

1. Considered Feb. 5, 1959 Appl. No. 550-3
2. Name of Applicant City of Lake Norden
3. Post Office Address Lake Norden, S. Dak.
4. Amount of water claimed 3.00 cfs
5. Source of water supply Ground water
6. Water to be used for municipal use
Acres to be irrigated _____
7. Water to be diverted and used in Hawley County about
miles West of Lake Norden
8. Proof of Publication Received _____
Not Received ✓
9. Application Approved ✓
Subject to Rec of Prof
Not approved _____
Action deferred _____

10. Remarks:

0.33 cfs - Vested Right
0.5 cfs - New Application
2.17 cfs - Withdrawal for future use

Map No. 421-3

8. Estimated cost of work:

(a) Head Gates, \$-----

(b) Pumping plant, \$ 3000-----

(c) Fluming, \$-----

(d) Canal-earth, \$-----

Rock, \$-----

(e) Other structures ----- \$-----

Total, \$ 3000-----

9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

Well using turbine pump pumping into existing City System

II. Dimensions of works:

(a) Dam: Height ----- feet; length at bottom ----- feet; length at top ----- feet; thickness at bottom ----- feet; thickness at top ----- feet; slope at front water face ----- material used in construction -----

(b) Reservoir: Capacity when filled ----- acre feet. Surface area at highwater mark ----- acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET--ACRES	ACRE-Feet CAPACITY

(c)* Head gate: Width ----- feet; height ----- feet; Material -----

(d) Canal: Total length ----- miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work ----- one ----- years.

11. Time required for complete application of water to the proposed beneficial use ----- one ----- years.

12. Choice of newspaper for publication of notice of intention to appropriate -----

Hamlin County Enterprise

STATE OF SOUTH DAKOTA

County of Hamlin } ss.

I, Acting Mayor, Holger Nielsen, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed

Holger Nielsen

Subscribed and sworn to before me this

19th

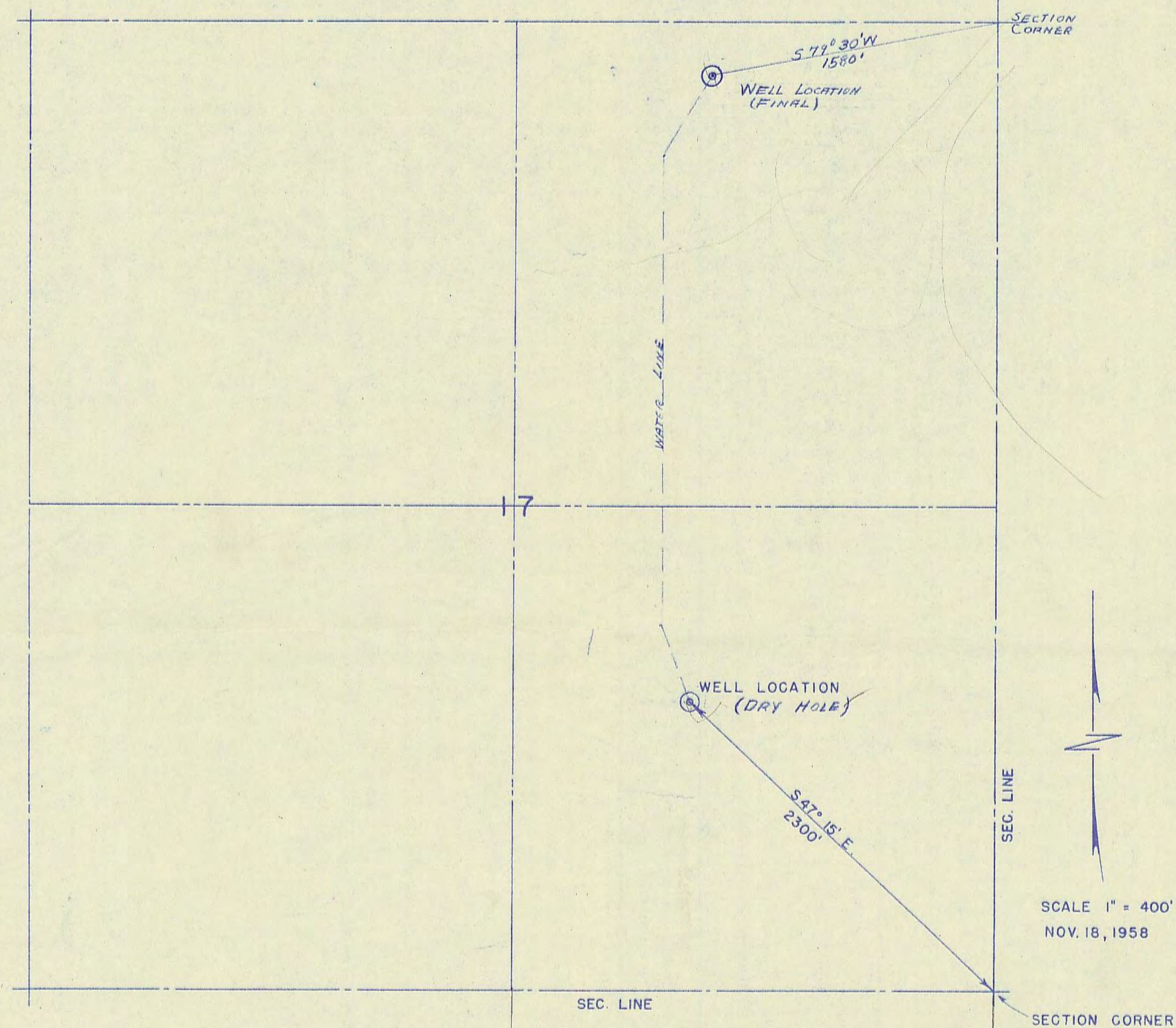
day of

November 1958

Walter Gjermundsen

Notary Public (or other qualified officer.)

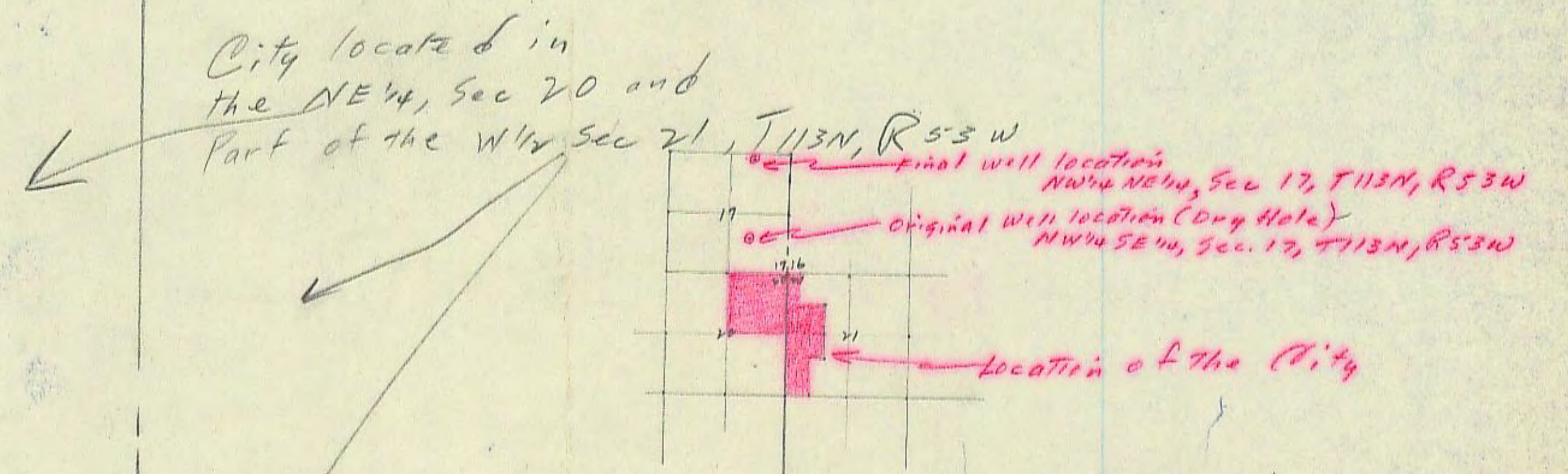
*Each diversion must have a headgate or measuring device.



PLAT OF WELL LOCATION
IN THE S.E. 1/4 OF SEC. 17, T 113 N, R 53 W
HAMLIN COUNTY
FOR
LAKE NORDEN, SOUTH DAKOTA

BY
SCOTT ENGINEERING COMPANY
WATERTOWN, SOUTH DAKOTA

Haldo E. Scott
REGISTERED LAND SURVEYOR



Map No. 421-3
Appl. No. 557-3

Remarks by State Water Resources Commission:

0.33 cfs. is claimed under a "Vested Right" 0.56 cfs. is claimed for municipal use in works to be constructed in the near future, and full cfs. is to be withdrawn for future use for which specific applications will be submitted when definite plans are formulated.

STATE OF SOUTH DAKOTA

County of

Hughes

ss.

Pierre, South Dakota,

December 17, 1958

This is to certify that the foregoing application was received by the Commission at 9:00 o'clock

9 a.m. upon the 22 day of November, 1958

State Water Resources Commission

By:

J. W. Brinner

Chief Engineer, Executive Officer

Number of permit 537-3

Date of first receipt of application

November 22, 1958

Date of return to applicant for correction, amendments or changes required as follows:

November 22, 1958

Date of receipt of corrected application

December 10, 1958

Date from which applicant may claim right

0.33 cfs. from 1937
2.67 cfs. from November 22, 1958

Approved

February 4, 1959

Recorded in Book

5

Page 114

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before

August 4, 1959

2nd. The whole of said work is to be completed on or before

February 4, 1960

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

February 4, 1961

4th. The water appropriated shall be used for the purpose of

municipal use

5th. 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.

6th. The amount of the appropriation herein granted shall not exceed

3.0

cubic feet per second; neither shall it exceed the capacity of the above described system of diversions, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry, and further, said appropriation must be limited to not more than one (1) 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 this date for 0.33 cfs. and said water to be used during the following described annual period: February 4, 1961 for 0.56 cfs. and future use

withdrawals of full cfs. said water to be used during the following described annual periods:

Continuously

Witness my hand this

11

day of

March

1959

State Water Resources Commission

By:

J. W. Brinner

Chief Engineer, Executive Officer

Certificate of Construction Issued

VR May 14, 1959

DEC 13, 1965

Water License Issued

VR May 14, 1959

DEC 13, 1965

Form 2A — Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 30" Depth 30'

Type of casing Steel
(wood, concrete, steel, etc.)

Size of casing 12" Thickness of casing ASTM Spec A-53
Schedule 40 pipe

Length of casing 20' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen Bronze

Size of perforated screen 12" 10'
(diameter) (length)

Thickness of gravel pack 9" length of gravel pack 10'

(c) Water Bearing Materials

Distance to water 20' Character of water bearing materials

..... Coarse Sand

Thickness of water bearing material 10'

(d) Pump and Motor

Type of pump Turbine
(centrifugal, propeller, mixed flow, etc.)

Name of pump Fairbanks-Morse size 100 gpm

Kind of motor Electric
(gasoline, electric, diesel, etc.)

Horsepower 10 Name of Motor Fairbanks-Morse

(e) Complete well

Capacity 250 gpm drawdown of 4' Estimated cost \$3000.00

(f) Owner of land upon which well is located City of Lake Narden
Name

..... Lake Narden, South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property 30 rods. On property owned by others 150 rods

Lake Norden (Existing)

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 10 foot diameter Depth 26 feet

Type of casing concrete
(wood, concrete, steel, etc.)

Size of casing 10' diam. Thickness of casing 8 inches

Length of casing 27 feet If collection gallery, length, size and depth of gallery

(b) Screens

Type of perforated screen 4 inch horizontal, wrought iron

Size of perforated screen 4 inch (diameter) Est. Total 60 feet (length)

Thickness of gravel pack 0 length of gravel pack 0

(c) Water Bearing Materials

Distance to water 8 feet Character of water bearing materials coarse

sand and gravel

Thickness of water bearing material 16 feet

(d) Pump and Motor

Type of pump Piston
(centrifugal, propeller, mixed flow, etc.)

Name of pump Unknown size Unknown

Kind of motor Electric
(gasoline, electric, diesel, etc.)

Horsepower 10 Name of Motor Unknown

(e) Complete well

Capacity 250 gpm at drawdown of 25 feet Estimated cost Unknown

(f) Owner of land upon which well is located City of Lake Norden
NameLake Norden, South Dakota
Address

(g) Distance to nearest existing ..

On same owner's property None rods. On property owned by others None rods

Permit No. 557-3Water Division No. 3 Big Sioux River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That City of Lake Nordenof Lake Norden, County of Hamlin, and State of South Dakota, the holder of Vested Right Permit No. 557-3, Issued upon Application No. 557-3, bearing date of priority of 1937, authorizing the diversion of0.33 cu. ft. per second of the waters of ground waterCounty of Hamlin, State of South Dakota, at 2300 feetS 47° 15'E to the SE Cor., Sec. 17, T 113 N, R 53 Wfor municipalpurposes, has 8 fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works 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 0.33 cu. ft. per second of water; and that ~~XXXXXXXXXXXXXXXXXXXX~~ the use of said water is described as follows,to-wit: for municipal purposes in the distribution system of the City of Lake Norden

Witness my hand this

14th

day of

MayA. D. 1959

State Water Resources Commission

By:

J. W. GRIMES, Chief Engineer, Executive Officer

557-3

STATE OF SOUTH DAKOTA

WATER LICENSE No...557-3...

WE HEREBY, On the 22nd day of November A. D. 1959
the City of Lake Norden

of Lake Norden County of Hamlin and State of
South Dakota duly made application (No. 557-3) to us for a permit to use 0.33
cubic feet per second of the waters of ground water
County of Hamlin, State of South Dakota, for municipal
purposes; and

WHEREAS, On the 14th day of May A. D. 1959
Vested Right Permit No. 557-3 was issued to said applicant... for the diversion of said water, and ~~recognizing~~ recognizing
the completion of the works of diversion therein described on or before the 30th day of
June A. D. 1955 and for the application to beneficial use of said
water on or before the 30th day of June A. D. 1955
and,

WHEREAS, On the 19th day of December A. D. 1958
Vested Right the holder... of said permit duly made proof of the completion of adequate works for the diversion of 0.33
cubic feet per second of said waters, as evidenced by our Certificate No. 557-3
dated May 14, 1959 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 0.33 cubic feet per second of water, with date of
priority of 1937 and, and,

WHEREAS, On the 19th day of December A. D. 1959
proof was duly made of the application to beneficial use of 0.33 cubic feet per second of said water;
for municipal purposes in the distribution system of the
City of Lake Norden

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 Lake Norden Vested Right

of Lake Norden, South Dakota the holder and owner of said permit No. _____

a water right, dating from 1937 to the use of 0.33

cubic feet per second of the waters of ground water

In the County of Hamlin and State of South Dakota, or so much thereof as may be

necessary for the purposes hereinafter mentioned, to be diverted at S47° 15' E, 2300 feet to

the SE Cor., Sec. 17, T 113 N, R 53 W

and conducted to ~~and for~~ the residents of the City of Lake Norden

for the purpose of municipal use

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the State, and subject, also to the local or community customs, rules and regulations which have been or may be adopted from time to time by a majority of the users from a common source of supply, canal or lateral from which such water may be taken, when such rules and regulations have for their object the economical use of such water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 14th day of May A. D. Nineteen
Hundred and fifty-nine

State Water Resources Commission

By:

J. W. GRIMES,

Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Am't _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

In Book _____ of _____ Page _____

Permit No. 557-3Water Division No. 3 Big Sioux River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Lake Norden

~~XXXX~~ County of Hamlin, and State of South Dakota, the holder of Permit No. 557-3, issued upon Application No. 557-3, bearing date of priority of November 22, 1958, authorizing the diversion of .56 cu. ft. per second of the waters of ground water

County of Hamlin, State of South Dakota, at a point 1580' S 79° 30' W from the NE corner Section 17, T113N, R53W

for municipal purposes, has S fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works 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 .56 cu. ft. per second of water; and that the ~~uses proposed to be made of the~~ use of said water are described as follows, to-wit: to be used for municipal purposes in the City of Lake Norden.

Witness my hand this 13th day of December A. D. 10 65

State Water Resources Commission

By:

J. W. ORIMES

Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

WATER LICENSE No. 557-3

WHEREAS, On the 22nd day of November A. D. 1958
the city of Lake Norden

County of Hamlin and State of
South Dakota duly made application (No. 557-3) to us for a permit to use .56
cubic feet per second of the waters of ground water
County of Hamlin, State of South Dakota, for municipal
purposes; and

WHEREAS, On the 11th day of March A. D. 1959
Permit No. 557-3 was issued to said applicant for the diversion of said water, and providing for the
completion of the works of diversion therein described on or before the 4th day of
February A. D. 1960 and for the application to beneficial use of said
water on or before the 4th day of February A. D. 1961
and,

WHEREAS, On the 2nd day of November A. D. 1965
the holder of said permit duly made proof of the completion of adequate works for the diversion of .56
cubic feet per second of said waters, as evidenced by our Certificate No. 557-3
dated December 13, 1965 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use .56 cubic feet per second of water, with date of
priority of November 22, 1958 and,

WHEREAS, On the 2nd day of November A. D. 1965
proof was duly made of the application to beneficial use of .56 cubic feet per second of said water;
for municipal use by the City of Lake Norden

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 Lake Norden

X&Y _____ the holder, _____ and owner _____ of said permit No. 557-3

a water right, dating from November 22, 1958 to the use of .56

cubic feet per second of the waters of ground water

In the County of Hamlin and State of South Dakota, or so much thereof as may be

necessary for the purposes hereinafter mentioned, to be diverted at a point 1580', S79° 30' W from

the NE corner, Section 17, T113N, R53W

and conducted ~~through the city water distribution system~~

for the purpose of municipal use

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the State, and subject, also to the local or community customs, rules and regulations which have been or may be adopted from time to time by a majority of the users from a common source of supply, canal or lateral from which such water may be taken, when such rules and regulations have for their object the economical use of such water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 13th day of December A. D. Nineteen
Sixty-Five
Hundred and _____

State Water Resources Commission

By:

J. W. GRIMES
Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Amount _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

In Book _____ of _____ Page _____

(First Publication before January 2, 1959)

Office of State Water Resources Commission

Pierre, South Dakota, December 17, 1958

Notice is hereby given that the City of Lake Norden whose postoffice address is Lake Norden, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.0 cubic feet of water per second of time from ground water through the municipal water system, 0.33 cubic feet of water per second is claimed under an existing Vested Rights, 0.56 cubic feet of water per second is claimed under a new application, and 2.11 cubic feet of water per second is claimed as a withdrawal for future use, the points of diversion of which are located and to be located in the SE $\frac{1}{4}$ of Section 17 Twp. 113 N, Range 53. W. Said water to be used for municipal purposes in the City of Lake Norden.

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 4th day of February 1959 at 2:00 pm. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission

By:

Les Wyborny, Water Rights Engr.

cc Mr. Casper Nohner, Publisher
The Hamlin County Herald Enterprise
Mayfield, South Dakota

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
 County Hamlin } ss.

Charles Bruha being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from the _____

Herald-Enterprise a newspaper which during the whole time of publication of said notice herein after stated, has been and is printed and published in the town _____ of Hayti County of Hamlin and State of South Dakota;

that the said notice was published in said newspaper on the following dates:

December 24th

December 31st

January 6th
January 15th

in each and every issue of the full number thereof, the first publication being made on the 24th day of December

1952 and the last publication on the 15th day of

January 1952 upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he

was _____ the printer and publisher of the said newspaper.

Charles Bruha

RECEIVED
 FEB 16 1952

STATE WATER RESOURCES COMM.
 PIERRE, SOUTH DAKOTA

557-3
 APPROPRIATION OF WATER
 Office of State Water Resources Comm.
 Pierre, South Dakota
 December 17, 1951
 Notice is hereby given that the City of Lake Norden, whose postoffice address is Lake Norden, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.0 cubic feet of water per second of time from ground water through the municipal water system, 0.33 cubic feet of water per second is claimed under an existing Vested Rights, 0.56 cubic feet of water per second is claimed under a new application, and 2.11 cubic feet of water per second is claimed as a withdrawal for future use, the points of diversion of which are located and to be located in the SE $\frac{1}{4}$ of Section 17 Twp. 113 N. Range 63 W. Said water to be used for municipal purposes in the City of Lake Norden.
 This application will be taken up by the State Water Resources Commission at their offices at Pierre for consideration upon the 4th day of February 1952 at 2:00 p. m. All interested persons may appear and be heard.
 Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.
 STATE WATER RESOURCES COMMISSION
 By Les Wyborny, Water Rights Engr. 7-10

Subscribed and sworn to before me this 13th day of February A. D. 1952

Notary Public - My Commission Expires January 10, 1954 County, S. D.

CITY OF LAKE NORDEN

LAKE NORDEN, SOUTH DAKOTA

April 8, 1958

Water Resources Commission
Pierre, South Dakota

Dear Sirs;

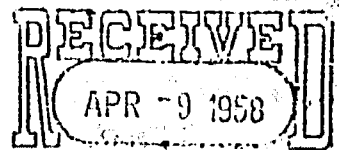
Several months ago we received some materials from you relating to making application for water rights for the City of Lake Norden because of the difficulty we had last summer with obtaining enough water from our city well.

I gave the materials to Mr. Larson our Mayor and since giving them to him, he has died and we cannot find those forms in any of his files so I am wondering if it would be possible to get another set of them so we can get them ready and have some action on them with the summer season ahead and we might have some trouble with the water level again.

Thanking you kindly for your attention to this matter.

Sincerely,

Valno E. Haglund
Valno E. Haglund, Auditor



STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

November 29, 1958

Mr. Bernie E. Schumucker
Chief Civil Engineer
Scott Engineering Company
Box 863
Watertown, South Dakota

Dear Mr. Schumucker:

The Application for a Permit to Appropriate Water (557-3) dated November 19, 1958 submitted by you in behalf of the City of Lake Norden was received November 22, 1958.

An examination fee of \$5.00 is required by the statutes to be paid before we can process an application. This examination fee did not accompany the application.

The notary's seal does not appear on the Form 2 (Application). The forms are being returned in order that the seal may be affixed. We are also returning the map in order that Mr. Waldo L. Scott, the Registered Land Surveyor may have his signature notarized and also affix his seal. Please also show on the map the area where the water is to be used.

In examining the application it was noted that the pump capacity was given as 100 gpm, the estimated well capacity as 250 gpm, and that the application is made out to claim 3.0 cfs or a little over 1300 gpm which is much in excess of the proposed ability to divert water. Possibly the balance was meant to cover a Withdrawal of Water for Future Use and/or a "Vested Right" for the existing well which my present information indicates was constructed in about 1937. Please clarify this for us and if this is the case please show a break down in the amount of water claimed. If this well is still in use and is to be covered by a "Vested Right" please complete Form

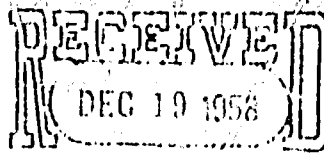
Location No.

557-3
Big Sioux
River

Water Division No.

3

Water District

STATE WATER RESOURCES COMM
FARM, SOUTH DAKOTA

Proof of Application of Water to Beneficial Use

PETITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. Engineer for Applicant, Scott Engineering Company, P. O. Box 863,

Watertown, South Dakota

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business (if a foreign corporation, give name and postoffice of statutory agent,) your position with reference to same, and your authority for appearing in its behalf.

Ans. City of Lake Norden, Lake Norden, South Dakota

Acting City Engineers for the City of Lake Norden

Ques. 3. State date of posting and date of recording notice of appropriation.

Ans.

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. Wells located 2300 ft. South 47° 15' East of the southeast corner Section 17,

T113N, R43E, and other wells in a 500 foot radius of this point

Ques. 5. Describe your works of diversion giving length and height of each dam and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use, and date of completion of same.

Ans. Wells. Existing well capacity 150 gpm, proposed well capacity 250 gpm.

possible future wells estimated capacity 900 gpm. Existing well completed about 1937,

proposed well completed spring 1959, future wells (2)

Ques. 6. State for what purpose water is used and describe place of use. (If for Irrigation, name each subdivision in which used, and number of acres in each subdivision that have ACTUALLY been irrigated with said water.)

Ans. The water is to be used as a municipal water supply for Lake Norden, South Dakota. This use to consist of domestic supply, industrial supply, and fire protection.

Ques. 7. If for other than Irrigation purpose, state how applied, amount of horse power generated, etc.

Ans.

Ques. 8. What is the minimum amount of water required for the use specified above?

Ans. At the present time 100 gpm

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans.

Ques. 10. State when, how, in what amount and to what extent, the water diverted under above mentioned permit has been used.

Ans. The present diversion of 150 g.p.s. is used as municipal water supply for the City of Lake Norden

SCOTT ENGINEERING COMPANY

(Sign)

Bernie E. Schmucker

Chief Civil Engineer

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Watertown, County of Good State of South Dakota, on this 9th day of December A. D. 1950.

Witnesses.

I, the undersigned, do hereby certify that I am a duly qualified elector residing in the immediate vicinity of the diversion works designated in the foregoing testimony, that I have no interest in the works, water or land above described, that I have read the foregoing testimony and that I know of my own personal knowledge that the matters therein stated are true.

Location No. _____

PROOF OF APPLICATION OF
WATER TO BENEFICIAL USE

PETITION OF HOLDER

Amount of Water _____ c. f. s.

Source _____

County _____

Purpose _____

Place of Use _____

Date of recording _____

Received and filed _____

COMMISSION

A. E. Munk, Pierre,
Chairman
Kenneth C. Kellar, Lead,
Secretary
James Higger, Brookings
Carl Cronin, Gettysburg
Lauren A. Davis, Belle Fourche
Stephen H. Ferris, Vermillion
Walt Taylor, Rapid City



SOUTH DAKOTA
State Water Resources Commission

J. W. GRIMES, CHIEF ENGINEER AND EXECUTIVE OFFICER
STATE OFFICE BUILDING

PIERRE, SOUTH DAKOTA

December 17, 1958

Mr. Bernie E. Schmucker
Chief Civil Engineer
Scott Engineering Company
Box 863
Watertown, South Dakota

Dear Mr. Schmucker:

The Forms 24, Proof of Beneficial Use, corrected map #421-3 and application blanks #557-3 were received December 10.

The Forms 24 are being returned in order that you may sign them, have your signature notarized and return them to us. We require that only one copy of this form be submitted but if you wish a copy, you may complete both and one will be attached to the applicant's copy of the application.

After reviewing the Form 24, I corrected the amount of water claimed on the Application (form 2) as follows:

Originally it read 3.0 c.f.s.
Corrected to read 0.33 c.f.s. from the old well,
0.56 for the proposed new well and 2.11 c.f.s. for
a withdrawal for future use.

If the above breakdown corresponds to the intent of the application, please confirm the correction.

Sincerely,

Les Wyborny
Les Wyborny
Water Rights Engineer

O.K. and thanks,
B. E. Schmucker

LW:ls
Enc. 2

SCOTT ENGINEERING COMPANY

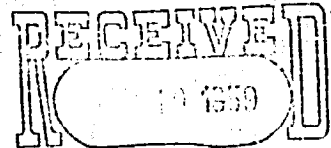
Engineers & Architects

Postoffice Box 863

TURNER 6-5725

WATERTOWN, SOUTH DAKOTA

March 9, 1959



STATE WATER RESOURCES COM. L.
PIERRE, SOUTH DAKOTA

Mr. Les Wyborny
Water Rights Engineer
S. Dak. State Water Resources Commission
State Office Building
Pierre, South Dakota

Dear Mr. Wyborny:

Please find enclosed two prints showing the final well location for the Lake Norden municipal well. We could not develop a suitable well at the original location.

Please advise us of the necessary procedure for revising the original Water Rights Application.

Very truly yours,

SCOTT ENGINEERING COMPANY

Bernie E. Schmucker
Bernie E. Schmucker
Chief Civil Engineer

Enc.
BES:mm

1010

March 24, 1959

Mr. Bernie E. Schmucker
Chief Civil Engineer
Scott Engineering Company
P. O. Box 863
Watertown, South Dakota

Dear Mr. Schmucker:

Receipt is acknowledged of the amended prints of the Lake Norden map and your letter of March 9, 1959.

The change in location of the new well will be presented to the Water Resources Commission for official action at their meeting on April 8, 1959. You will be notified of their decision as soon as possible. It is doubtful that any further action on your part will be required except that we should have a reproducible copy of the new map.

Sincerely,

Les Wyborny
Water Rights Engineer

LW:ls

April 14, 1959

Mr. Holger Nielsen, Acting Mayor
City of Lake Norden
Lake Norden, South Dakota

Dear Mr. Nielsen:

The Water Resources Commission at their meeting on April 8, 1959 approved your request to change the location of your proposed well from the SE $\frac{1}{4}$ to the NE $\frac{1}{4}$ of Sec. 17, T 133 N, R 53 W.

Item 5, Location of point of diversion on your Permit No. 557-3 has been changed to read "Well #1-2300 feet, S 47° 15' E to the SE Cor., Sec. 17, T 113 N, R 53 W. Withdrawal for future use in the SE $\frac{1}{4}$, Sec. 17, T 113 N, R 53 W. Well #2-1580 feet, S 79° 30' W, from the NE Cor., Sec. 17, T 113 N, R 53 W" instead of as it originally read as follows "both wells 2300 feet, S 47° 15' E, to the SE Cor., Sec. 17, T 113 N, R 53 W. Withdrawal for future use in the SE $\frac{1}{4}$, Sec. 17, T 113 N, R 53 W."

Please permanently attach this letter to your Permit No. 557-3 and make the changes in the location of the point of diversion.

Scott Engineering Company of Watertown, South Dakota has furnished the necessary information relative to the change in location of your well.

However, should the construction features be materially changed in constructing the well at your new location, please send us the information as required on the enclosed form 2A so that it may be made a part of your water right record. If, in constructing the new well, you do not make definite changes you do not need to re-submit the form 2A.

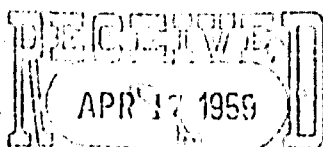
Sincerely,

Enc: Form 2A (2)

cc Bernie E. Schruicker
Chief Civil Engineer

Scott Engineering Co-Box 863 , Watertown, S.D.

Les Wyborny
Water Rights Engineer

Permit No. 557-3STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

Water Division No. _____ Water District _____

NOTICE OF COMPLETION OF WORKS

This blank must be filled out by the holder of permit and forwarded to the Executive Officer at least 60 days before the time set for completion of works

(P. O.) Lake Norden, S.D.(Date) 4/15/59

TO THE STATE WATER RESOURCES COMMISSION
OF SOUTH DAKOTA, PIERRE:

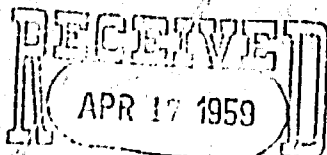
DEAR SIR: Notice is hereby given of the completion of the works for the diversion of 334
_____ cu. ft. per second of the waters of the state from well
through the municipal distribution system
for Lake Norden, S.D. municipal and domestic purposes
_____ In accordance with the terms and con-
ditions of a certain permit heretofore issued by the Water Resources Commission of the State of South Dakota.

1. The name of the person or corporation holding said permit is City of Lake Norden
2. The postoffice address of such person or the place of business of such corporation is Lake Norden
County of Hamlin State of South Dakota
3. The number of such permit is 557-3 and the date set for the completion of such work is July 1, 1959
4. Said water to be used for Domestic, fire protection, municipal purposes.
5. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conducting to the place of intended use, in accordance with the plans accompanying the application for such permit, is at the end of present constr. 10 cubic feet per second.
6. The amount of land for which said water is available is _____ acres,
particularly described as follows: _____

I hereby certify that the facts set forth in the above notice are true.

Wm. B. Bismarck Auditor

(Signature of Owners) City of Lake Norden, S.D.

Permit No. 557-3

Water Division No. _____

Water District _____

STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

Notice of Application of Water to Beneficial Use

(This blank must be filled out by holder of permit and forwarded to the State Water Resources Commission at least sixty days before the time set for application of water.)

(P. O.) Lake Norden, S. D.(Date) 7/15/59

TO THE STATE WATER RESOURCES COMMISSION OF SOUTH DAKOTA, PIERRE:

DEAR SIR: Notice is hereby given that on the first day of July
19 59, at Lake Norden County of Hamlin State of South Dakota,
before B. E. Schmecker (Reg. Engineer) proof will be submitted of the application to beneficial use
(Examining Engineer or Officer)
of 334 cubic feet per second of the waters of Ground waters

_____ in accordance with the terms and conditions of Permit No. 557-3
heretofore issued by the Water Resources Commission of South Dakota.

1. The name and postoffice address of the person or corporation holding said permit are City of
Lake Norden, S. D.
2. The use to which said water has been applied is Municipal water supply
3. The amount applied to beneficial use is 334 cfs. at the completion of present construction.
4. The place where said water is used is (if for irrigation, give full and accurate description of the lands irrigated) Within City limits of Lake Norden, S. D.
5. The name of the canal or ditch or other works by which said water is conducted to such place of use is Well # 2
6. The right to take the water from such works is based upon permit No. 557-3
7. The source of supply from which such water is diverted is shallow well 40' deep
8. The date of priority which said user is prepared to establish is 1937

(Sign)

Vanier Brimicombe
Auditor

Permit No. 557-3
BIG SIOUX
3 RIVER Water District

Certificate of Examination of Works

Report of Examining Engineer

To the State Water Resources Commission, Pierre, South Dakota:

Dear Sirs: I hereby certify that in accordance with your letter of authorization dated _____ 19____, I have this day made a thorough examination of the diversion works constructed by THE CITY OF LAKE MORDEN HAMLIN County, South Dakota, holder of Perm't No. 557-3, Issued upon Application No. 557-3, bearing date of priority of NOVEMBER 22 58, authorizing the diversion of .56 cu. ft. per second of the waters of GROUND WATER for MUNICIPAL purposes. I have to report on the condition of the same as follows:

The diversion works comprise: 4.1' WELL W/ 2.9" CONCRETE CASING W/ FAIRBANKS MORSE 6" PUMP POWERED BY 15HP ELECTRIC MOTOR TYPE KKKV-6 6" BURIED PIPELINE ABOUT 1 MILE TO CONNECT WITH CITY DISTRIBUTION SYSTEM and the system is in the following condition: EXCELLENT

The point of diversion is located APPROX 1 MILE N OF TOWN, AS SHOWN ON MAP

The works are capable of diverting and conveying to the place of use .56 cu. ft. per second of water, which is to be used for MUNICIPAL

The legal sub-divisions to be irrigated are: _____

_____ comprising a total of _____ acres of land. The domestic use intended comprises _____

The utilization for power, mining, or other beneficial uses comprises: _____

Witness my hand, this 2ND day of NOVEMBER, A.D. 1965

—SEAL—

Burton J. Jones
 Examining Engineer.
 OFFICER

**South Dakota Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

January 24, 1984

NOTICE

To : Larry Steffensen Mayor, City of Lake Norden
From : John Hatch, Chief Engineer, Water Rights Division
Subject : Review of Future Use Water Permit No. 557-3

The Water Management Board has directed that all future use water permits without a qualification requiring the permit to be reviewed every seven years to be noticed for hearing before the Board. The hearing to review Future Use Permit No. 557-3, City of Lake Norden will be conducted pursuant to SDCL 46-1-14, 46-5-38.1, ARSD 74:02:01:27 and contested case procedures contained in SDCL 1-26, February 15, 1984 at 1:30 pm in the Civil Defense Room, Basement of Capitol Building, Pierre, South Dakota.

The hearing will be to review 1) progress made in development of water reserved by Permit No. 557-3, 2) future plans for development of the reserved water, and 3) if the permit is not cancelled, to amend Permit No. 557-3 to add the seven year review qualification and to add or clarify other qualifications.

Future Use Permit No. 557-3 was approved February 4, 1959 with a priority date of November 22, 1958, for 2.11 cubic feet per second (cfs) from the following area: SE1/4 sec. 17 T113N-R53W with the following qualification:

At such time as definite plans are made, specific applications for all or any part of the water granted under this withdrawal must be submitted and approved prior to construction of facilities.

Following the hearing, the Board can:

- 1) Take no action,
- 2) Cancel Permit No. 557-3 for no development and/or no planned future development,
- 3) Continue and amend Permit No. 557-3 with the following qualifications:
 - a) Permit No. 557-3 to appropriate water for future use is subject to review by the Water Management Board as to accomplishment thereunder upon expiration of seven (7) years.

Equal Opportunity Employer

- b) This permit is approved for groundwater from the Big Sioux Aquifer-Brookings Management Unit.

If continued, at the end of seven years, the permit will again be reviewed and if it is continued, you will be required to pay 10% of the usual fee for an application to use water to keep Permit No. 557-3 in effect. The projected 10% fee in seven years based upon the existing permit CFS will be \$50.00.

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.

cc: Frank Burch Finance Officer

S515.wr

**South Dakota Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

July 25, 1984

Future Use Permit
No. 557-3

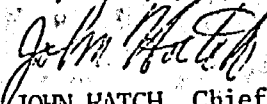
Larry Steffensen, Mayor
City of Lake Norden
PO Box 206
Lake Norden SD 57248

Dear Mayor Steffensen:

This letter is in regard to the motion passed by the Water Management Board February 15, 1984 after review of Lake Norden's Future Use Permit No. 557-3. The Board continued Permit No. 557-3 and amended the Permit to add the qualifications on the enclosed Attachment which should be placed with your Permit. Future Use Permit No. 557-3 will be subject to review after seven (7) years.

If you have any questions, please feel free to contact us.

Very truly yours,



JOHN HATCH, Chief Engineer
Water Rights Division

ks

encl.

cc: Frank Burch, Finance Officer

Equal Opportunity Employer

ATTACHMENT "A" FOR FUTURE USE PERMIT NO. 557-3
FOR CITY OF LAKE NORDEN

Future Use Permit No. 557-3 was continued by action of the Water Management Board February 15, 1984 and amended to add the following qualifications:

- a) Permit No. 557-3 to appropriate water for future use is subject to review by the Water Management Board as to accomplishment thereunder upon expiration of seven (7) years.
- b) This permit is approved for groundwater from the Big Sioux Aquifer-Brookings Management Unit.

557-3

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

November 30, 1984

City of Lake Norden
ATTN: Mayor Larry Steffensen
Box 206
Lake Norden SD 57248

Mayor Steffensen:

On October 23, 1984 I was in Lake Norden and visited with Darrell Kastien and inspected the City wells. The inspection was made so that we can issue a water license for water permit no. 4055-3. However, in reviewing the permits held by Lake Norden there are several things that need to be straightened out. In order to explain the problems I think some background information would be helpful.

1. On November 29, 1956 the City of Lake Norden submitted an application for the following: Well #1 located S47°15'E, 2300 feet to the SE corner of Section 17. Well #2 located 1580 feet S79°30'W from the NE corner of Section 17, and a reservation of 947 gallons per minute to be withdrawn from the SE $\frac{1}{4}$ Section 17. Well #1 was licensed for 251 gallons per minute with a priority date of November 22, 1958. Well #2 was licensed for 251 gallons per minute with a priority date of November 22, 1958.

2. On March 14, 1977 Lake Norden submitted an application for 2 wells at 150 gallons per minute each to be located in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17 and 1000 gallons per minute for future use from the E $\frac{1}{2}$ of Sections 8 and 17.

3. On October 23, 1984, I inspected the three city wells currently in use. Darrell told me that they each pump about 70 gallons per minute giving a total diversion of 210 gallons per minute.

According to water permit nos. 557-3 and 4055-3, Lake Norden has 1947 gallons per minute reserved for future use. However, ARSD 74:02:01:24:01 states that the amount of water held for future use is limited to 2 times the amount authorized by permits held by the applicant. This would mean that the amount of future use reservation for the City of Lake Norden would be 420 gallons per minute. The other problem concerns priority dates for the wells currently in use. I think we can solve these problems as follows: The future use portion of permit no. 4055-3 is scheduled for review December 5, 1984 at 2:30 pm. I would recommend that the attached qualification be added to No. 557-3 and 4055-3. The license for permit no. 4055-3 would be issued for 148 gallons per minute with a priority of 1937 and 62 gallons per minute with a priority of November 22, 1958.

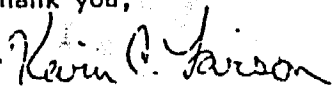
November 30, 1984

Larry Steffensen

Page 2

I am enclosing a map showing wells' No. 1 and 2 and the future use area crosshatched in orange. If I can answer any questions, please contact me. If I do not hear from you prior to the Board meeting December 5, 1984, I will ask the Board to defer action on No. 4055-3 until the March meeting.

Thank you,

A handwritten signature in dark ink, appearing to read "Kevin C. Larson". The signature is fluid and cursive, with the first name "Kevin" being more prominent than the last name "Larson".

KEVIN C LARSON

Natural Resources Engineer

KCL:ks

enclosure

Water Rights Division - DWNR

File No. 557-3

Conversation or File Documentation

NAME OF PERSON OR FILE: City of Lake NordenADDRESS: _____ COUNTY HamlinDATE: February 12, 1986 TELEPHONE _____RE: Priority dates for water license # 557-3

COMMENTS:

It is difficult to determine from the files, but indications are that one well applies to the vested right, one well applies to the 1958 application, and one well applies to the 1977 application.

To reflect the recognized and approved permits for the City, the water license should list the priority dates as follows:

Well #1 - 0.20 cfs, 1937 - Vested Right. This well was recognized under permit # 557-3 and originally licensed for 0.33 cfs. The City is presently pumping 0.20 cfs from this well.

Well #2 - 0.20 cfs, Nov. 22, 1958. This well was approved under permit # 557-3. It was originally licensed for 0.56 cfs. The City is presently pumping 0.20 cfs from this well.

Well #3 - 0.20 cfs, March 18, 1977. This well was approved under permit # 557-3. The City is presently pumping 0.20 cfs from this well.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: William D. Bray, P.E.
Hydrologist

Permit No. 557-3_____
Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DWNR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by the City of
Lake Norden holder of
Permit No. 557-3 ~~4-1055-3~~, bearing the priority of 1937, 11-22-58 & 3-14-77 ~~#~~ authorizing
the diversion of _____ cu. ft. per second of the waters of groundwater
for municipal purposes, in Hamlin County.

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

A. Works used to divert the water: 3 wells, 50 Ft. deep, 12" steel casing, S.S. screen
3 - 7½ Hp, 4" submersible pumps, 90 gpm each

B. Works used to transport water to place of use:
City distribution system

C. Works used to apply water to beneficial use: _____

The system is in the following condition goodThe point of diversion is located all three wells are located 1100 Ft. west and 500 Ft.
south of the NE corner of section 17 T113N-R54WThe works are capable of diverting and conveying to the place of use 0.60 cfs
cu. ft. per second of water which is to be used for municipal water supplyWater has been put to beneficial use to the maximum extent as follows: see attached reportcomprising a total of _____ acres of land and the license should be issued for 0.60 cfsApplicable permit qualifications have been complied with X Yes _____ NoExceptions to compliance are: _____ Date Oct. 23, 1984Kevin C. Larson
(signature)

State of South Dakota

REISSUANCE OF Water License No. 557-3

(1) the City of Lake Norden
of P.O. Box 213 Lake Norden, South Dakota was issued Water License No. 557-3
made Application No. _____, May 14, 1959 and December 13, 1965 for a ^{right} ~~water permit~~ to appropriate
a total of 0.89 cubic feet per second of water from groundwater
Hamlin County, South Dakota for municipal purposes.
Water License
Permit No. 557-3, with a priority date of 0.33 cfs from 1937 & 0.56 cfs from November 22, 1958
was approved _____ and issued to applicant(s) for diversion of water with construction of the described
water supply system ~~to be completed on or before~~ _____ and for the application to beneficial use of said
water ~~on or before~~ completed.

Well #3 authorized under Future Use Permit No. 4055-3 is incorporated into this Water License No. 557-3. Future use rights for the City remain under Permit No. 4055-3.

The October 23, 1984 inspection of the water use system found the total diversion capable of being pumped from the three wells was 0.60 cfs. Priority dates for the 0.60 cfs are as follows: 0.20 cfs from 1937, 0.20 cfs from November 22, 1958 and 0.20 cfs from March 14, 1977.

and

(2) It is certified that the application 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 0.60 cubic feet per second of water
for beneficial use. The location of the diversion point(s) ~~is~~ are: three wells located all 1100 ft
West and 500 ft South of the NE Corner of Section 17, T113N, R53W.

and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, water is diverted through the City's distribution system

(4) Pursuant to §16-5-30.1 the City of Lake Norden
of P.O. Box 213, Lake Norden, South Dakota 57248

the holder(s) and/or owner(s) of Water, ^{Right} Permit No. 557-3 is issued a license to appropriate water, the right to use 0.60 cubic feet per second of water from groundwater (three wells) with a priority date of .20 cfs from 1937, .20 cfs from November 22, 1958 & 0.20 cfs from March 14, 1977 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} Permit No. 557-3 and subject to South Dakota State Law.


Chief Engineer, Water Rights Division
Department of Water and Natural Resources

JOHN HATCH

NOV 24 1986

557-3

WATER RIGHTS DIVISION
(605) 773-3352

Larry Steffensen, Mayor
City of Lake Horden
Box 213
Lake Horden, South Dakota 57248

Dear Mayor Steffensen:

Enclosed is Reissued Water License No. 557-3 and Reissued Water Permit No. 4055-3. Water License No. 557-3 was reissued to include well #3 which was originally approved under Permit No. 4055-3. Permit No. 4055-3 was reissued to delete well #3. No. 4055-3 now reflects the city's future use water rights only.

If you have any questions, please advise.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division

JH:gm:ms
Enc.

South Dakota

GREAT FACES. GREAT PLACES.

DEPARTMENT OF WATER & NATURAL RESOURCES
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

April 26, 1991

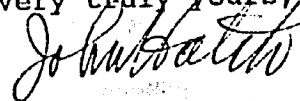
557-3
Larry Steffensen, Mayor
City of Lake Norden
PO Box 213
Lake Norden SD 57248

Dear Mayor Steffensen:

The Water Management Board has validated the enclosed Vested Water Right No. 557-3. This validation gives legal status to the claim and is the final document for your vested right.

As long as you use the water beneficially, as stated in the validation, State Water Laws provide that you have a continuing right to use the water.

Very truly yours,



JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosure

SOUTH DAKOTA

VALIDATION OF (PARTIAL) VESTED WATER RIGHT CLAIM NO. 557-3

Date Claim Accepted For Filing November 22, 1958.

Date of Validation September 27, 1989.

Pursuant to SDCL 46-2A-17 the Water Management Board validated Vested Water Right Claim No. 557-3 for the City of Lake Norden, P O Box 213, Lake Norden, South Dakota 57248 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 557-3 appropriates 0.20 cubic feet of water per second from one well approximately 50 feet deep. The well is located in the NE 1/4 NE 1/4, Section 17, T113N, R53W.

2. The appropriated water is used for supplying water for the City of Lake Norden and may not exceed the amount of water needed for beneficial use for municipal purposes.

The water is to be used during the following annual period: January 1 - December 31

3. The priority date of the Vested Water Right is: January 1, 1937.

4. The water use system has been constructed and water has been applied to beneficial use.

5. Water Rights obtained in compliance with the laws of the State of South Dakota must not be unlawfully impaired by this appropriation.

WATER MANAGEMENT BOARD

By: _____

John H. H. H.
Chief Engineer

Division of Water Rights

Dept. of Water and Natural Resources

APR 26 1991

date

Water Rights Program - File Documentation

NAME: Daryl Englund, Banner Associates, Inc.

ADDRESS: Brookings SD

DATE: 3-13-02

TELEPHONE: 692-6342

RE: Well Completion Report for City of Lake Norden

COMMENTS:

We received a well completion report for City of Lake Norden. I called Daryl Englund, Banner Associates, Inc. Mr. Englund indicated the well drilled July 23, 2001 was a replacement well for one of the 3 wells authorized by Water Right No. 557-3. Mr. Englund indicated this well replaced the middle well of the 3 wells. He further stated between the 3 wells they do not appropriate over 0.60 cfs (270 gpm) authorized by No. 557-3.

Karen Schlaak

Karen Schlaak
Environmental Scientist

Well Owner: _____
Business Name: City of Lake Norden
Address: Lake Norden SD 57248

A 2x2 grid map of a 1-mile square area. The grid is divided into four quadrants by a horizontal line labeled 'W' (West) and a vertical line labeled 'X' (East). Each quadrant contains a crosshair symbol. A scale bar at the bottom indicates the total width is 1 mile.

7/23-01

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc)? 5000 ft. from sewage pit (identify source)

PROPOSED USE:

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

rotary

CASING DATA: ☐ Steel ☒ Plastic ☒ Other
If other describe stainless steel

PIPEWEIGHT		DIAMETER		FROM		TO		HOLE DIAMETER	
750	LB/FT	12	IN	0	FT	61	FT	17	IN
SS	LB/FT	12	IN	61	FT	71	FT	17	IN
	LB/FT		IN		FT		FT		IN

Grout Type	No. of Sacks	Grout Weight	From	To
Portland	30	lb./gal	0 ft.	45 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Trimie pipe

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 12 IN Length 10 FEET
Material 304 stainless steel
Slot Size 40 Set From 61 Feet to 71 Feet
Other information gravel packed 50-71'
grout seal 45-50'

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO
If so, what material? bentonite

Describe packer(s) and location? 45-50'

DISINFECTION: Was well disinfected upon completion?

Laboratory sent to for water quality analysis

pierre SD

[illegible]

STATIC WATER LEVEL 20 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:

Describe: submersible pump☐ Bailed☐ Other

Pumping Level Below Land Surface

40 ft. After 24 Hrs. pumped 125 GPM

_____ Hrs. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license # 94

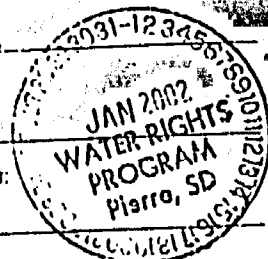
And this report is true and accurate.

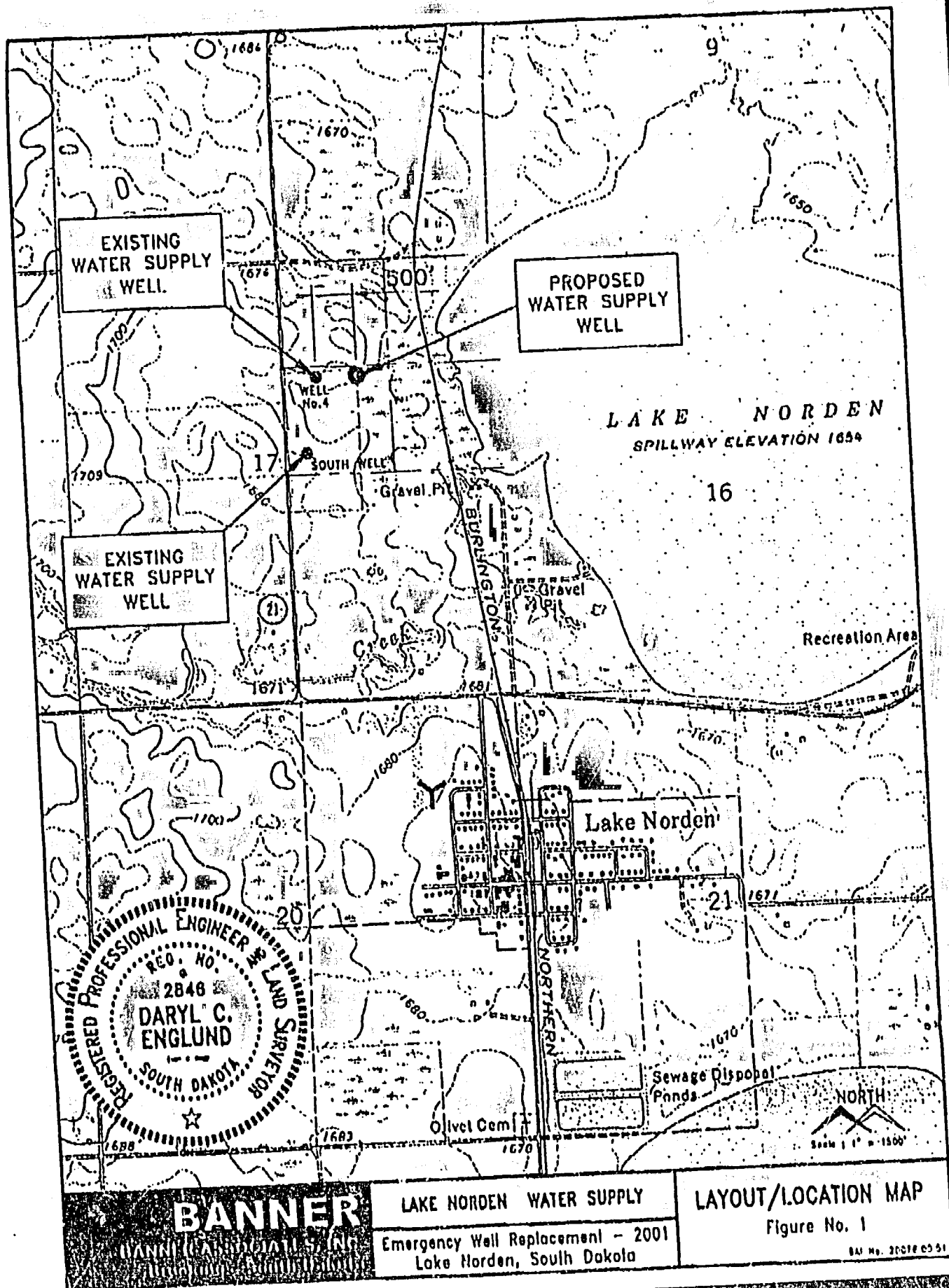
Drilling firm Huron Drilling Inc.

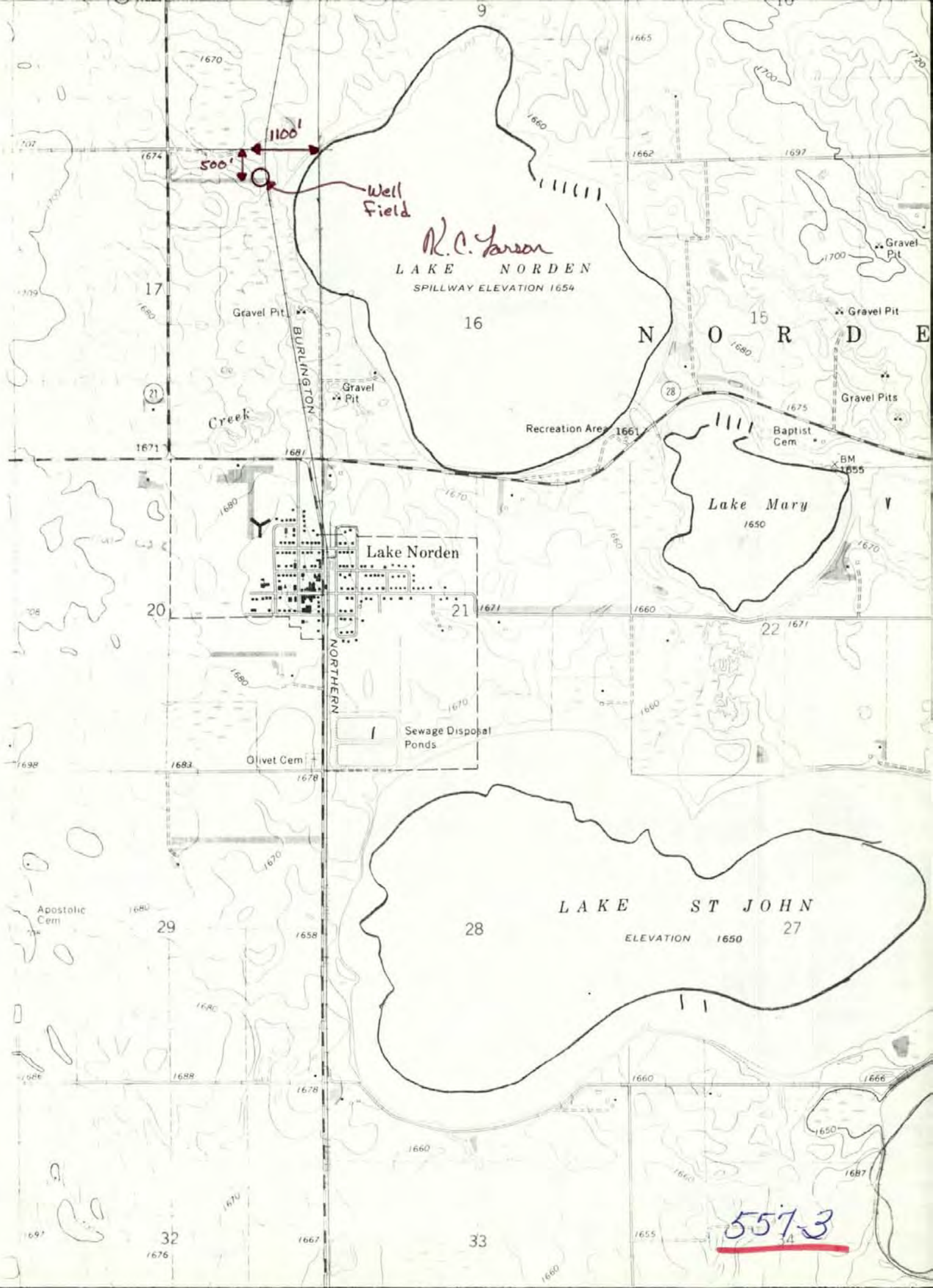
Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder:

Date: 1-30-02









June 13, 2006

577-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Janet Andrews, Mayor
City of Lake Norden
508 Main Ave
Lake Norden SD 57248-0123

Dear Mayor Andrews:

The Water Rights Program recently received a well completion report for a well drilled in April, 2006 by Kaiser Well Drilling for the city (copy enclosed). Is this new well a replacement well previously authorized by an existing water right or is this well an additional well for the city?

If the well increases the city's ability to divert water to meet the community water needs, this would constitute a new appropriation of water and require a new water right.

Please let us know the status of this new well. If you have any questions regarding the city's existing permits, please contact Eric Gronlund or me.

Sincerely,

Karen Schlaak

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

enclosure

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 17 Twp 113-N Rg 53WCounty
Hamlin

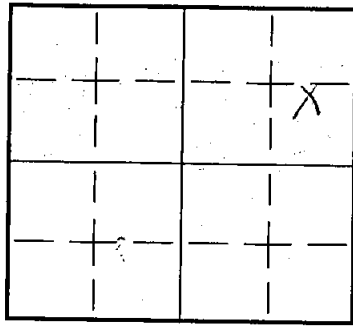
North

Please mark well location with an "X"

W

E

Well Completion Date

4-17-06

1 Mile

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 100 ft. from old well (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Direct RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>Sch 40</u> LB/FT	<u>12</u> IN	<u>2</u> FT	<u>40</u> FT	<u>17 1/2</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>Portland Cement</u>	<u>39</u>	<u>94</u> lb./gal	<u>0</u> ft.	<u>40</u> ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure pressure pull methodSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12 IN Length 15 FEETMaterial Johnson Stainless SteelSlot Size #100 Set From 40 Feet to 55 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: H1A Tablets

NO, Why Not? _____

Laboratory sent to for water quality analysis

PierceWell Owner: City of Lake Norden

Business Name: _____

Address: PO Box
Lake Norden SD 57248

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	4
yellow clay	4	10
Dirty fine yellow sand now	10	18
Dirty Medium yellow	18	20
Fine to Medium granular	20	40
Grey med to fine W/L	40	55
15' links		

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: Sub. pump☐ Bailed☐ Other

Pumping Level Below Land Surface

34 ft. After 30 Hrs. pumped 225 GPM40 ft. After 40 Hrs. pumped 300 GPM

If pump installed, pump rate _____ GPM

REMARKS

mailed to
State
5-23-06This well was drilled under license # 689

And this report is true and accurate.

Drilling firm Kaiser well DrillingSignature of License Representative: JohnSignature of Well Owner or Equitable Property Holder: Janet AndrewsDate: 5-1-06RECEIVED
MAY 24 2006
WATER RIGHTS
PROGRAM

Water Rights Program - File Documentation

NAME: Delores Kangas, Finance Officer, City of Lake Norden

ADDRESS: Lake Norden

DATE: 6-22-06 **COUNTY:** Hamlin **TELEPHONE:**

RE: Replacement Well

COMMENTS:

Delores Kangas, with the City of Lake Norden called regarding my letter dated June 13, 2006. Ms. Kangas stated she spoke with the water man who indicated that the well completion report for the well drilled in April, 2006 was a replacement well for Well Nos. 2 and 3. It is drilled approximately 100 feet from the two existing wells. As far as I could determine, Well Nos. 2 and 3 are covered by Water Right No. 557-3.



Karen Schlaak
Environmental Scientist