

770-3

1. Considered 5-10, 1961
2. Name of Applicant City of Browder
3. Post Office Address _____
4. Amount of water claimed .25
5. Source of water supply ground water (wells)
6. Water to be used for municipal
Acres to be irrigated _____
7. Water to be diverted and used in Edmond County about
_____ miles _____ of utility line
8. Proof of Publication Received 1
Not Received _____
9. Application / Approved _____
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

No. 5-770-3Water Division No. 3 MISSOURI RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

MAR 13 1921

STATE WATER RESOURCES OFFICE

RECEIVED 3:00 PM

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

(NOTE—Draw a line through items not applicable.)

1. Name of applicant CITY OF BOWDLE
 Postoffice address BOWDLE, County EDMUNDS, State SOUTH DAKOTA

I. If a corporation

- (a) Name of same _____
 (b) Date and place of incorporation _____
 (c) Amount of capital stock _____
 (d) Amount paid in _____
 (e) Names and addresses of directors _____

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

- (a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

CONTRACT

- (b) Cash on hand, \$ 10,000 (c) Treasury stock, \$ _____
 (d) Bonds to be issued, \$ _____ (e) Other resources, \$ _____

2. Name of diversion work BOWDLE WELL NO. 4 BOWDLE WELL NO. 5
#4 - 0.15
 3. Amount of water claimed #5 - 0.10 cubic feet per second TOTAL - 0.25
 4. Source of water supply SAND AND GRAVEL DEPOSITS
 5. Location of point of diversion SEE ATTACHED "AS CONSTRUCTED" PLANS
 _____ on _____ bank EDMUNDS County.
 6. Annual period or periods during which water is to be used ALL YEAR
 7. To be used for:

1. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?

- (a) Number of acres to be irrigated _____ acres.

(b) Legal subdivision to be irrigated

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

- (c) Statement as to domestic use (giving location, etc.)
- MUNICIPAL WATER SUPPLY

FOR CITY OF BOWDLE

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

- (a) Nature of use _____
 Name any of the above uses claimed
 (b) Amount of power to be generated _____ horse power.
 Amount claimed for engine cooling _____
 (c) Location of plant _____
 (d) Method of developing power _____
 (e) Point where water will be returned to stream _____

MAP NO. 543-3

8. Estimated cost of work:

(a) Head Gates, \$----- (b) Pumping plant, \$ 2000-----
 (c) Fluming, \$----- (d) Canal-earth, \$----- Rock, \$-----
 (e) Other structures ----- WELLS ----- \$ 2700----- Total, \$-----

9. Description of diversion works:

SEE FORM 2A

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

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-----; slope at back 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	FEET	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 ----- 1 ----- years.
 11. Time required for complete application of water to the proposed beneficial use ----- 1 ----- years.
 12. Choice of newspaper for publication of notice of intention to appropriate -----

Bowdle Pioneer *Bowdle* *Ed. Oak*
 STATE OF SOUTH DAKOTA

County of *EDMUNDS* } ss.

I, *ALFRED J. BOWDLE*, 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 *Alfred J. Bowdle*
 MAYOR, CITY OF BOWDLE

Subscribed and sworn to before me this ----- day of ----- 19-----

Ed. Oak
 Notary Public (or other qualified officer.)
 CITY AUDITOR

*Each diversion must have a headgate or measuring device.

Form 2A -- Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation #4 - 34" #5 - 34" Depth #4 - 90' #5 - 30'
 Type of casing #4 - STEEL #5 - STEEL (wood, concrete, steel, etc.)
 Size of casing #4 - 12" #5 - 12" Thickness of casing #4 - 0.375" #5 - 0.375"
 Length of casing #4 - 82' #5 - 20' If collection gallery, length, size and depth of gallery

(b) Screens

Type of perforated screen #4 - EVERDUR METAL #5 - EVERDUR METAL
 Size of perforated screen #4 - 12" - - - 10' #5 - 12" - - - 10' (diameter) (length)
 Thickness of gravel pack #4 - 11" #5 - 11" length of gravel pack #4 - 62' #5 - 10'

(c) Water Bearing Materials

Distance to water #4 - 40' #5 - 20' Character of water bearing materials
 #4 - COARSE SAND AND GRAVEL; #5 - COARSE SAND AND GRAVEL

Thickness of water bearing material #4 - 50' #5 - 10'

(d) Pump and Motor

Type of pump #4 - TURBINE #5 - TURBINE (centrifugal, propeller, mixed flow, etc.)
 Name of pump #4 & #5 - FAIRBANKS MORSE, size #4 - 4" #5 - 4"
 Kind of motor ELECTRIC (gasoline, electric, diesel, etc.)
 Horsepower #4 - 5 H.P. #5 - 3 H.P., Name of Motor

(e) Complete well

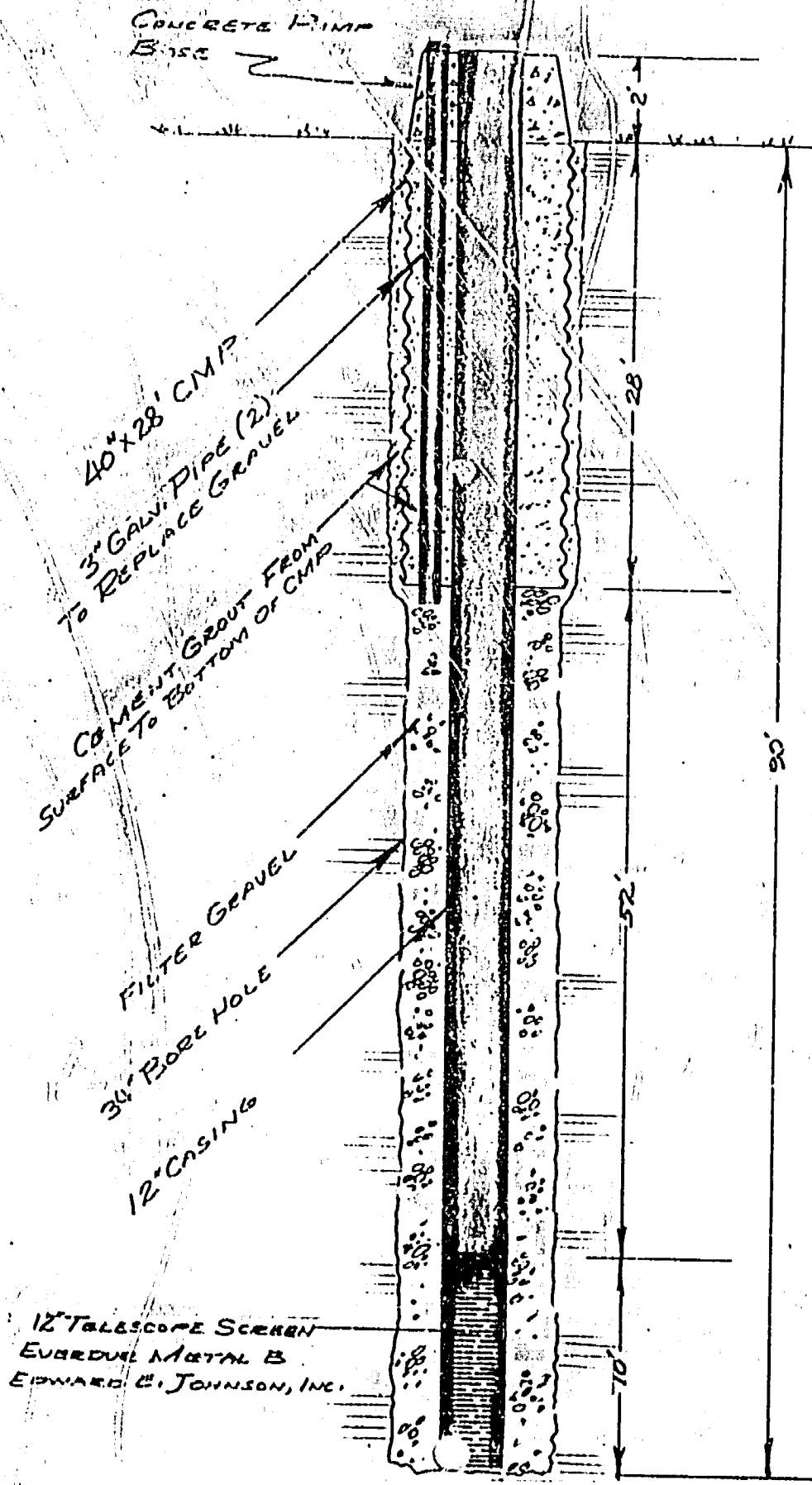
Capacity #4 - 45 gpm #4 - 40' #4 - \$5700
 #5 - 25 gpm at drawdown of #5 - 5' Estimated cost #5 - 3500

(f) Owner of land upon which well is located CITY OF BOYDLE Name

Address

(g) Distance to nearest existing wells

On same owner's property #4 - 17 #5 - 50 rods, On property owned by others x rods



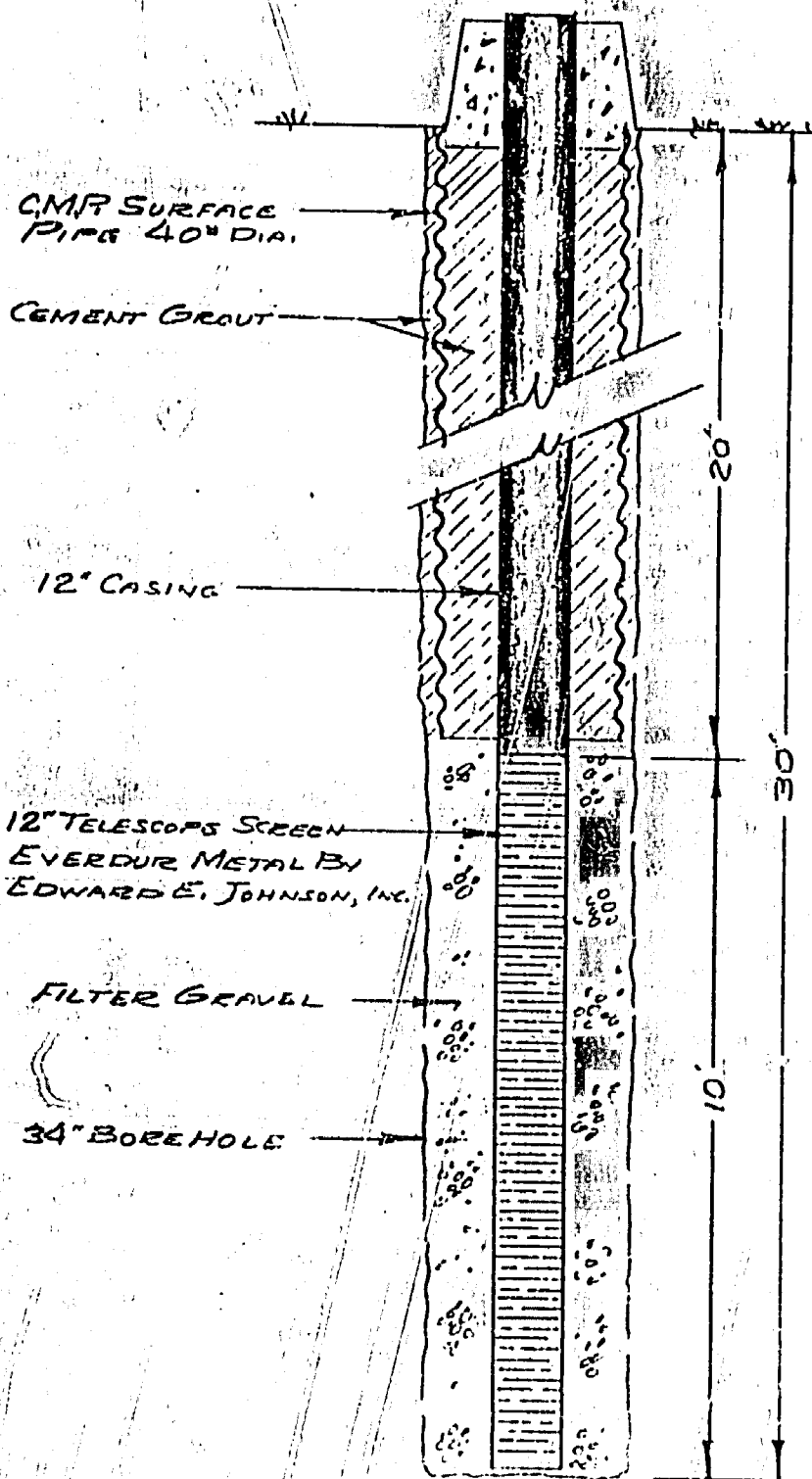
BOWDLE WELL No. 4
BOWDLE, S. DAK.
"AS CONSTRUCTED"

WELL COMPLETED
 21 NOV. 1960 BY
 CARYL LARSON
 (CONTRACTOR)

PUMP TEST CAPACITY
 = 45 GPM.

WELL LOCATION:
 APPROX. 340' SOUTH AND
 240' WEST OF THE INTER-
 SECTION OF THE CENTER
 LINES OF NEWCOMBE ST.
 AND FIFTH ST.

BRADY ENGINEERING
 SPEARFISH, S. DAK.



BOWDLE WELL No 5
BOWDLE, S. DAK.
"AS CONSTRUCTED"

WELL COMPLETED NOV. 1960
 BY CARYL LATTOM, CONTRACTOR

WELL LOCATION:
 APPROX. 300' SOUTH AND
 65' WEST OF THE INTERSECTION
 OF THE CENTERLINES OF
 5TH ST. AND GUNDEBT ST.

BRADY ENGINEERING
 SIOUX FALLS, S. DAK.

Remarks by State Water Resources Commission:

STATE OF SOUTH DAKOTA

County of Hughes } ss.

Pierre, South Dakota, May 22, 1961

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

13th day of March, 1961.

State Water Resources Commission

By: Justin J. Jones
for Chief Engineer, Executive Officer

Number of permit 710-3

Date of first receipt of application March 13, 1961

Date of return to applicant for correction, amendments or changes required as follows: _____, 19____

Date of receipt of corrected application _____, 19____

Date from which applicant may claim right March 13, 1961

Approved May 10, 1961, Recorded in Book 6 Page 263

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 _____

November 10, 1961

2nd. The whole of said work is to be completed on or before May 10, 1962

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

May 10, 1962

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 .25 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, 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-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually used for municipal purposes

and beneficially applied for irrigation on or before May 10, 1962; said water to be used during the following described annual period:

Continuously

Witness my hand this 22nd day of May, 1961

State Water Resources Commission

By: Justin J. Jones
Chief Engineer, Executive Officer

Certificate of Construction Issued July 6, 1962

Water License Issued July 6, 1962

Permit No. 770-3

Water Division No. 3 MISSOURI Water District
RIVER

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Bards

of _____, County of Edmunds, and State of
South Dakota

the holder of Permit No. 770-3, issued upon Application
No. 770-3, bearing date of priority of March 13, 1961, authorizing the diversion of

.25 cu. ft. per second of the waters of ground water

County of Edmunds, State of South Dakota, at from two wells located

in the City limits in the SW 1/4, Section 21, T.123N, R. 73W.

for Municipal

purposes, has 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 .25 cu. ft.

per second of water; and that the ~~lands proposed to be irrigated~~ use of said water are described as follows,

to-wit: to be distributed through the City water system for municipal use.

Witness my hand this 6th day of July A. D. 1962

State Water Resources Commission

By:

Chief Engineer, Executive Officer
J.W. GRIMES

STATE OF SOUTH DAKOTA

WATER LICENSE No. 770-3

WHEREAS, On the 13th day of March A. D. 1961
the City of Rapid

~~xx~~ County of Edmunds and State of
South Dakota duly made application (No. 770-3) to us for a permit to use .25
cubic feet per second of the waters of ground water
County of Edmunds, State of South Dakota, for municipal
purposes; and

WHEREAS, On the 22nd day of May A. D. 1962
Permit No. 770-3 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 10th day of
May A. D. 1962 and for the application to beneficial use of said
water on or before the 10th day of May A. D. 1962
and,

WHEREAS, On the 8th day of June A. D. 1962
the holder... of said permit duly made proof of the completion of adequate works for the diversion of .25
cubic feet per second of said waters, as evidenced by our Certificate No. 770-3
dated July 6, 1962 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use .25 cubic feet per second of water, with date of
priority of March 13, 1961 and,

WHEREAS, On the 8th day of June A. D. 1962
proof was duly made of the application to beneficial use of .25 cubic feet per second of said water;
to be used for municipal purposes

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 Bowdle

~~of~~ the holder and owner of said permit No. 770-3

a water right, dating from March 13, 1961 to the use of .25

cubic feet per second of the waters of ground-water

in the County of Edmunds and State of South Dakota, or so much thereof as may be

necessary for the purposes hereinbelow mentioned, to be diverted ~~at~~ from two wells located within

the City limits on the SW 1/4, Section 21, T 123N, R 73W

and conducted ~~to and upon~~ through the City water system

for the purpose of municipal

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 6th day of July A. D. Nineteen
Hundred and sixty-two

State Water Resources Commission

By:

Chief Engineer, Executive Officer
J.W. GRIMES

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 _____

(PRA PUBLISHED) April 13, 61

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., April 11, 1961

Notice is hereby given that ~~The City of Bowdle~~ whose postoffice address is ~~xxxxxxx~~ 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 ~~25~~ cubic feet of water per second of time from the ~~ground water~~ through the ~~City Wells #4 and #5~~ the point of diversion of which ~~is~~ ^{are} to be located on the ~~bank of said stream~~ in the ~~1/4 of Sec. 52~~ ^{1/4 of Sec. 52} of Section ~~21~~ Twp. ~~123N~~ Range ~~73W~~. Said water to be used for the purpose of providing irrigation on the following described land: ~~xxxxxxxxxxxxxxxx~~

~~xxxxxxx~~ municipal supplies for the City of Bowdle

and for ~~xxxxxxx~~ ~~xxxxxxx~~

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the ~~1st~~ day of ~~May~~, 19 ~~61~~, at ~~2 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.

CO: Dale R. Louis O Publisher
Bowdle Pioneer
Bowdle, South Dakota

State Water Resources Commission

By:

Chief Engineer, Executive Officer
~~xxxxxxx~~
BURTON F. JONES
Water Right Specialist

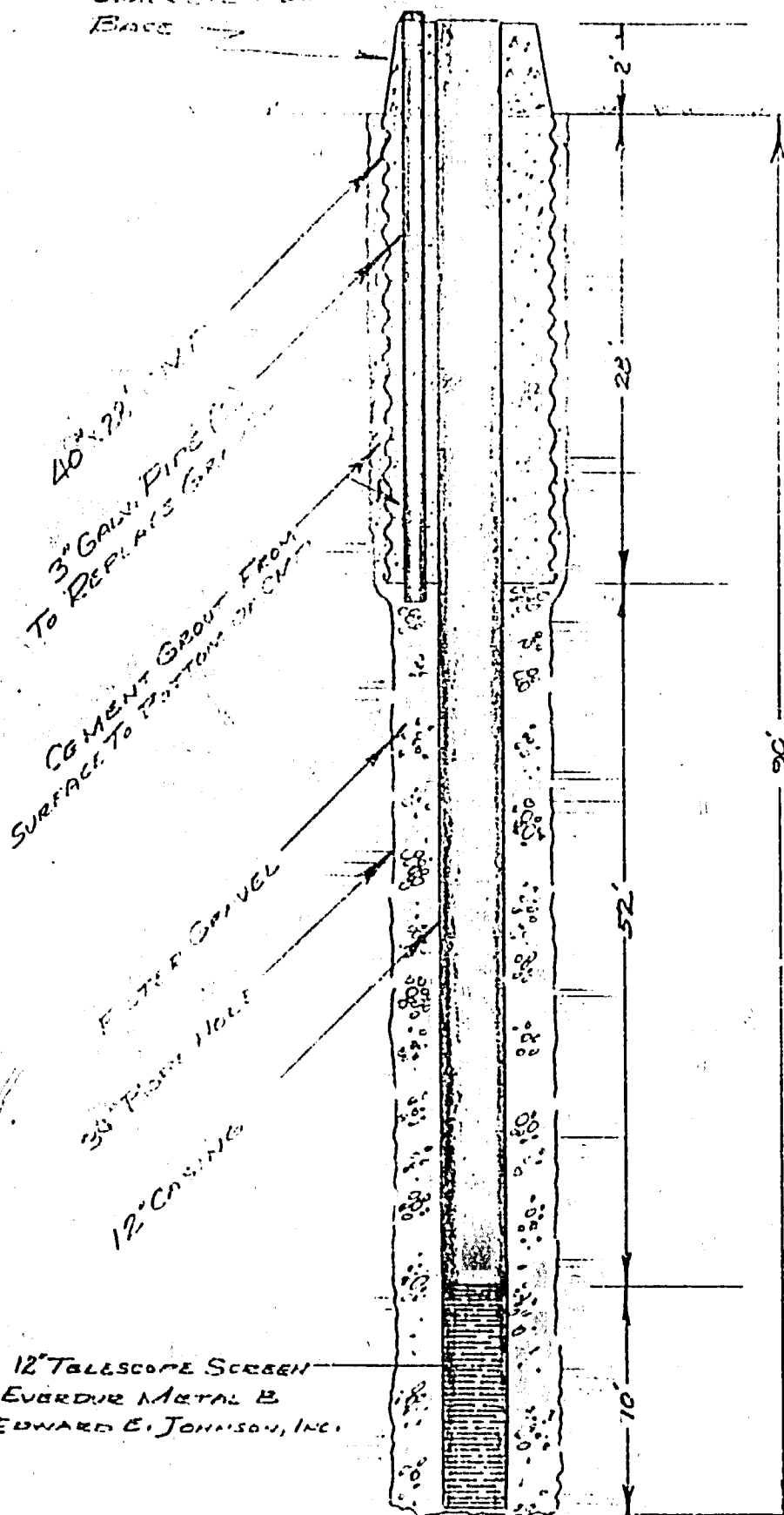
PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
County Edmunds } ss.Dale R Lewis being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from theBowdle Pioneer 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 Bowdle County of Edmunds and State of South Dakota; that the said notice was published in said newspaper on the following dates:April 13, 1961
April 20, 1961
April 27, 1961in each and every issue of the full number thereof, the first publication being made on the 13 day of April 1961 and the last publication on the 27 day of April 1961, 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^X of the said newspaper.Dale R LewisSubscribed and sworn to before me this 19 day of May A. D. 1961Notary Public Edmunds County, S. D.

APPROPRIATION OF WATER

Office of State Water Resources Commission
Pierre, S. Dak., April 4, 1961
Notice is hereby given that The City of Bowdle, 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 25 cubic feet of water per second of time from ground water through the City wells No. 4 and No. 5, the point of diversion of which are to be located in the SE 1 of Section 21, Twp. 123N, Range 73W. Said water to be used for the purpose of providing municipal supplies for the City of Bowdle.
This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 10th day of May, 1961 at 2 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 all or all information presented.
State Water Resources Commission
By: BURTON F. JONES
Water Right SpecialistRECEIVED
MAY 22 1961STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Concrete Pump
Base



BOWLE Well No 4
BOWLE, S. DAK.
"AS CONSTRUCTED"

WELL COMPLETED
21 Nov. 1960 BY
CARYL LARSON
(CONTRACTOR)

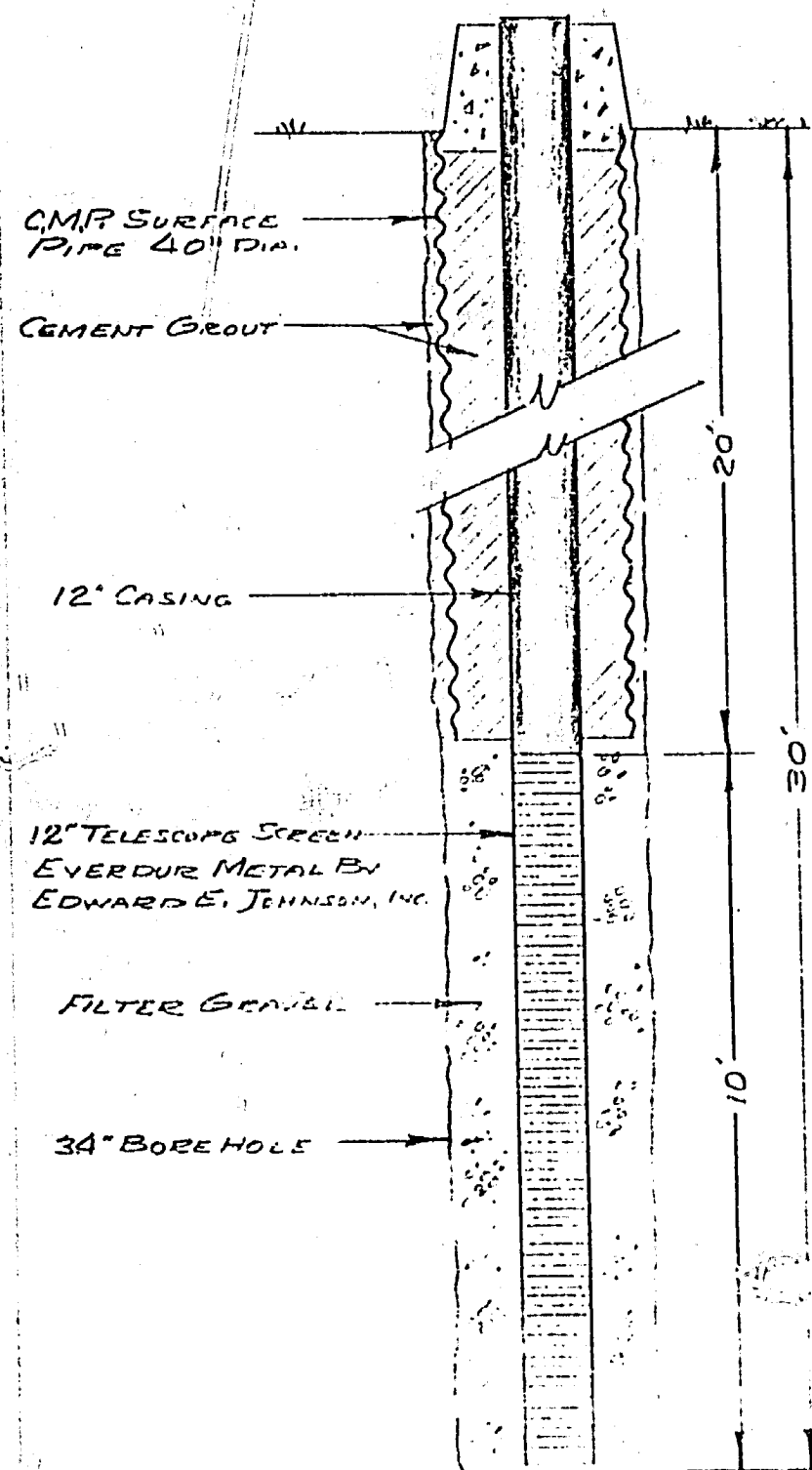
PUMP TEST CAPACITY
= 45 GPM.

WELL LOCATION:
APPROX. 340' SOUTH AND
240' WEST OF THE INTER-
SECTION OF THE CENTER
LINES OF NEWCOMBE ST.
AND 5TH ST.

OR
275 feet due South
from Well No 3

12" TELESCOPE SCREEN
EVERDUR METAL B
EDWARD E. JOHNSON, INC.

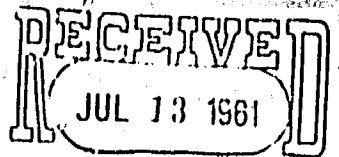
BRADY ENGINEERING
SPEARFISH, S. DAK.



BOWDLE WELL No 5
BOWDLE, S. DAK.
"AS CONSTRUCTED"

WELL COMPLETED NOV. 1960
 BY CARL LARSON, CONTRACTOR

WELL LOCATION:
 APPROX. 300' SOUTH AND
 66' WEST OF THE INTERSECTION
 OF THE CENTERLINES OF
 5TH ST. AND GUNDET ST.

Permit No. 770 -3STATE WATER RESOURCES COMM.
PIERRE SOUTH DAKOTAWater Division No. 3 Missouri River 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.) Bowdle, South Dakota(Date) July 10, 1961TO 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 Well # 4 - 0.15 & Well # 5 - 0.10 ^{Total 0.25} cu. ft. per second of the waters of the state from All year through the Municipal for Municipal Water Supply purposes in accordance with the terms and conditions of a certain permit heretofore issued by the Water Resources Commission of the State of South Dakota.

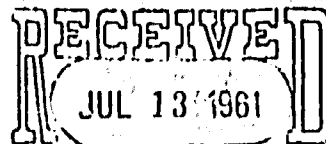
1. The name of the person or corporation holding said permit is City of Bowdle
Bowdle, South Dakota
2. The postoffice address of such person or the place of business of such corporation is Bowdle
County of Edmunds State of South Dakota
3. The number of such permit is 770 - 3 and the date set for the completion of such work is Well # 4 completed on above date and Well # 5 on the arrival of Pump due any day.
4. Said water to be used for Municipal Water Supply 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 0.25 cubic feet per second.
6. The amount of land for which said water is available is City limits of Bowdle acres, particularly described as follows:

Remarks: Due to trouble with pump did not know when it would come, and when it did finally come Mr Caryl Larsen driller come right out with it and installed it on July 10th and pumped for about 3 hrs and samples delivered to Health Department at Pierre for test for purity and when test came back well started due to emergency of water supply. Well # 5 the pump has not arrived yet but should be here within 10 days.
I hereby certify that the facts set forth in the above notice are true.

City of Bowdle, Bowdle, South Dakota

(Signature of Corporation)

City Auditor

Permit No. 770-3Water Division No. 3 Missouri River Water District

STATE WATER RESOURCES COMM.

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.) Bowdle, South Dakota(Date) July 10, 1961

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

DEAR SIR: Notice is hereby given that on the 10th day of July 1961, at Bowdle County of Edmunds State of South Dakota, before Brady Engineering Co., Spearfish S.D. proof will be submitted of the application to beneficial use (Examining Engineer or Officer) of #4-0.15 #5-0.10 cubic feet per second of the waters of Municipal Water Supply for City of Bowdle in accordance with the terms and conditions of Permit No. 770-3 heretofore issued by the Water Resources Commission of South Dakota.

- The name and postoffice address of the person or corporation holding said permit are City of Bowdle, Bowdle S. Dak.
- The use to which said water has been applied is Municipal Water Supply
- The amount applied to beneficial use is Total 0.25
- The place where said water is used is (if for irrigation, give full and accurate description of the lands irrigated) Municipal Water Supply
- The name of the canal or ditch or other works by which said water is conducted to such place of use is water mains to water tower
- The right to take the water from such works is based upon permit No. 770-3
- The source of supply from which such water is diverted is Well No 4 and Well # 5
- The date of priority which said user is prepared to establish is _____

City of Bowdle, Bowdle S. Dak.
(Sign) [Signature]
City Auditor

Permit No. 770-3Water Division No. 3 Mo. 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 City
of Baudle, of _____
Edmunds County, South Dakota, holder of Permit No. 770-3, issued
 upon Application No. 770-3, bearing date of priority of 3-16, 1961, authorizing the
 diversion of 5-0.15 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: Two wells #4 & #5 as specified on attached
"As Built" sheets. Well #5, has a Dempster Pump, Mod. # DT-42, w/
5 H.P. 3 phase, voltage 220, 3 stage 10" turbine bowl type, with a
two inch pipe. Well #4 has a Fairbanks Morse
Pump, 1760 R.P.M., # FA19746, Spec. # T1A28-1. Run by 5 H.P. 3 phase, 60 cycle
220-440 volt electric vertical hollow shaft motor, 1750 R.P.M.
 and the system is in the following condition:

Excellent

The point of diversion is located #4 @ 340' S. & 240' W. of intersection of the E's
of Newcombe St. & Fifth St. #5. 300' S. & 66' W. of intersection of the
E's of 5th & Gundred St. #4-350 R.P.M.

The works are capable of diverting and conveying to the place of use 5.00 CFS 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 Municipal needs, Fire protection etc.

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

Witness my hand, this 8th day of June, A. D. 1962.

—SEAL—

William H. Miller
Examining Engineer.

Water Rights Division
605 773-3352

May 1, 1983

704-3
770-3

City of Bowdle
Bowdle SD 57428

Dear Sir:

In checking our records it has been discovered the City of Bowdle's water rights do not cover all of the wells used for municipal purposes.

Water Rights No. 704-3 for wells #1, #2 & #3 located in Block 1, Schmidtgal First Addition, Section 28, T123N, R73W.

Water Right No. 770-3 for wells #4 and #5 located in SW¼ Section 21, T123N, R73W.

Enclosed are our forms and instructions to make application. If you have any questions feel free to contact this office.

Sincerely,

BETTY WESTLUND
Water Rights Specialist

BW:ks

enclosures

10-12

Permit No.

5314-3

(JLL Inc.
704-3 ~ 770-3)

770-3

Water District

Report Of Examination Of Works And/Or Application Of Water To Beneficial Use

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

I have this day made a thorough examination of the water use system constructed by City of Bowdle

Robert Drake, Mayor of P.O. Box 553, Bowdle, SD 57248 holder of

Permit No. 770-3 bearing the priority of 704-3 19 authorizing

the diversion of 10 cu. ft. per second of the waters of ground water

for municipal purposes, in Edmunds County.

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

A. Works used to divert the water: seven wells:

well #1 - total depth (td) - 102' - 20 gpm
well #4 - td - 90' - 25 gpm
well #5 - td - 30' - 20 gpm

well #6 - td - 105' - 35 gpm
well #7 - td - 38' - 70 gpm
well #8 - td - 30' - 30 gpm
well #9 - td - 40' - 70 gpm
well #10 - td - 30' - 30 gpm

well #4 - Fairbanks
morse pump - 5 hp
Induction Motor
Type K2Kv
No. f419746

B. Works used to transport water to place of use: sorted pipeline to water tower

Remainder of wells have submersible pumps
Well Nos. 6 - 10 have Jacuzzi Submersible pumps

C. Works used to apply water to beneficial use: individual hookups to users within city

** 704-3 priority - 1944, 1947, and 1951 for
0.16 cfs
770-3 priority - March 13, 1961 - 0.25 cfs

The system is in the following condition good

The point of diversion is located well # 1 - NW 1/4 SEC. 21; # 4 - NW 1/4 NE 1/4 SEC. 28
5 - NE 1/4 NW 1/4 SEC. 28 # 6 - SW 1/4 NW 1/4 SEC. 27 # 7 - # 10 - NE 1/4 SW 1/4 SEC. 21; all in T123N-R73W

The works are capable of diverting and conveying to the place of use 300 gpm - 0.67 cfs
cu. ft. per second of water which is to be used for municipal purposes

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

comprising a total of 10 acres of land and the license should be issued for 0.67 cfs

Applicable permit qualifications have been complied with Yes No

Exceptions to compliance are: Date May 25, 1988

(signature)

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Harlan Kopecky **File Nos:** 770-3, 5317-3

Address: City of Bowdle, 8001 W. 5th Street, Bowdle, SD 57428-0553

County: Edmunds

Date: August 28, 2000

Telephone: (605) 285-6350

RE: Status of the permits for the City of Bowdle

Comments: I talked to Harlan Kopecky of the City of Bowdle. Harlan is the Sewer and Water Superintendent for the City of Bowdle. He started working for the City of Bowdle about three years ago. Harlan told me that a new finance officer started with the city about the same time he started with the city. I told him that at one point in time that the city had 10 wells that it was using. He told me that the city has been on WEB water for about three years now. I asked Harlan if the city had any intentions of going back to using the wells. He told me that the city did not plan on going back to the wells. The city went to WEB water because of the drinking water rules and regulations. I asked Harlan if the city is going to use the water from the wells for fire protection purposes. He told me that the city has approximately 75,000 gallons of water in underground storage tanks. This water along with the water in city water towers and another storage place have a total capacity of approximately 125,000 – 175,000 gallons of water. Harlan told that one well is used for the parks. One well has been shut off. I told Harlan that I would be sending him the law on plugging of wells and the exceptions to nonuse of water. I also told Harlan that I would be sending him a copy of a map with the wells on it. He can then show me which wells are being used from the map and what they are being used for. Harlan asked me if there is a law about plugging wells. I told him yes there is and that is one of the things that I would be sending him. He asked me what is all involved in plugging a well. I told him that I thought that the well is filled with cement when it is plugged. I told him to contact a license well driller for all the details for plugging a well.

Stacy J. Johnson

Stacy J. Johnson

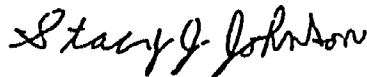
Natural Resources Engineer

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Harlan Kopecky **File Nos.** 770-3, 5317-3
Address: City of Bowdle, 8001 W. 5th Street, Bowdle, SD 57428-0553 **County:** Edmunds
Date: May 17, 2001 **Telephone:** (605) 285-6350
RE: Status of the permits for the City of Bowdle

Comments: I talked to Harlan Kopecky of the City of Bowdle. Harlan is the Sewer and Water Superintendent for the City of Bowdle. I asked him about the status of the City of Bowdle wells. He told me that the wells that are not being used for back up need to be plugged yet. The city has one well that is shut off but would be used for emergency and fire protection use. One well is used by the city to water the grass for a park. It sounds like some of the wells are already plugged. When I do my inspection I need to find out what was used to plug these wells. Harlan also expressed concern about plugging one well might cause another well not to work. I told him I would call and let him know when I could come and do an inspection and get things squared away.



Stacy J. Johnson
Natural Resources Project Engineer

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Harlan Kopecky **File Nos.** 704-3, 704A-3, 770-3 5317-3
Address: City of Bowdle, 8001 W. 5th Street, Bowdle, SD 57428-0553 **County:** Edmunds
Date: July 16, 2001 **Telephone:** (605) 285-6350
RE: Status of the permits for the City of Bowdle

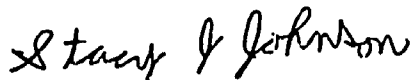
Comments: I talked to Harlan Kopecky of the City of Bowdle. Harlan is the Sewer and Water Superintendent for the City of Bowdle. Harlan wanted to know which wells went with what permit. Since the city is using two wells for back up that we would just be looking at two permits. I told him that I had told him wrong about the wells the city uses for lawn watering not needing permits. The less than 18 gallons per minute (gpm) would only apply if the whole water distribution system for the city were under 18 gpm. I told him that I have included the lawn watering wells in my inspection report. I also told him that at the end of my report I state what each well is used for.

Harlan told me that Well #3 is plugged. He also told me that Wells #4, #7, & #8 will be plugged.

I asked him if the city wants to keep its future use permit. I told him that I send him a letter in regards to this dated June 21, 2001. I told him that future use permit allows the city to use water in the future if the need arises and they have unappropriated water available to them. I told him if the city decided to develop its future use permit that they would have to apply for a water permit application. I explained the application process and the processes that come after that to him. I told him that the city has a future use permit for 96 acre-feet (ac-ft) right now. He was not sure if the city would have a use for this permit in the future or not.

Harlan told me that it is not cost effective for the city to drill new wells because of all the treatment that they would have to do to the water so that they could actually use it.

Harlan and I talked about the water permit application fee discussed in SDCL 46-2-13 (2). I told him that I believed that there is a cost for the future use permit. I told him that I did not know the cost for the city but I would do some checking and get back to him.



Stacy J. Johnson
Natural Resources Project Engineer

Permit Nos. 704B-3, 770-3, & 5317-3
Missouri River - Water District

Other permit/license(s) associated with project: 704A-3

Contact Person & Address: Harlan Kopecky, City of Bowdle, 8001 W 5th Street, Bowdle, SD 57428-0553

Report Of Examination Of Works

On, June 6, 2001, I made a thorough examination of the water use system constructed by the City of Bowdle of 8001 W 5th Street, Bowdle, SD 57428-0553 holder of Permit No. 704B-3, bearing the priority of January 1, 1944, January 1, 1947 and January 1, 1951 authorizing the diversion of 0.16 cubic feet of water per second (cfs) and Permit No. 770-3, bearing the priority of March 13, 1961, authorizing the diversion of 0.25 cfs and Permit No. 5317-3, bearing the priority of March 16, 1989, authorizing the diversion of 0.52 cfs for Emergency Standby Municipal Use purposes in Edmunds County.

The system is in the following condition: good. The points of diversion are located as follows:

Well #1: from the SE corner of Section 21 T123N-R73W it is 1421 feet west and 1740 feet north with a longitude of -99.652583 and a latitude of 45.4532080

Well #5: from the NE corner of Section 28 T123N-R73W it is 3260 feet west and 360 feet south with a longitude of -99.659627 and a latitude of 45.447641

Well #6: from the NE corner of Section 28 T123N-R73W it is 2646 feet south and 75 feet west with a longitude of -99.647301 and a latitude of 45.4412960

Well #9: from the NE corner of Section 21 T123N-R73W it is 3600 feet south and 2800 feet west with a longitude of -99.658123 and a latitude of 45.453135

Well #10: from the NE corner of Section 21 T123N-R73W it is 3470 feet south and 2800 feet west with a longitude of -99.657932 and a latitude of 45.453585

The works are capable of diverting and conveying to the place of use 0.39 cfs to be used for Emergency Standby Municipal Use purposes.

Review of Permit Qualifications And Regulations:

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period n/a
- 4) Exceptions to compliance are: none

Report On the Specifics of the System

Diversion Point Information: Well #1

- | | |
|---------------------------------------|------------------------------------|
| 1) Well Drilling Firm: <u>Unknown</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>102</u> feet | 4) Well log is available <u>no</u> |

Casing:

- 1) Diameter 12 inches
- 2) Length 90 feet
- 3) Type Steel

Screen:

- 1) Type Brass
- 2) Length 12 feet
- 3) Static water level 90 feet

Pump\ Motor:

- 1) Pump Make Pamona-Fairbanks Morse
- 2) Pump Model Submersible
- 3) Capacity 25 GPM
- 4) Motor Make Jacuzzi
- 5) Motor Model No. Submersible
- 6) Horsepower rating 5 hp

Distribution System:

- 1) Type Steel
- 2) Size 4 to 6 inches
- 3) Length unknown feet

Diversion Point Information: Well #5

- 1) Well Drilling Firm; unknown
- 2) No. of Wells 1
- 3) Depth(s) 30 feet
- 4) Well log is available no

Casing:

- 1) Diameter 12 inches
- 2) Length 20 feet
- 3) Type Steel

Screen:

- 1) Type Everdur Metal
- 2) Length 10 feet
- 3) Static water level 20 feet

Pump\ Motor:

- 1) Pump Make Jacuzzi
- 2) Pump Model Submersible
- 3) Capacity 20 GPM
- 4) Motor Make Jacuzzi
- 5) Motor Model No. unknown
- 6) Horsepower rating unknown hp

Distribution System:

- 1) Type unknown
- 2) Size unknown inches
- 3) Length unknown feet

Diversion Point Information: Well #6

- 1) Well Drilling Firm; Independent Drilling
- 2) No. of Wells 1
- 3) Depth(s) 105 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 12 inches
- 2) Length 94 feet
- 3) Type Stainless Steel

Screen:

- 1) Type Stainless Steel
- 2) Length 14 feet
- 3) Static water level 45 feet

Pump\ Motor:

- 1) Pump Make Jacuzzi
- 2) Pump Model Submersible
- 3) Capacity 35 GPM
- 4) Motor Make Jacuzzi
- 5) Motor Model No. Submersible
- 6) Horsepower rating unkown hp

Distribution System:

- 1) Type Plastic
- 2) Size 4 inches
- 3) Length 3533 feet

Diversion Point Information: Well #9

- 1) Well Drilling Firm: Dakota Boring Company
- 2) No. of Wells 1
- 3) Depth(s) 36 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 16 inches
- 2) Length 36 feet
- 3) Type PVC

Screen:

- 1) Type Slotted PVC
- 2) Length unknown feet
- 3) Static water level unknown feet

Pump\ Motor:

- 1) Pump Make Jacuzzi
- 2) Pump Model Submersible
- 3) Capacity 70 GPM
- 4) Motor Make Jacuzzi
- 5) Motor Model No. Submersible
- 6) Horsepower rating unkown hp

Distribution System:

- 1) Type unknown
- 2) Size unknown inches
- 3) Length unknown feet

Diversion Point Information: Well #10

- 1) Well Drilling Firm: Dakota Boring Company 2) No. of Wells 1
3) Depth(s) 31 feet 4) Well log is available yes

Casing:

- 1) Diameter 16 inches 2) Length 31 feet
3) Type PVC

Screen:

- 1) Type Slotted PVC 2) Length unknown feet
3) Static water level 13 feet

Pump\ Motor:

- 1) Pump Make Jacuzzi 2) Pump Model Submersible
3) Capacity 30 GPM 4) Motor Make Jacuzzi
5) Motor Model No. Submersible 6) Horsepower rating unknown hp

Distribution System:

- 1) Type unknown 2) Size unknown inches 3) Length unknown feet

COMMENTS: The City of Bowdle is hooked up to WEB water. Wells #1 and #6 will be used for emergency and back up purposes only. Well #5 is used by the hospital to water its lawn. Wells #9 & 10 are used by the city to water park lawns. Wells #2, and #3 have been plugged. Wells #4, 7 & 8 will be plugged.

Vested Right No. 704B-3 should be reissued for 0.16 cfs from Well #1, 5 and 6 with priority dates of January 1, 1944 (0.05 cfs), January 1, 1947 (0.04 cfs) and January 1, 1951 (0.07 cfs).

Water Right No. 770-3 should be reissued for 0.23 cfs from Well # 9 and 10 with a priority date of March 13, 1961. The water appropriation authorized by Water Permit No. 5317-3 is no longer utilized by the City. The applicable portions of Water Permit No. 5317-3 should be incorporated into Water License No. 770-3.

Stacy J. Johnson
Stacy J. Johnson
Natural Resources Project Engineer
DENR, Water Rights Program

7-31-01
Date

STATE OF SOUTH DAKOTA
REISSUED WATER LICENSE NO. 770-3

(1) The City of Bowdle, 8001 W 5th St, Bowdle SD 57428 was issued Water License No. 770-3, July 6, 1962 for a water right to appropriate 0.25 cubic feet of water per second (cfs) from groundwater (two wells), Edmunds County, South Dakota for municipal use purposes. Permit No. 770-3 authorizes a priority date of March 13, 1961. Construction of the described water supply system and application of water to beneficial use has been completed and complies with applicable provisions of South Dakota State Law.

On June 6, 2001, an investigation of the water use system was conducted to evaluate the extent of use. Water Right License No. 770-3 is being reissued based on that investigation. Total water usage under Water Permit No. 5317-3 and License No. 770-3 is within the 0.25 cfs appropriation authorized by No. 770-3.

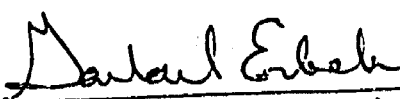
The applicable portions of Water Permit No. 5317-3 have been incorporated into Water License No. 770-3 with a priority date of March 13, 1961 as authorized under No. 770-3.

(2) It is certified that the permit holder 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 0.23 cubic feet of water per second for beneficial use. The location of the diversion points are:

Well #9 – 3,600 feet south and 2,800 feet west of the NE corner of Section 21 (NE ¼ SW ¼);
Well #10 – 3,470 feet south and 2,800 feet west of the NE corner of Section 21 (NE ¼ SW ¼);
all in T123N-R73W

The City of Bowdle is served water by WEB. Well #9 and #10 are maintained for lawn watering.

(3) Pursuant to South Dakota Water Law 46-5-30.1 City of Bowdle, 8001 W 5th St, Bowdle SD 57428 the holder and/or owner of Incorporated Water Right No. 770-3 is issued a license to appropriate water, the right to use 0.23 cubic feet of water per second from groundwater (two wells) with a priority date of March 13, 1961 from the location specified in (2) of this license. The water is for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Right No. 770-3 and subject to South Dakota State Law.



GARLAND ERBELE, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 13 2001

date



770-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

Harlan Kopecky, Water Superintendent
City of Bowdle
8001 W 5th St
Bowdle SD 57428-0558

Dear Mr. Kopecky:

Enclosed are Future Use Water Permit No. 704A-3, Reissued Water License Nos. 704B-3 and 770-3 for the City of Bowdle and receipt for payment of license fee for No. 5317-3. The water licenses are being reissued based on an investigation of the water use system.

Future Use Permit No. 704A-3 – reserves 96 acre-feet of groundwater (Bowdle-Edmunds Aquifer) located in the SE ¼ Section 21-T123N-R73W to provide future municipal supplies to the City of Bowdle with a priority date of March 19, 1960.

Vested Water Right No. 704B-3 – authorizing diversion of 0.16 cfs from three wells located in the S ½ Section 21 and NE ¼ NW ¼ & NE ¼ SE ¼ Section 28; all in T123N-R73W with priority date of January 1, 1944, January 1, 1947 and January 1, 1951.

Water Right No. 770-3 – authorizing diversion of 0.23 cfs from two wells located in the NE ¼ SW ¼ Section 21-T123N-R73W with priority date of March 13, 1961.

The applicable portions of Permit No. 5317-3 have been incorporated into Water License No. 770-3.

As long as the City of Bowdle uses the water beneficially as stated in the licenses, the City has a continuing right to use of the water. If you have any questions, please contact this office.

Sincerely,

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

enclosures

Section 21 T123N-R73W

Well #1 from the SE corner it is 1421 feet west and
1740 feet north

Well #9 from the NE corner it is 3600 feet south
and 2800 feet west

Well #10 from the NE corner it is 3470 feet south
and 2800 feet west



Well #10

Well #9

Well #1

0.4

0

0.4 Miles

Stacy J Johnson 7-10-01
Stacy J Johnson
Natural Resources Engineer
SD DENR Water Rights Program

770-3

Well #5

Well #6

Section 28 T123N-R73W

Well #5 from the NE corner it is 3260 feet west
and 360 feet south

Well #6 from the NE corner it is 2646 feet south
and 75 feet west

0.4

0

0.4 Miles

Stacy J Johnson 7-10-01
Stacy J Johnson
Natural Resources Engineer
SD DENR Water Rights Program

770-3