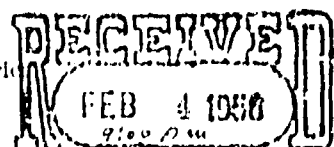


No. 147-3Water Division No. 3 Vermillion River District
(Blanks to be filled by the Engineer for the W. R. C.)

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 Vermillion
 Postoffice address 25 Center Street, County Clay, State South Dak.

- 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)
The well located on Lot 5, Block 15, was drilled in 1935
The well located on Lot 3, Block 2, was drilled in 1945

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

2. Name of diversion work City of Vermillion Water System
 3. Amount of water claimed 1200 gpm cubic feet per second 160 cfs
 4. Source of water supply Wells
 5. Location of point of diversion See Map
 _____ on _____ bank _____ County.
 6. Annual period or periods during which water is to be used All Year
 7. To be used for:

- I. Irrigation or domestic use; Gravity, overhead sprinkling or combination system? Force System

(a) Number of acres to be irrigated None acres.(b) Legal subdivisions to be irrigated None

(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.) This water is used for domestic use in the City water system

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

(a) Nature of use Fire Protection and Public Recreation
 Name any of the above uses claimed(b) Amount of power to be generated None 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 _____

8. Estimated cost of work:

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

(b) Pumping plant, \$.....

(c) Plumbing, \$.....

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

Rock, \$.....

(e) Other structures \$.....

Total, \$.....

9. Description of diversion works:

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 filledacre feet. Surface area at highwater mark.....acres.

DEPTH AT OUTLET-FEET	SURFACE AREA AT EACH.....FEET DEPTH AT OUTLET--ACRES	ACRE-FEET CAPACITY

(c)* Head gate: Width.....feet; heightfeet; Material

(d) Canal: Total lengthmiles.

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 Completed.....years.

11. Time required for complete application of water the proposed beneficial use Now being used..... years.

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

STATE OF SOUTH DAKOTA

County of Beauregard } ss.

I, John A. Webb, 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 John A. Webb

Subscribed and sworn to before me this 30 day of January 1915.

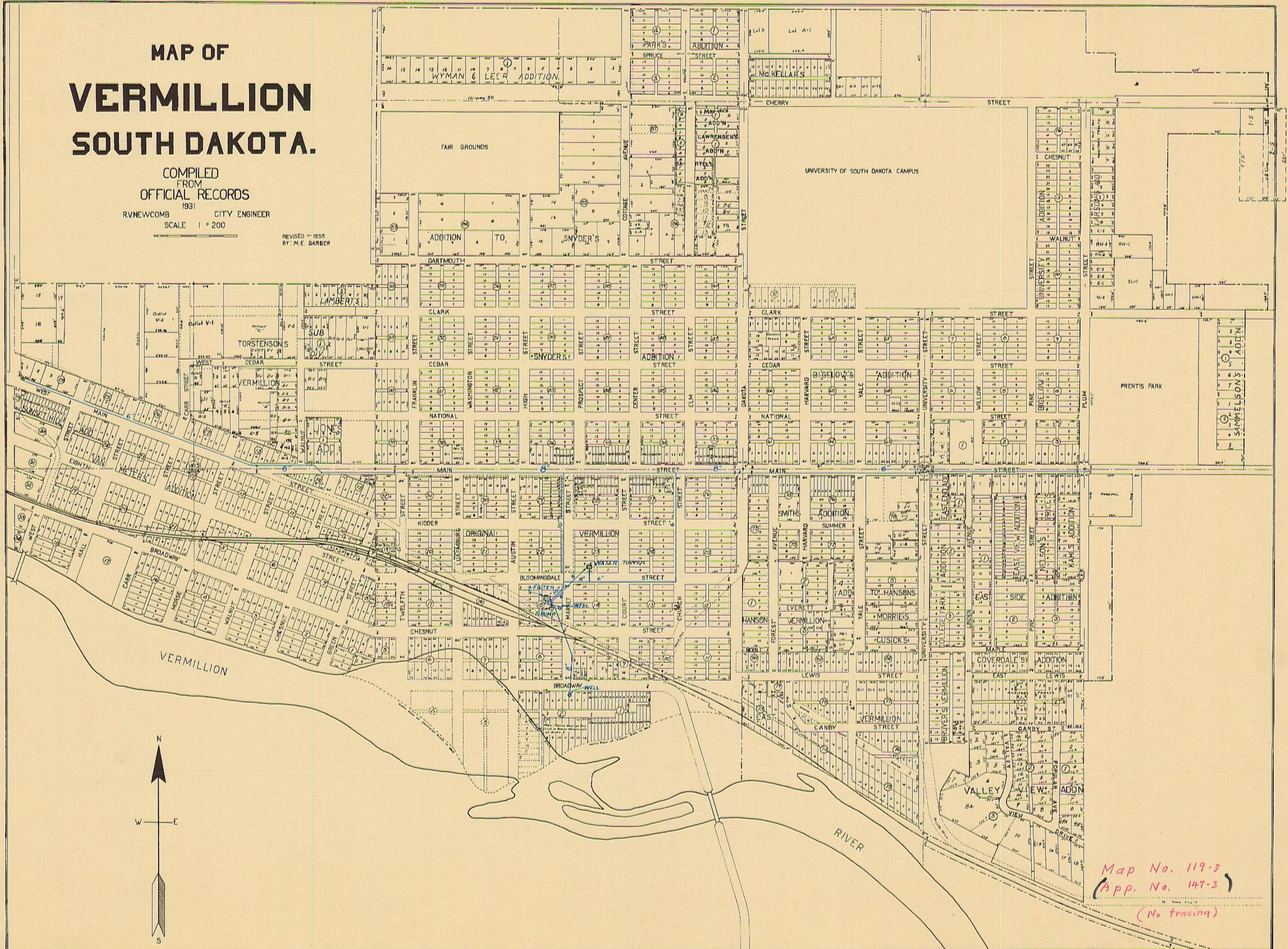
John A. Webb
Notary Public (or other qualified officer.)

MAP OF VERMILLION SOUTH DAKOTA.

COMPILED
FROM
OFFICIAL RECORDS
1931

RVNEWCOMB CITY ENGINEER
SCALE 1" = 200'

REVISED - 1955
BY M.E. BARBER



Map No. 119-3
(App. No. 147-3)
(No tracing)

Remarks by State Water Resources Commission:

Went to Right

STATE OF SOUTH DAKOTA

County of Hughes } ss.

Pierre, South Dakota, Feb 4, 1956

This is to certify that the foregoing application was received by the Commission at 7:30 o'clock
10 m. upon the 4 day of Feb, 1956.

State Water Resources Commission

By: J. C. Criner
 Chief Engineer, Executive Officer

Number of permit 1473

Date of first receipt of application Feb 4, 1956

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 1935 (1.43 cfs.) - 1945 (1.75 cfs.), 19____

Approved Mar 29, 1956, Recorded in Book 3 Page 112

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, nowever, 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 completed, 19____

2nd. The whole of said work is to be completed on or before Completed, 19____

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

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

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 2.66 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 and beneficially applied for irrigation on or before _____, 19____; said water to be used during the following described annual period:

continuously

Witness my hand this 29 day of March, 1956.

State Water Resources Commission

J. C. Criner
 Chief Engineer, Executive Officer

Certificate of Construction Issued March 30, 1956.

Water License Issued March 30, 1956.

9. (continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 12",
Well on Lot 3, Blk. 2, Original Vermillion-100 feet
Depth Well on Lot 5, Blk. 15, Original Vermillion-110 feet

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

Size of casing 12 inches, Thickness of casing 175 inches
Length of casing 110 feet. If collection gallery,
length, size, and depth of gallery _____.

(b) Screens

Type of perforated screen Johnson

Size of perforated screen 12 inches, 12 feet
(diameter) (length)

Thickness of gravel pack None, length of gravel
pack _____.

(c) Water Bearing Materials

Distance to water 20 feet.

Character of water bearing materials Medium and
small pebbles; Granule, very coarse, medium,
fine and very fine sand.

Thickness of water bearing material 50 feet Est.

(d) Pump and Motor

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

Name of pump Perona, size 600 gpm

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

Horsepower 20 HP

Name of motor _____

(e) Complete well

Capacity 600 gpm each at drawdown of 20 feet
each well

Estimated cost \$3,600.00

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

Vermillion, 25 Center St., Vermillion, S. Dak.
Address

(g) Distance to nearest existing wells

On same Owner's property 17 rods

On property owned by others Unknown rods

STATE OF SOUTH DAKOTA

WATER LICENSE No. 147-3

WHEREAS, On the 4th day of February A. D. 1956,

the City of Vermillion

of Vermillion County of Clay and State of South Dakota duly made application (No. 147-3) to us for ^{vested right} permit to use 2.66 cubic feet per second of the waters of ground water County of Clay, State of South Dakota for municipal purposes; and

WHEREAS, On the 27th day of March A. D. 1956, vested

right Permit No. 147-3 was issued to said applicant for the diversion of said water, and ^{recognizing} ~~providing~~ completion of the works of diversion therein described ~~XXXXXXXXXX~~ ^{XXXXXX} in 1935 and 1945 ~~XXXXXXXXXX~~ and ~~XXXXXX~~ application to beneficial use of said water ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ in 1935 and 1945 ~~XXXXXX~~ and,

WHEREAS, On the 4th day of February A. D. 1956 the holder of said permit duly made proof of the completion of adequate works for the diversion of 2.66 cubic feet per second of said waters, as evidenced by our Certificate No. 147-3 dated March 30, 1956 confirming the completion of works of sufficient capacity for diverting and conveying to the place of intended use 2.66 cubic feet per second of water, with date of priority of 1935 and 1945 ~~and~~.

WHEREAS, On the 4th day of February A. D. 1956 proof was duly made of the application to beneficial use of 2.66 cubic feet per second of said water; in and for the City of Vermillion municipal use.

(

)

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 Vermillion-----
of Vermillion, South Dakota, ----- the holder---- and owner---- of said permit No. -147-3-
a water right, dating from ---1935-(1.33-cfs)---and-1945-(1.33cfs)the use of -----3.66-----
cubic feet per second of the waters of -----ground water-----
in the County of -----Clay----- and State of South Dakota, or so much thereof as may be
necessary for the purposes hereinafter mentioned, to be diverted at -Lot-5,-Block-15-and-Lot-3,-
-Block-3,-City-of-Vermillion-----
and conducted to ~~xxxxxx~~ -----the residents of the City-----

for the purpose---- of -----domestic, industrial and similar municipal water uses.

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 ---30th--- day of -----March----- A. D. Nineteen
Hundred and Fifty-six-----

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. 147-3.

Water Division No. 3 Vermillion Water District

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Vermillion
of Vermillion, County of Clay, and State of South Dakota, the holder of Permit No. 147-3, issued upon Application No. 147-3, bearing date of priority of 1935 and 1945, authorizing the diversion of 2.66 cu. ft. per second of the waters of ground-water County of Clay, State of South Dakota, & on Lot 5, Block 15 and Lot 3, Block 2, City of Vermillion, for municipal water supply 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 2.66 cu. ft. per second of water; ~~that the lands proposed to be diverted by the use of xxxxxxxxx described as follows:~~
xxxx: for municipal use in the City of Vermillion.

Witness my hand this 30th day of March A. D. 1955

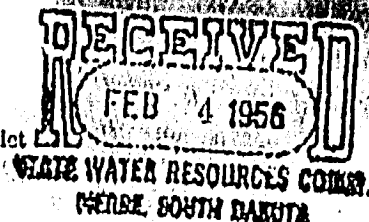
State Water Resources Commission

By:

J. W. Colmes, Chief Engineer, Executive Officer

Location No.

Water Division No. Water District



Proof of Application of Water to Beneficial Use

PETITION OF HOLDER

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

Ans. M. H. Jaramith, 25 Center St., Mayor of the City of Vermillion
Vermillion, 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.

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

Ans. Date and posting - January 30, 1956

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

Ans. Two wells - one located on Lot 5, Block 15, Original Vermillion
one located on Lot 3, Block 2, Original Vermillion

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.

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 for the City of Vermillion
Municipal water supply and a portion of the South
Dakota State University water supply with the possibility
of supplying all the water for the University in the
near future.

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

Ans. The water is used in the residences, business places, industries,
schools and the University of South Dakota.

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

Ans. 1,000 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.

Ans.

(Sign) Muzumil Magor

Witnesses. *[Signature]*

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 -----	

South Dakota Department of
Water & Natural Resources

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

JUN 13 1989

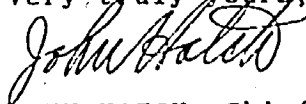
Betty Lynn, Mayor
City of Vermillion
25 Center St.
Vermillion SD 57069

Dear Mayor Lynn:

The Water Management Board has validated the enclosed Vested Water Right No. 147-3. 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 VESTED WATER RIGHT CLAIM NO. 147-3

Date Claim Accepted For Filing February 4, 1956.

Date of Validation May 10, 1989.

Pursuant to SDCL 46-2A-17 the Water Management Board validated Vested Water Right Claim No. 147-3 for the City of Vermillion, 25 Center St., Vermillion, South Dakota 57069 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 147-3 appropriates 1.33 cubic feet of water per second (cfs) from Well No. 1 approximately 110 feet deep and 1.33 cfs from Well No. 2 approximately 100 feet deep. Both wells are located in Section 24, T92N, R52W.

2. The appropriated water is used for supplying water for the City of Vermillion 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 dates of the Vested Water Right are: Well No. 1 - 1.33 cfs, January 1, 1935. Well No. 2 - 1.33 cfs, January 1, 1945.

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. Hatt
Chief Engineer.

Division of Water Rights

Dept. of Water and Natural Resources

JUN 13 1989

date

07-02

No. _____ (office use only)
Hydrologic Unit _____
Basin _____
Newspaper _____



147-3

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

Type of Application: New Vested Right (Use predates Mar 2, 1955) Future Use Reservation
(check one) Place to Beneficial Use Water Reserved by Future Use Permit No.
 ✓ Amendment/Correction to Permit No. 147-3

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

change diversion point

1. Name of Applicant City of Vermillion Phone 605-677-7050
(check one) ☒ Owner ☐ Tenant/Lessee
Mailing Address 25 Center St. State Vermillion, SD 57069
(Street, RR. or Box) (Zip Code)

2. Amount of water claimed 2.66 *CFS or **GPM ***AF
 (*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dyke/out or annual use if applicable)

3. Source of water supply Ground water well - Lower Vermillion Missouri, Aquifer

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 29 feet East and 1047
feet South of NW Corner of NE 1/4 section 24-T92N-R52W
County Clay

5. County or counties where water will be used Clay

6. Annual period during which water is to be used January 1 thru December 31

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed); Well No. 3 (One of two wells on water license No. 147-3) originally drilled in 1935 on Lot 5 Block 15. The City is requesting replacement of this well with a new well No. 3A.

STATE OF SOUTH DAKOTA) SS
County of Clay)

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

I, Harold Holoch, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Signed Harold Holah

Subscribed and sworn to before me this 2nd day of November 2000

Michael D. Lawrence

Notary Public

Comp exp 7-5-2005

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction *(Estimates)*

- Drill Hole Diameter 18 1/2" Depth 120 ft
- Casing Type PVC Diameter 12 in. Thickness Schedule 40
- Screen Type S.S. Hi-flow Diameter 12 in. Thickness
- Gravel Pack Thickness 3 in. Length of Gravel Pack 30 ft.
- Depth to Top of Water Bearing Material 50 ft.
- Depth to Water (ground surface to water level) 35 ft.
- Distance to nearest existing domestic well: Morse Well
C. F. Well #4
 On applicants property 400' On property owned by others 2000 ft.

2. Wastewater Disposal System Information

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

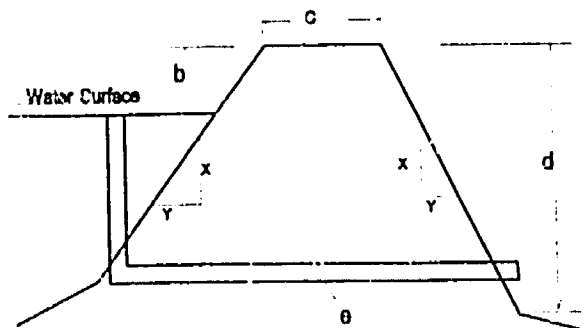
3. Dugout Information

- Surface Dimensions Depth
- Depth to water (ground surface to water level)

4. Water Storage Dams

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

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



- Freeboard
- Crest Width
Crest Length
- Height
- Primary Outlet Capacity
If pipe, diameter
- Secondary Spillway Capacity
Spillway Width
- X & Y Slope
Upstream
Downstream
- Surface Area of Impoundment
- Storage Acre Feet
- Drainage Area Above Dam Acres

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
WATER RIGHTS PROGRAM

January 3, 2001

RE: Request for a change of diversion points for Water Right Nos. 143-3 and 147-3, City of Vermillion

The City of Vermillion has submitted a request for a change of diversion points for Water Right Nos. 143-3 and 147-3. The city replaced the well authorized by Water Right No. 143-3 in 1996 and proposes to replace one of the wells authorized by Water Right No. 147-3 in the near future. SDCL 46-5-13.1 provides that a point of diversion may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Water Right No. 143-3 appropriates 1.78 cubic feet of water per second (cfs) from one well approximately 95 feet deep located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ (Lot 12, Block 16 of Original Vermillion) in Section 24, T92N, R52W. This well designated as well No. 1 was abandoned in 1996. A replacement well, designated as well No. 6 by the city, was drilled in 1996 to replace the well No. 1. This well is constructed to a depth of 94 feet and is located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24, T92N, R52W. The new well is located approximately 1,560 feet east of the original well.

Water Right No. 147-3 appropriates 2.66 cfs from two wells located in the E $\frac{1}{2}$ NW $\frac{1}{4}$ in Section 24, T92N, R52W. The well designated as well No. 3 is scheduled to be replaced. The original well was constructed in 1935 and is located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 24, T92N, R52W. A replacement well, to be designated as well No. 3A by the city, was drilled in 1996 to replace the well No. 1. This well is proposed to be constructed to a depth of 120 feet and will be located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 24, T92N, R52W. The new well is located approximately 100 feet east of the original well.

The city of Vermillion has requested authorization for these two replacement wells mentioned above. No additional appropriation of water is requested. The city states in their request that the source of water is the Lower Vermillion management unit of the Missouri Aquifer. However, the original wells and the replacement wells are designated by the Water Rights Program as being in the Elk Point Management Unit of the Missouri Aquifer. These replacement wells are considered to be from the same water source.

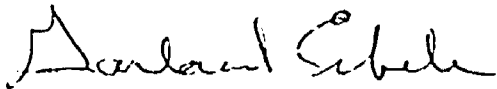
As part of the review of this request for these two change of diversion points, a review of well construction reports on file with the Water Rights Program and existing water rights within two miles was conducted. This review found a number of existing water rights located near this area and several domestic well logs on file with the Water Rights Program. It is not anticipated that either of these replacement wells will increase the potential for interference with existing diversions. These are replacement wells that are located in close proximity to the original wells and no additional appropriation of water is requested. There have been no recent complaints on water availability in this area. In fact, the replacement well under Water Right No. 143-3 was constructed in 1996.

In each case the wells that have been abandoned must be plugged in accordance with SD Well Construction Standards.



Eric Gronlund
Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding that the change of diversion points for Water Right No. 143-3 and 147-3 does not increase the potential for interference with existing diversions. In making the finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference. The change of diversion points for Water Right Nos. 143-3 and 147-3 are authorized without requiring application or publication of a notice of hearing pursuant to SDCL 46-2A-4. A new water right permit is necessary for any diversions greater than 1.78 cfs from the well authorized by Water Right No. 143-3 and 2.66 cfs from the two wells authorized by Water Right No. 147-3. The abandoned wells must be plugged in accordance with South Dakota Well Construction Standards



Garland Erbele, Chief Engineer
Water Rights Program
November 27, 2000



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 17, 2001

147-3

Harold Holoch, Utility Engineer
City of Vermillion
25 Center Street
Vermillion SD 57069

Dear Mr. Holoch:

I am writing in regard to the City of Vermillion's request for a change of two diversion points authorized by Water Right Nos. 143-3 and 147-3.

Water Right No. 143-3 appropriates 1.78 cubic feet of water per second (cfs) from one well. The original well was replaced in 1996 and the city is requesting authorization for this replacement well (designated at well No. 6) located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24, T92N, R52W. Water Right No. 147-3 appropriates 2.66 cfs from two wells. The original well designated by the city as well No. 3 is located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 24, T92N, R52W is scheduled to be replaced in the near future. No additional water will be appropriated.

Upon review of the request and pursuant to SDCL 46-5-13.1, the city of Vermillion is authorized to change these two diversion points without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. The abandoned wells must be plugged in accordance with South Dakota Well Construction Standards

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

Sincerely,

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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

147-3
07-92

Location NW 1/4 NE 1/4 Sec 24 Twp 92N Rg 52W
County Clay North

Please mark well location with an "X"

W

E

Well Completion Date

June 25, 2001

LOCATION:

Distance from nearest potential pollution
source (septic tank, abandoned well,
feed lot, etc) 250 ft. from Abandoned well (identify source).

PROPOSED USE:

☐ Domestic/Stock ☒ Municipal
☐ Irrigation ☐ Industrial

☐ Business ☐ Test Holes
☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT DIAMETER
1.86 LB/FT 12 IN
____ LB/FT ____ IN
____ LB/FT ____ IN

TO HOLE DIAMETER
70 FT 18 IN
____ FT ____ IN
____ FT ____ IN

GROUTING DATA

Grout Type No. of Sacks Unit Weight From To
Concrete 312 lb./gal 96 ft 30 ft
Self-Consolidating 17 lb./gal 30 ft 7 ft
Describe grouting procedure Tap

SCREEN:

☐ Perforated pipe ☒ Slotted
Diameter 12 In Length 22 FEET
Material 304 Stainless
Slot Size 0.60 Set From 98 Feet to 120 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

HTH Tablets

Laboratory sent to for water quality analysis _____
____ NO, Why Not? _____

Well Owner: City of Vermillion

Business Name: (#3 Replacement)

Address: 25 Center Street

Vermillion SD

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Silt, yellow-brown, clayey (fill)</u>	<u>0</u>	<u>32</u>
<u>clay, gray, very fine, silty</u>	<u>32</u>	<u>45</u>
<u>Sand, coarse, pebbly, few gravel beds</u>	<u>45</u>	<u>121</u>
<u>CLAYSTONE, Dark gray, slightly silty</u>	<u>121</u>	<u>124</u>

STATIC WATER LEVEL

34.9

If flowing: closed in pressure _____

GPM flow _____ through _____ in.

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____
☐ Bailed _____
☐ Other _____
Pumping Level Below Land Surface
54.4 ft. After 2 Hrs. pumped 700
____ ft. After ____ Hrs. pumped ____
If pump installed, pump rate 500

REMARKS

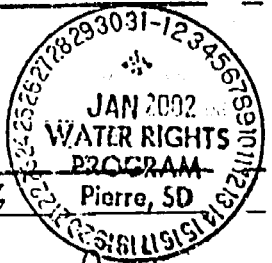
This well was drilled under license # 666

And this report is true and accurate.

Drilling firm HAMMOND-WETMORE Drilling

Signature of License Representative: [Signature]

Signature of Well Owner or Equitable Property Holder: _____



by City of Vermillion