casing Type Steel Diameter 12" Thickness .375"
- c) Screen Type Stainless Steel Diameter 12" Thickness 1/8" Length 8 feet
- d) Gravel Pack 6" Length of Gravel Pack 12 feet
- e) Depth to Top of Water Bearing Material 5 feet
- f) Depth to Water (ground surface to water level) 12 feet
- g) Distance to nearest existing domestic well:
- On applicants property 600 feet On property owned by others 1000 feet

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

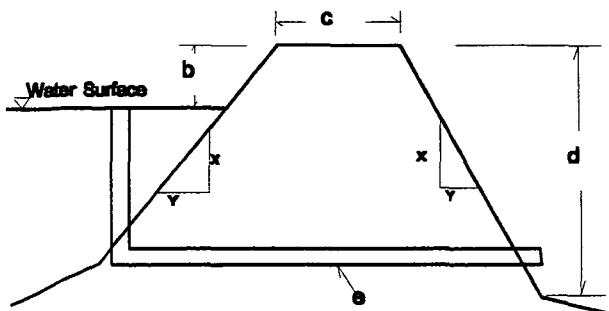
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

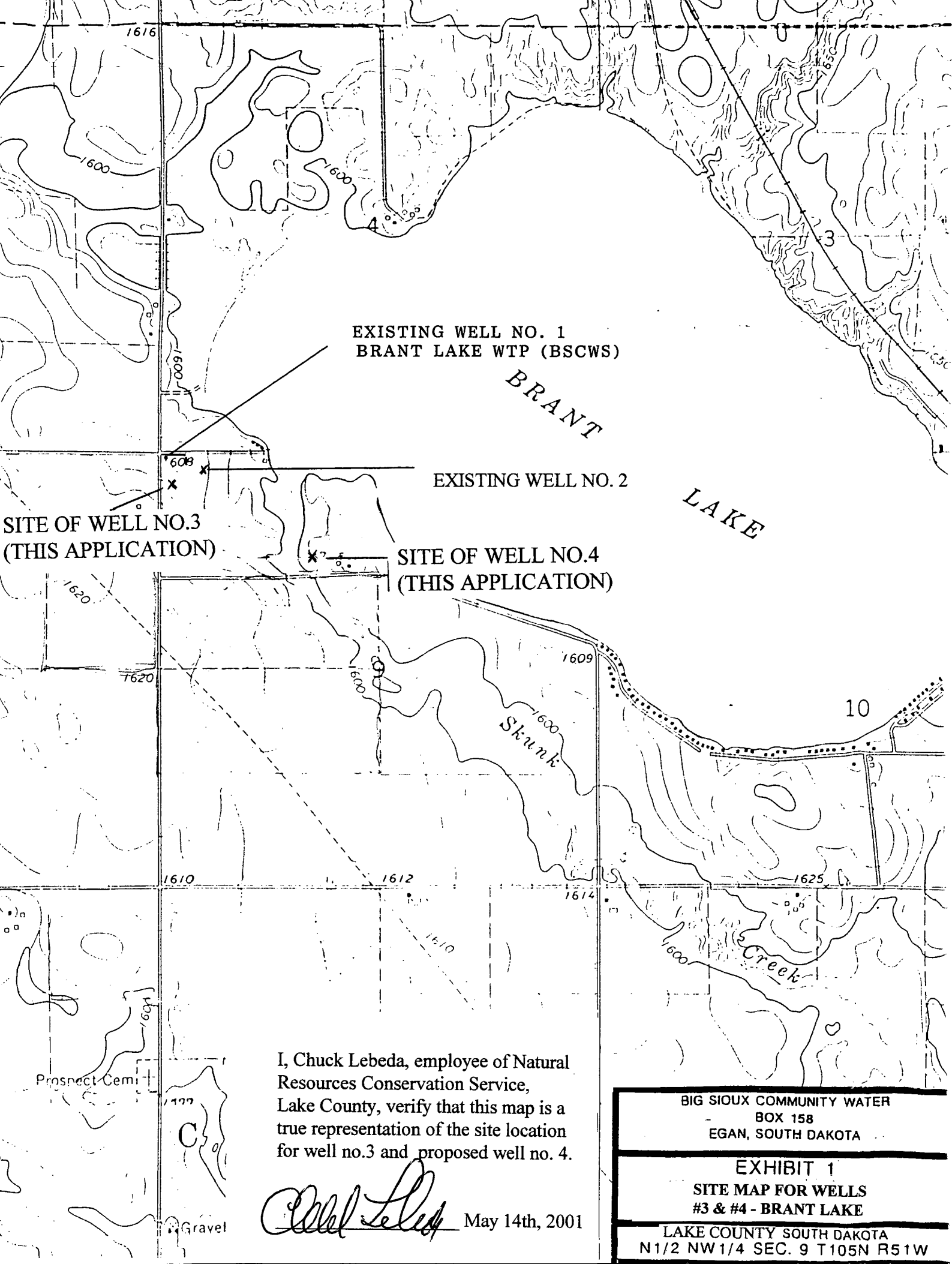
4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:
- _____
- _____



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



EXISTING WELL NO. 1
BRANT LAKE WTP (BSCWS)

BRANT
LAKE

EXISTING WELL NO. 2

SITE OF WELL NO.3
(THIS APPLICATION)

SITE OF WELL NO.4
(THIS APPLICATION)

Skunk
Creek

10

Prospect Cem

C

Gravel

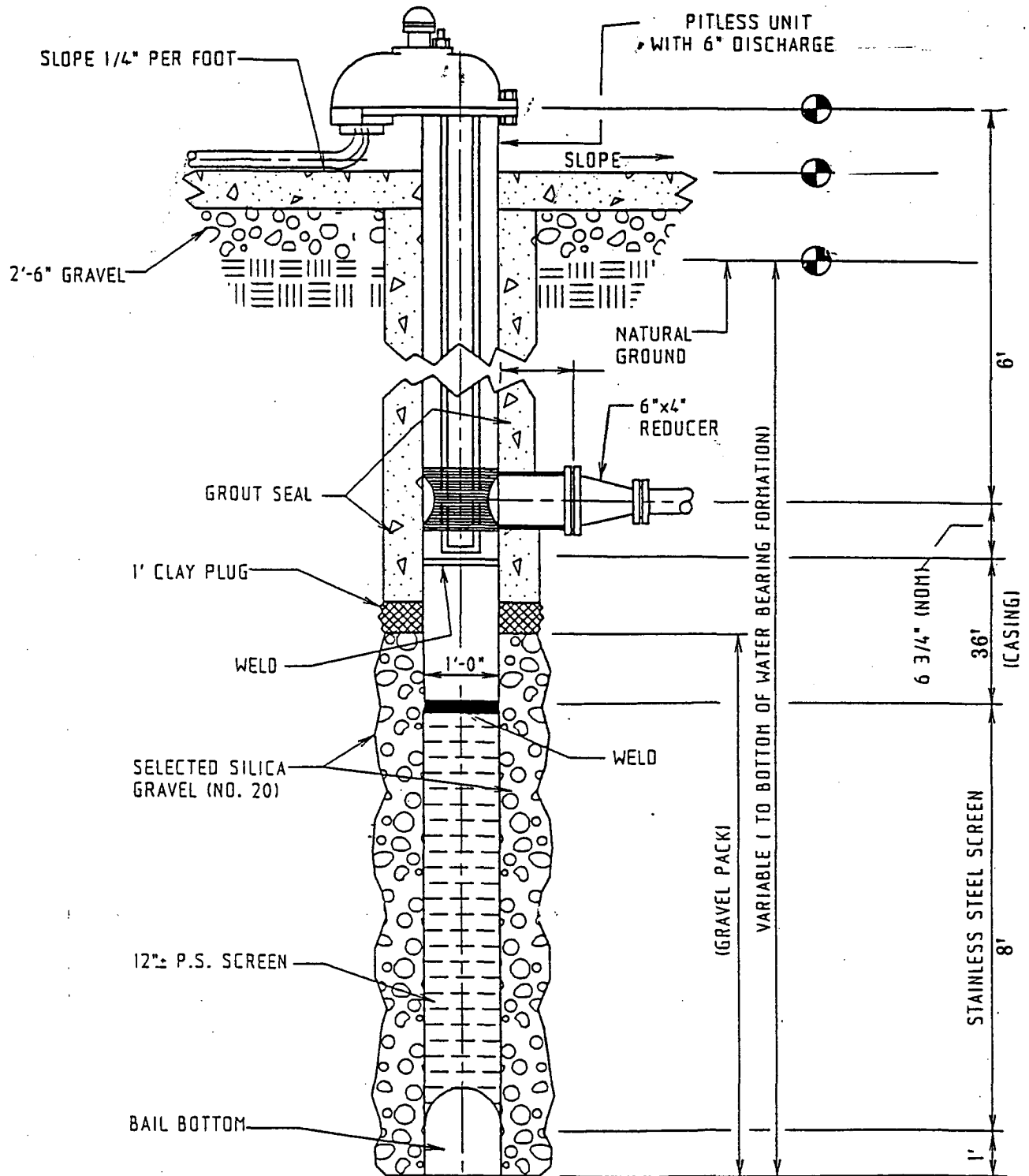
I, Chuck Lebeda, employee of Natural
Resources Conservation Service,
Lake County, verify that this map is a
true representation of the site location
for well no.3 and proposed well no. 4.

May 14th, 2001

BIG SIOUX COMMUNITY WATER
BOX 158
EGAN, SOUTH DAKOTA

EXHIBIT 1
SITE MAP FOR WELLS
#3 & #4 - BRANT LAKE

LAKE COUNTY SOUTH DAKOTA
N1/2 NW1/4 SEC. 9 T105N R51W



NOTES

1. SET PUMP INLET AT 2' FROM TOP OF SCREEN.

Big Sioux Community Water Inc.
Design Well # 3

N1/2 NW1/4 Sec.9 T105N R51W
Lake County

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
WATER RIGHTS PROGRAM

June 6, 2002

RE: Request for additional diversion point for Water Right No. 4943-3, Big Sioux Community Water System, Inc.

Big Sioux Community Water System, Inc. has submitted a request for an additional diversion point for Water Right No. 4943-3. SDCL 46-5-13.1 provides that a point of diversion may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Water Right No. 4943-3 appropriates 0.44 cubic feet of water per second from one well (designated Well No. 1) constructed in the North Skunk Creek management unit of the Big Sioux Aquifer. This well is located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 9, T105N, R51W. This water right has a priority date of January 26, 1983. The rural water system is requesting authorization for an additional well that was constructed approximately 600 feet south of the existing well. No additional appropriation of water is authorized and the well is constructed into the same aquifer. A well completion report accompanied the System's request which shows a well depth of 49 feet.

Martin Jarrett, Manager of the Big Sioux Community Water System, indicates that Well No. 1 was refurbished but that the capacity was not as hoped. For this reason, a new well (designated Well No. 3) was constructed. The System decided that instead of abandoning the original well that it was prudent to maintain it as a back-up well.

As part of the review of this request for the additional diversion point, a review of the well log database maintained by the Water Rights Program and existing water rights located in the sections surrounding Section 9. There are thirteen water rights, excluding those held by the rural water system, that appropriate 17.41 cfs in this vicinity that obtain water from the same aquifer.. There is also a future use permit held by Kingbrook RWS for 425 acre feet of water annually from the aquifer.

The review of domestic well logs on file with the Water Rights Program was also conducted on the sections surrounding Section 9. This search of the database found 5 domestic well completion reports found in a mile proximity. These wells divert relatively small quantities of water. There have been no recent complaints on water availability from the Northern Skunk Creek management unit of the Big Sioux Aquifer.

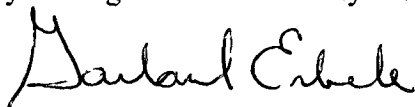
There is an observation well (LK-79A) located in the NW corner of Section 9. Readings from this observation well have been in place since 1979. Generally, water levels range in the 8 to 11 feet below ground level, however, over the period of time water levels have varied from 4 feet to 16.7 feet below ground level.

Big Sioux Community Water System's request proposes no additional appropriation of water. This request is for an existing well that is located approximately 600 feet south of the original well. The new well (No. 3) will be the primary well with older well (No. 1) acting as a mechanical back-up. It is not anticipated that domestic uses or existing prior rights will be adversely impacted by authorizing this additional diversion point.



Eric Gronlund
Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding that the additional diversion point does not increase the potential for interference with existing diversions. In making the finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference. The additional diversion point for Water Right No. 4943-3 is authorized without requiring application or publication of a notice of hearing pursuant to SDCL 46-2A-4. A new water right permit is necessary for any diversions greater than 198 gpm by the Big Sioux Community Water System from the two wells.



Garland Erbele, Chief Engineer
Water Rights Program
June 11, 2002

OBS94A

06/06/2002

Obswell: LK-79A**Location:** 105N 51W 09BBBB**Elevation:**

1,608.00

Aquifer: BS:NSC**Aquifer Type:** A**Total Casi:**

45.0

<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>	<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>	<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>
LK-79A	05/23/1979	-10.4	LK-79A	07/28/1982	-14.2	LK-79A	09/17/1985	-11.2
LK-79A	06/06/1979	-10.3	LK-79A	08/11/1982	-14.5	LK-79A	10/21/1985	-8.6
LK-79A	06/20/1979	-10.5	LK-79A	08/23/1982	-14.2	LK-79A	04/02/1986	-7.8
LK-79A	07/03/1979	-10.4	LK-79A	09/10/1982	-13.5	LK-79A	04/17/1986	-7.4
LK-79A	07/18/1979	-10.2	LK-79A	10/07/1982	-13.0	LK-79A	04/30/1986	-7.2
LK-79A	08/01/1979	-10.1	LK-79A	11/01/1982	-12.5	LK-79A	05/28/1986	-6.5
LK-79A	08/15/1979	-10.1	LK-79A	02/28/1983	-10.4	LK-79A	06/11/1986	-6.5
LK-79A	08/29/1979	-10.0	LK-79A	04/18/1983	-8.9	LK-79A	06/25/1986	-6.1
LK-79A	09/20/1979	-9.9	LK-79A	05/19/1983	-7.5	LK-79A	07/09/1986	-7.0
LK-79A	10/10/1979	-9.8	LK-79A	06/01/1983	-8.7	LK-79A	07/14/1986	-6.9
LK-79A	10/30/1979	-9.9	LK-79A	06/15/1983	-7.5	LK-79A	07/21/1986	-7.7
LK-79A	01/29/1980	-10.1	LK-79A	06/28/1983	-7.5	LK-79A	08/06/1986	-8.1
LK-79A	03/19/1980	-10.0	LK-79A	07/14/1983	-8.2	LK-79A	08/18/1986	-8.0
LK-79A	04/30/1980	-10.0	LK-79A	07/26/1983	-8.6	LK-79A	09/22/1986	-6.2
LK-79A	05/20/1980	-10.1	LK-79A	08/10/1983	-9.4	LK-79A	10/20/1986	-5.7
LK-79A	06/02/1980	-10.2	LK-79A	08/22/1983	-9.9	LK-79A	03/23/1987	-6.7
LK-79A	06/18/1980	-10.0	LK-79A	09/12/1983	-8.8	LK-79A	05/07/1987	-6.8
LK-79A	07/02/1980	-10.1	LK-79A	10/13/1983	-8.3	LK-79A	06/03/1987	-7.3
LK-79A	07/16/1980	-10.2	LK-79A	11/14/1983	-8.4	LK-79A	06/16/1987	-7.4
LK-79A	07/30/1980	-10.3	LK-79A	04/11/1984	-6.9	LK-79A	07/01/1987	-8.7
LK-79A	08/13/1980	-10.4	LK-79A	05/07/1984	-5.9	LK-79A	07/14/1987	-8.4
LK-79A	08/27/1980	-10.6	LK-79A	05/23/1984	-6.4	LK-79A	07/28/1987	-8.9
LK-79A	10/22/1980	-11.1	LK-79A	06/05/1984	-6.1	LK-79A	08/12/1987	-8.9
LK-79A	12/09/1980	-11.2	LK-79A	06/19/1984	-5.0	LK-79A	08/26/1987	-8.3
LK-79A	03/12/1981	-11.6	LK-79A	07/03/1984	-4.2	LK-79A	09/15/1987	-8.0
LK-79A	04/21/1981	-11.5	LK-79A	07/18/1984	-5.2	LK-79A	10/30/1987	-8.1
LK-79A	06/02/1981	-12.2	LK-79A	07/31/1984	-6.4	LK-79A	03/30/1988	-8.2
LK-79A	06/18/1981	-12.3	LK-79A	08/14/1984	-7.4	LK-79A	04/28/1988	-8.6
LK-79A	07/02/1981	-12.8	LK-79A	08/27/1984	-7.4	LK-79A	05/10/1988	-8.6
LK-79A	07/16/1981	-13.9	LK-79A	10/01/1984	-6.8	LK-79A	05/26/1988	-8.7
LK-79A	07/28/1981	-14.3	LK-79A	11/07/1984	-6.3	LK-79A	06/07/1988	-9.6
LK-79A	08/12/1981	-14.8	LK-79A	04/03/1985	-6.4	LK-79A	06/23/1988	-12.6
LK-79A	08/30/1981	-14.1	LK-79A	04/27/1985	-6.5	LK-79A	07/05/1988	-11.4
LK-79A	09/28/1981	-13.4	LK-79A	05/20/1985	-6.9	LK-79A	07/21/1988	-12.1
LK-79A	11/23/1981	-13.2	LK-79A	06/03/1985	-8.9	LK-79A	08/05/1988	-14.0
LK-79A	02/20/1982	-13.6	LK-79A	06/17/1985	-8.9	LK-79A	08/17/1988	-12.0
LK-79A	05/03/1982	-12.9	LK-79A	07/01/1985	-9.4	LK-79A	08/31/1988	-11.3
LK-79A	06/02/1982	-12.8	LK-79A	07/15/1985	-11.1	LK-79A	09/15/1988	-11.0
LK-79A	06/17/1982	-12.9	LK-79A	07/30/1985	-9.8	LK-79A	09/29/1988	-10.9
LK-79A	06/30/1982	-13.8	LK-79A	08/13/1985	-9.9	LK-79A	10/20/1988	-10.8
LK-79A	07/15/1982	-14.0	LK-79A	08/20/1985	-9.3	LK-79A	04/03/1989	-10.3

Obswell: LK-79A**Location: 105N 51W 09BBBB****Elevation: 1,608.00 Aquifer: BS:NSC Aquifer Type: A****Total Casi: 45.0**

<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>	<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>	<u>Obswell</u>	<u>WI Date</u>	<u>Reading</u>
LK-79A	05/11/1989	-10.4	LK-79A	05/20/1993	-7.3	LK-79A	10/21/1997	-8.2
LK-79A	05/23/1989	-12.7	LK-79A	06/03/1993	-7.2	LK-79A	05/12/1998	-8.0
LK-79A	06/05/1989	-12.7	LK-79A	06/17/1993	-7.2	LK-79A	05/27/1998	-8.2
LK-79A	06/20/1989	-11.7	LK-79A	06/30/1993	-5.7	LK-79A	06/09/1998	-8.3
LK-79A	07/05/1989	-14.3	LK-79A	07/13/1993	-4.0	LK-79A	06/23/1998	-8.3
LK-79A	07/18/1989	-12.5	LK-79A	07/28/1993	-4.2	LK-79A	07/07/1998	-8.2
LK-79A	07/31/1989	-13.6	LK-79A	08/10/1993	-6.7	LK-79A	07/21/1998	-8.8
LK-79A	08/15/1989	-13.6	LK-79A	08/11/1993	-4.6	LK-79A	08/04/1998	-8.7
LK-79A	09/18/1989	-13.0	LK-79A	08/23/1993	-7.1	LK-79A	08/18/1998	-8.6
LK-79A	02/27/1990	-12.6	LK-79A	09/23/1993	-5.4	LK-79A	09/16/1998	-8.7
LK-79A	04/12/1990	-12.6	LK-79A	11/04/1993	-5.7	LK-79A	03/31/1999	-7.9
LK-79A	05/21/1990	-12.8	LK-79A	03/31/1994	-6.5	LK-79A	05/18/1999	-7.2
LK-79A	06/07/1990	-12.5	LK-79A	05/19/1994	-7.2	LK-79A	06/08/1999	-7.0
LK-79A	06/18/1990	-12.4	LK-79A	06/02/1994	-7.4	LK-79A	06/22/1999	-6.9
LK-79A	07/03/1990	-11.7	LK-79A	06/13/1994	-7.3	LK-79A	07/07/1999	-7.0
LK-79A	07/16/1990	-11.5	LK-79A	06/27/1994	-7.6	LK-79A	08/03/1999	-7.6
LK-79A	07/31/1990	-11.2	LK-79A	07/14/1994	-8.4	LK-79A	09/03/1999	-8.0
LK-79A	08/16/1990	-15.2	LK-79A	07/28/1994	-11.7	LK-79A	03/23/2000	-8.9
LK-79A	08/28/1990	-12.1	LK-79A	08/10/1994	-11.6	LK-79A	06/08/2000	-8.4
LK-79A	09/14/1990	-12.3	LK-79A	08/23/1994	-9.0	LK-79A	07/05/2000	-8.6
LK-79A	10/26/1990	-11.4	LK-79A	09/16/1994	-9.2	LK-79A	07/19/2000	-8.7
LK-79A	04/05/1991	-11.3	LK-79A	03/16/1995	-8.4	LK-79A	08/07/2000	-9.5
LK-79A	05/14/1991	-11.5	LK-79A	06/07/1995	-8.8	LK-79A	09/13/2000	-9.4
LK-79A	05/29/1991	-11.5	LK-79A	07/20/1995	-8.8	LK-79A	10/18/2000	-9.3
LK-79A	06/10/1991	-11.6	LK-79A	09/13/1995	-9.6	LK-79A	04/26/2001	-7.4
LK-79A	06/24/1991	-11.6	LK-79A	10/04/1995	-7.1	LK-79A	05/22/2001	-7.1
LK-79A	07/08/1991	-13.1	LK-79A	11/17/1995	-6.9	LK-79A	06/06/2001	-7.3
LK-79A	07/22/1991	-13.8	LK-79A	03/19/1996	-7.8	LK-79A	06/18/2001	-7.1
LK-79A	08/05/1991	-15.8	LK-79A	05/02/1996	-7.9	LK-79A	07/04/2001	-7.1
LK-79A	08/20/1991	-13.6	LK-79A	07/30/1996	-10.3	LK-79A	07/17/2001	-7.7
LK-79A	09/06/1991	-13.5	LK-79A	08/13/1996	-9.5	LK-79A	07/31/2001	-7.7
LK-79A	09/27/1991	-12.7	LK-79A	05/29/1996	-8.0	LK-79A	09/06/2001	-9.5
LK-79A	11/15/1991	-12.2	LK-79A	06/11/1996	-10.5	LK-79A	09/19/2001	-10.7
LK-79A	03/05/1992	-11.4	LK-79A	07/02/1996	-10.4	LK-79A	10/02/2001	-13.4
LK-79A	04/16/1992	-11.1	LK-79A	07/17/1996	-9.4	LK-79A	10/17/2001	-11.6
LK-79A	05/28/1992	-13.9	LK-79A	09/18/1996	-9.3	LK-79A	10/29/2001	-11.9
LK-79A	06/10/1992	-11.4	LK-79A	10/23/1996	-8.8	LK-79A	11/14/2001	-16.1
LK-79A	06/26/1992	-11.5	LK-79A	05/14/1997	-8.5	LK-79A	04/11/2002	-16.7
LK-79A	07/08/1992	-13.6	LK-79A	05/28/1997	-6.5	LK-79A	05/24/2002	-15.6
LK-79A	07/23/1992	-10.6	LK-79A	06/10/1997	-7.1			
LK-79A	08/05/1992	-12.8	LK-79A	07/03/1997	-7.4			
LK-79A	08/19/1992	-9.0	LK-79A	07/15/1997	-9.6			
LK-79A	10/01/1992	-11.2	LK-79A	07/30/1997	-8.0			
LK-79A	12/08/1992	-8.4	LK-79A	08/11/1997	-8.5			
LK-79A	04/13/1993	-7.7	LK-79A	08/25/1997	-8.9			



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 12, 2002

Martin Jarrett, Manager
Big Sioux Community Water System, Inc.
Box 158
Egan SD 57024

Dear Mr. Jarrett:

I am writing in regard to the Big Sioux Community Water System's request for additional diversion points under Water Right No. 4943-3 and Water Permit Nos. 6152-3 and 6223-3.

Specifically, Big Sioux Community Water System has requested the following:

Water Right No. 4943-3 appropriates 0.44 cfs from one well (designated Well No. 1) constructed into the North Skunk Creek management Unit of the Big Sioux Aquifer. The request is to authorize an additional well (Well No. 3) which is located approximately 600 feet south of the existing well. The new well will be the primary well while Well No. 1 will be maintained for backup purposes.

Water Permit No. 6152-3 appropriates 0.5 cfs from one well (designated Well No. 2) constructed into the North Skunk Creek management Unit of the Big Sioux Aquifer. The System requests authorization to construct up to two additional wells in order to obtain the 0.50 cfs authorized by Permit No. 6152-3 and to act as a backup to the existing well.

Water Permit No. 6223-3 appropriates 0.74 cfs from one well constructed into the Moody management unit of the Big Sioux Aquifer. This permit does not increase the 1,491 acre feet of water annual volume authorized by the System's existing water rights from this aquifer. The additional well that is requested is to be a backup well. No increase in the diversion rate or annual volume of water is being requested.

Upon review of the request and pursuant to SDCL 46-5-13.1, Big Sioux Community Water System is authorized to construct the additional diversion points without application or publication of a notice of hearing pursuant to SDCL 46-2A-4.

It is our understanding that these additional wells are necessary to bring the production capabilities to the permitted amount or will act as mechanical back-ups to the existing wells. A new water right permit will be necessary if there is an increase in the permitted diversion rates or annual volume of water as authorized by the System's existing water rights.

This request has been authorized under SDCL 46-5-13.1 for which there is no application filing fee.

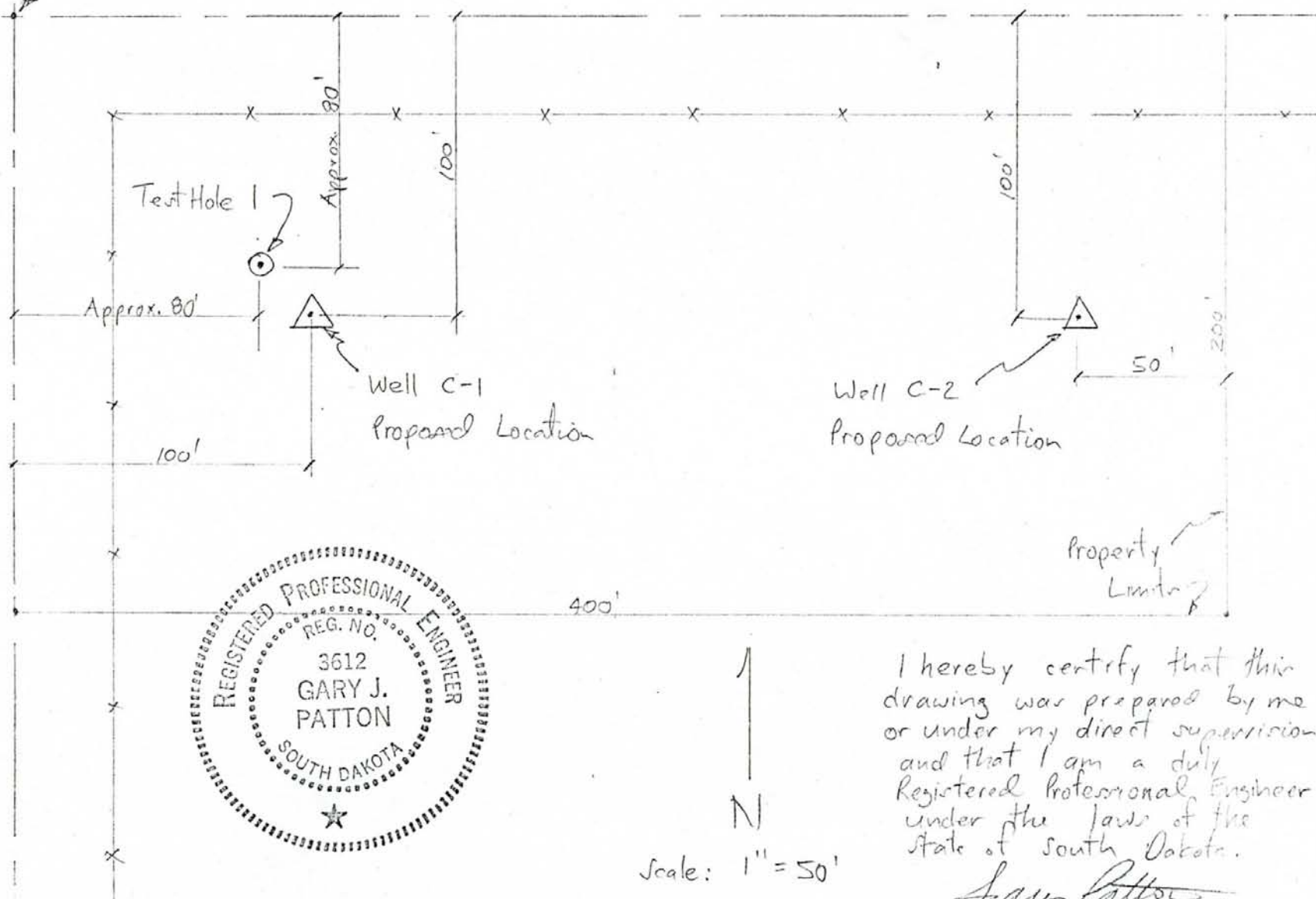
If you have any questions, please feel free to contact Eric Gronlund at (605) 773-3352.

Sincerely,

A handwritten signature in cursive script, appearing to read "Garland Erbele".

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

NW 1/4 Section 9, T 105 N, R 51 W



I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.

Gary Patton