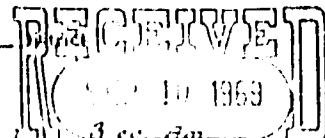


997-3

1. Considered NOVEMBER 12, 1969
2. Name of Applicant TOWN OF DUKWANA
3. Post Office Address -
4. Amount of water claimed .50
5. Source of water supply GROUND WATER
6. Water to be used for MUNICIPAL
 Acres to be irrigated --
7. Water to be diverted and used in BRULE County
 about miles of IN CITY LIMITS
8. Proof of Publication
 Received 1st
 Not Received
9. Application
 Approved
 Subject to
 Not Approved
 Action deferred
10. Remarks:

No. 997-3

Map No. 641-3 Water Division No. 3 Missouri River
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

STATE WATER RESOURCES COMM.
LITTLE ROCK, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Town of Pukwana
 Postoffice address Pukwana, State South Dakota
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) completed by contract
3. Name of diversion work Municipal wells No. 3 and No. 4
4. Amount of water claimed (cubic feet per second) 1 1/2
5. Source of water supply Artesian ground water
6. Location of point of diversion Well No. 3; 225 feet east and 122 1/2 north of SW Corner of Section 26, T104N, R70W., and Well No. 4.301 1/2 east and 438 feet north of the SW Corner of Section 26, T104N, R70W County Brule
7. Annual period or periods during which water is to be used continuous
8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal
9. For irrigation use. Total number of acres to be irrigated _____

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

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

Attach sheet if more space is needed

10. Time required to complete construction of water supply system completed years. Additional time required to complete application of water to the proposed beneficial use not completed years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Chamberlain Register
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.
 Well No. 3, flowing well cased with 300 feet 5 1/2 inch steel casing at top with remainder to 1017 foot depth, two inch steel casing.
 Well No. 4, flowing well, 1000 foot depth cased with 4 inch steel casing.

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

City main and distribution system

C. Works proposed to apply water to beneficial use.

City cutoffs and hydrants

Estimated Total Cost \$ 8,000.00

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

STATE OF SOUTH DAKOTA

County of BRULE

I, Town of Pukwana, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed W.D. Pribe - PresidentSubscribed and sworn to before me this 7 day of Sept 1969

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 997-3

TOWN OF PUKWANA
(Applicant)

(Post Office Address)

SOUTH DAKOTA
(State) With the following modifications:

Date of first receipt of application SEPTEMBER 10, 19 69

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

Date of receipt of corrected application _____, 19 ____

Approved NOVEMBER 12, 19 69, Recorded in Book 11 Page 600

WATER RIGHT PERMIT NO. 997-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 997-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim a right is SEPTEMBER 10, 19 69
2. The equivalent of at least one-fifth of the work above specified is ~~to be~~ completed on or before _____, 19 ____
3. The whole of said work is ~~to be~~ completed on or before _____, 19 ____
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is COMPLETED _____, 19 ____
5. The water appropriated shall be used for the purpose of MUNICIPAL USE
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .50 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of the 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 _____, 19 ____; said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 3RD day of DECEMBER, 19 69

WATER RESOURCES COMMISSION

By:

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued JANUARY 14, 19 70

Water License Issued JANUARY 14, 19 70

Diagram

#3

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation Depth 120'

Type of casing 5" 10' 100' 2" (wood, concrete, steel, etc.)

Size of casing Thickness of casing

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

(b) Screens

Type of perforated screen Slotted

Size of perforated screen (diameter) (length)

Thickness of gravel pack length of gravel pack

(c) Water Bearing Materials

Distance to water Character of water bearing materials

Thickness of water bearing material

(d) Pump and Motor

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

Name of pump size

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

Horsepower Name of Motor

(e) Complete well 15 GPM 1" well

Capacity 50 GPM at drawdown of 150' 2" well Estimated cost

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

Address

(g) Distance to nearest existing wells

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

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 4", Depth 1017 feet
 (2) Casing, Type steel Diameter 2" Top 200 ft. of 5½" steel casing
 (wood, concrete, steel, etc) Thickness _____
 (3) Perforated Screen.
 Type slotted steel pipe, Diameter _____, Length _____
 (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

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

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

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

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

On same owner's property 50 rods. On property owned by others 40 rods.

G. Water Storage Dams.

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

W.D. Link
 Signature of Applicant

11 4.

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 9 1/2 in. 100 Depth 900 1017
 Type of casing 100' 6" Type 1 Copper Casing 100' 6" Steel Casing
 (wood, concrete, steel, etc.)
 Size of casing 100' 6" 6" copper Thickness of casing Standard
 Length of casing 1017' 6" copper If collection gallery, length, size and depth of gallery

(b) Screens

Type of perforated screen 70' PERFORATED PIPE
 Size of perforated screen (diameter) (length)
 Thickness of gravel pack length of gravel pack

(c) Water Bearing Materials

Distance to water Character of water bearing materials
 Thickness of water bearing material

(d) Pump and Motor

Type of pump (centrifugal, propeller, mixed flow, etc.)
 Name of pump size
 Kind of motor (gasoline, electric, diesel, etc.)
 Horsepower Name of Motor

(e) Complete well

Capacity at drawdown of Estimated cost

(f) Owner of land upon which well is located

PEOPLE COUNTRY
 Name

Address

(g) Distance to nearest existing wells

On same owner's property Close
 On property owned by others 200 YARDS
 rods

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 6", Depth 2000 ft.
- (2) Casing, Type steel Diameter 4" Thickness
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Perforated pipe, Diameter 4", Length 70 ft.
- (4) Gravel Pack. Thickness , Length of gravel pack

E. Dugout Information or Estimates.

- (1) Surface dimensions , Depth

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

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

Character of Water bearing materials

Depth to top of water bearing material

Depth to bottom of water bearing material

Thickness of water bearing material

Depth to water (ground surface to water level)

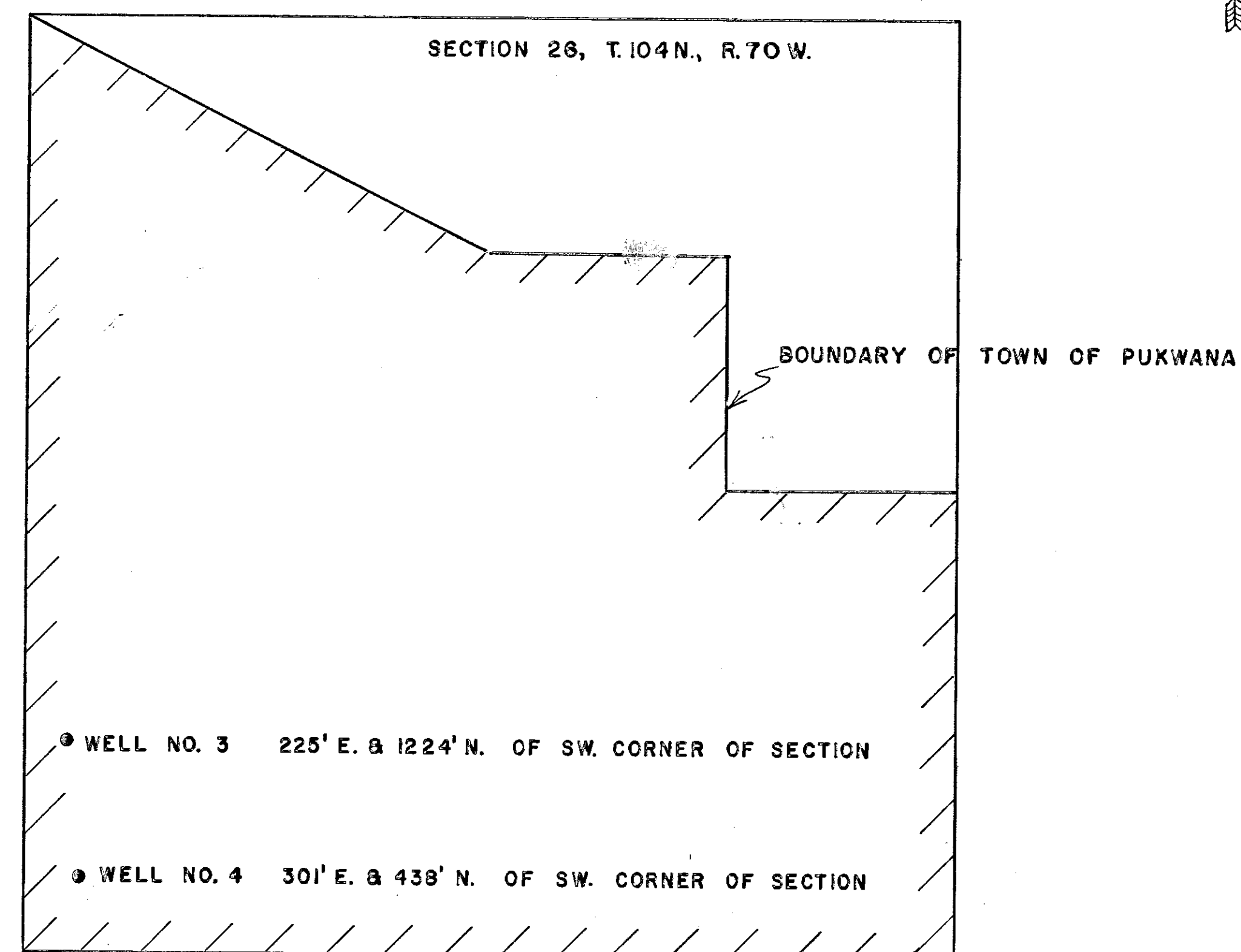
- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 40 rds. On property owned by others 80 rds.

G. Water Storage Dams.

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

W.D. Prich
Signature of Applicant



PREPARED BY
DONALD DRISCOLL
DEPUTY CHIEF ENGINEER
WATER RESOURCES COMMISSION

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 997-3.

(1) WHEREAS, On the 10th day of September, A. D. 19 69
the Town of Pukwana

made Water Right Application No. 997-3 for a permit to use .50 cubic feet per second of the waters
of ground water

County of Brule, State of South Dakota, for municipal

purposes; and

(2) WHEREAS, On the 3rd day of December, A. D. 19 69
Permit No. 997-3, with a date of priority of September 10, 1969

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 3rd day of December, A. D. 19 69 and for the
application to beneficial use of said water on or before the 3rd day of December, A. D. 19 69

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert .50 cubic feet
per second of water for beneficial use and,

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

to provide municipal supplies for the Town of Pukwana

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to the Town of Pukwana
and
the holder _____ and owner _____ of said permit No 997-3 a water right, dating from September 10, 1969
to use of .50 cubic feet per second of the waters
of ground water
in the County of Brule and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at points 225' E and 1,224' N of the SW Corner and 201' E and
438' N of the SW Corner, Section 26, T104N, R70W

and conduct ~~through the town water distribution system~~

for the purpose of municipal use

Subject to any limitations listed in Water Right Permit No. 997-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 14th day of January A. D.
Nineteen Hundred and Seventy

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRINES

Permit No. 997-3

Water Diversion No. 3 MISSOURI RIVER Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That the Town of Pukwana

the holder of
Permit No. 997-3, issued upon Application No. 997-3, bearing date of priority of September 10,
1969 authorizing the diversion of .50 cu. ft. per second of the waters of ground water
County of Brule, State of South Dakota at points 325' E and 1224' N, and 4,301' E and 438' N of the SW Corner,
Section 26, T104N, R70W
, for municipal

purposes, has s 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 .50 cu. ft. per second of water.

Date January 14, 1970

WATER RESOURCES COMMISSION

By:

J.W. GRIMES, Executive Officer

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water

No. 997-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Bruce) ss.

I, E. J. Buckingham, Jr. hereby

certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Chamberlain Register

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 Chamberlain

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

October 16, 1969

October 23, 1969

October 30, 1969

November 6, 1969

E. J. Buckingham, Jr.
(Signature)

Publicist
(Title)

11/6/69
(Date Signed)

NOTICE
INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501

October 13, 1969

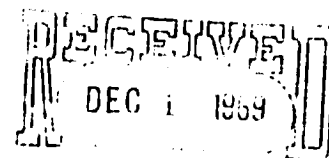
Notice is hereby given that
the Town of Pukwana, South
Dakota, has made an applica-
tion in accordance with the pro-
visions of the water laws of
South Dakota for a permit to
appropriate for beneficial use
.50 cubic feet of water per
second of time from ground wa-
ter through the City Wells, the
point of diversion of which is
to be located in the SE1/4SW1/4
of Section 26, Twp. 104N, Range
70W. Said water to be used for
the purpose of providing muni-
cipal supplies for the Town of
Pukwana.

This application No. 997-3
will be considered by the Wa-
ter Resources Commission at
their office at Pierre upon the
12th day of November, 1969,
at 2:00 P.M. All interested per-
sons may appear and be heard.

WATER RESOURCES
COMMISSION

By: BURTON F. JONES,
Water Rights Specialist

cc: W. D. Priebe, President
Town Board, Pukwana, S. D.
(Oct. 16 - 23 - 30 - Nov. 6)



STATE WATER RESOURCES COMMISSION

997-3

Publish first publication, on or before October 16, 1969NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 13, 1969Notice is hereby given that the Town of Pukwana

~~whose post office address is:~~ _____, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use .50 cubic feet of water per second of time from ~~the~~ ground water through the City Wells, the point of diversion of which is to be located in the _____

SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 26, Twp. 104N, Range 70W. Said water to be used for the purposeof providing ~~irrigation on the following described land:~~municipal supplies for the Town of Pukwana

This application No. 997-3 will be considered by the Water Resources Commission at their office at Pierre upon the 12th day of November, 1969, at 2:00 P. M. All interested persons may appear and be heard.

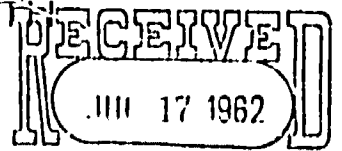
WATER RESOURCES COMMISSION

By:

BURTON F. JONES, Water Rights Specialist

cc: W.D. Priebe, President Town Board, Pukwana, S.D.

SOUTH DAKOTA
STATE DEPARTMENT OF HEALTH
PIERRE



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

July 16, 1962

In reply refer
to: S.2 Fekwana

W. D. Priebe, President
and Members of the Town Board
Town of Fekwana
Fekwana, South Dakota

Honorable Gentlemen:

We have noted with interest recent articles in the Kimball "NEWS" in regard to a new municipal water well under construction in your community.

Plans and specifications for a new or improved municipal water well - and other public water supply construction projects - should be prepared by an engineer licensed to practice in South Dakota and submitted to this office for review and written approval prior to start of construction. Our water bacteriological records contain too many instances of unsafe samples from poorly-designed and constructed municipal water wells. And our files on the 250 municipal water works in South Dakota also contain too many histories of premature well failure which have been an unnecessary source of trouble for the municipal officials involved.

We trust that all future municipal water supply, sewage disposal and swimming pool projects in your community will be designed by an experienced consulting engineer and that the plans and specifications will be reviewed and approved in writing by this Department prior to start of construction.

It is recommended that a satisfactory bacteriological sample be collected from your new well prior to connection to your distribution system. We also trust that your new well will not be a pit installation.

FOR THE DIVISION OF SANITARY ENGINEERING

Very truly yours,

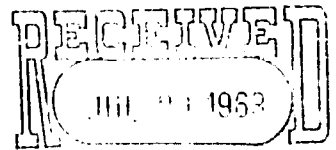
J. Darrell Bakken, Chief
Water Sanitation Section

JDB:ao

cc: Eddie Cummings, Town Clerk
John Penne, State Comptroller
State Water Resources Commission

COPY

Water Resources Division
Ground Water Branch
P. O. Box 1412
Huron, South Dakota
July 26, 1963



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Mr. J. Darrell Bakken, Chief
Water Sanitation Section
State Department of Health
Pierre, South Dakota

Dear Mr. Bakken:

In reference to your letter of July 24, 1963, the following are records we have of the artesian water pressures at the town of Pukwana:

- (1) Well 104-70-26actb - (This well is called Pukwana well No. 2 in S. D. Geol. Survey Rept. of Inv. 4. To my knowledge it is the oldest well still in use at Pukwana.)

Drilled - 1921

Depth - 830 rept'd.

Flow - 22 gpm June 26, 1956

Pressures:

Date

1912 49 psi (+113 ft.) - Rept. in SDGS R.I. 34, p. 12

1946 31 psi (+69.5 ft.) - Rept. by Verne Lytle, well driller

June 26,

1956 31.9 psi (+73.7 ft.)

- (2) Well 104-70-26decb (This well is in a pit with board cover on west side of main street about 2 blocks north of the SE corner of town)

Drilled - 1931

Depth - 1003 rept'd.

Flow - Unable to measure - flows directly to mains, June 26, 1956.

Pressures:

Date

1931 38 psi (+83.8 ft.) - Rept'd by city officials - 1956.

June 26,

1956 23.8 psi (+55.0 ft.)

Page 2 - J. Darroll Bakken - July 26, 1963

- (3) Well 104-70-26dcbc (This well is on top of a small rise near the center of town.)

Drilled - March 20, 1959

Depth - 1018 rept'd.

Flow - 37 gpm. meas. March 23, 1959

Pressures:

Date

March 23, 1959 29.7 psi (+68.7 ft.)

May 9, 1960 23.5 psi (+58.9 ft.)

May 26, 1961 23.3 psi (+53.6 ft.)

June 6, 1962 22.2 psi (+51.3 ft.)

April 25, 1963 21.0 psi (+48.5 ft.)

These records have been collected in cooperation with the S. Dak. Water Resources Commission as part of Project 3D-5.

Unfortunately, we have been unable to make yearly measurement of the discharge from these wells as they are all piped directly into the water mains. However, I hope the above pressure records will be helpful.

Very truly yours,

FOR THE DISTRICT ENGINEER

Chas. F. Dyer
Geologist

cc: J. Grimes

Permit No. 997-3Water Division 3 MISSOURI RIVER Water District

**REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE**

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

I have this day made a thorough examination of the water use system constructed by _____
the Town _____ of Pukwana holder _____
of Permit No. 997-3, bearing date of priority of September 10, 19 69
authorizing the diversion of 0.50 cu. ft. per second of the waters of artesian ground water
for Municipal purposes, in Brule County.

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

The Water Use System consists of,

A. Works used to divert the water:

Well No. 3, 1017 feet deep. Top 300 ft. 5½" steel casing, rest 2" steel casing
Well No. 4, 1000 feet deep, cased with 4" steel casing
Both wells are flowing wells

B. Works used to transport water to place of use,

City main and distribution system

C. Works used to apply water to beneficial use.

City cutoffs and hydrants

Very good

The system is in the following condition: _____
The point of diversion is located Well No. 3, 225 ft. east and 1224 ft. north of SW Corner, Sec. 26, T104N, R70W; Well No. 4, 301 ft. east and 438 ft. north of the SW Corner of Sec. 26, T104N, R70W.

The works are capable of diverting and conveying to the place of use 0.50
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: _____
0.50 c.f.s. distributed through the city main and distribution system

XX

Date January 14, 1970

Donald Driscoll
(Signature)

DONALD DRISCOLL, Deputy Chief Engr. W.R.C.