

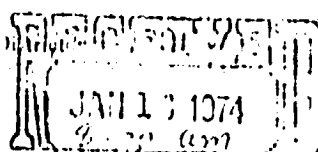
1003-1

1. Considered MARCH 20, 1974
2. Name of Applicant CITY OF SPEARFISH
3. Post Office Address _____
4. Amount of water claimed 1.50
5. Source of water supply ARTESIAN GROUND WATER
6. Water to be used for MUNICIPAL USE
- Acres to be irrigated _____
7. Water to be diverted and used in LAWRENCE County
about IN CITY LIMITS miles _____ of _____
8. Proof of Publication Received 3-18-74
Not Received _____
9. Application Approved DOM WELL CLAUSE
Subject to _____
Not Approved _____
Action deferred _____

10. Remarks:

No. 1003-1Map No. 829-1Water Division No. 1BELLE FOURCHE RIVER

(Blank to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

STATE WATER CONTROL COMMISSION
PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable)

1. Name of Applicant, City of Spearfish
 Postoffice address Spearfish, 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) Contract
3. Name of diversion work Spearfish City Well #3
4. Amount of water claimed (cubic feet per second) 1.5
5. Source of water supply Pahasapa Limestone formation
6. Location of point of diversion 10 feet south and 35 feet east of northwest corner of Lot 1, Block 8i, Original Town of Spearfish, South Dakota.
 County Lawrence
7. Annual period or periods during which water is to be used Continuously
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal Water Supply
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 One years. Additional time required to complete application of water to the proposed beneficial use One years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Queen City Mail, Spearfish, S.D.
12. Principal Features of the Proposed Water Supply System.

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

Drill a well 1080'+ into the Pahasapa Limestone Formation

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

A turbine pump with an electric motor and 220'+ of 6" cast iron water line~~C. Work proposed to supply water to beneficial use.~~Estimated Total Cost \$ 76,000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

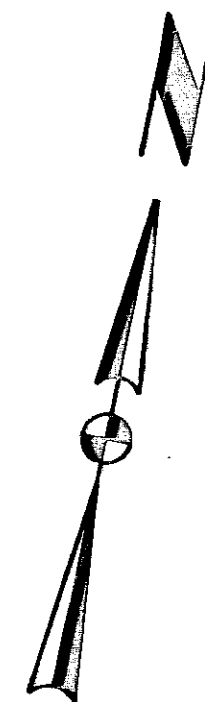
STATE OF SOUTH DAKOTA)

County of Lawrence)I, Donald E. Young, Mayor 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.

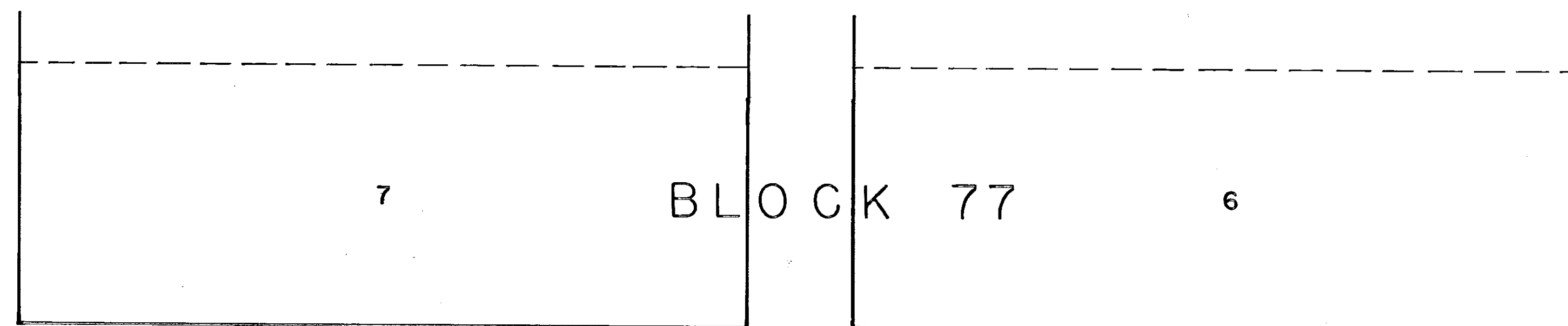
Signed

Donald E. Young
Mayor, City of SpearfishSubscribed and sworn to before me this 15thday of January, 1974

Notary Public (or other qualified officer)

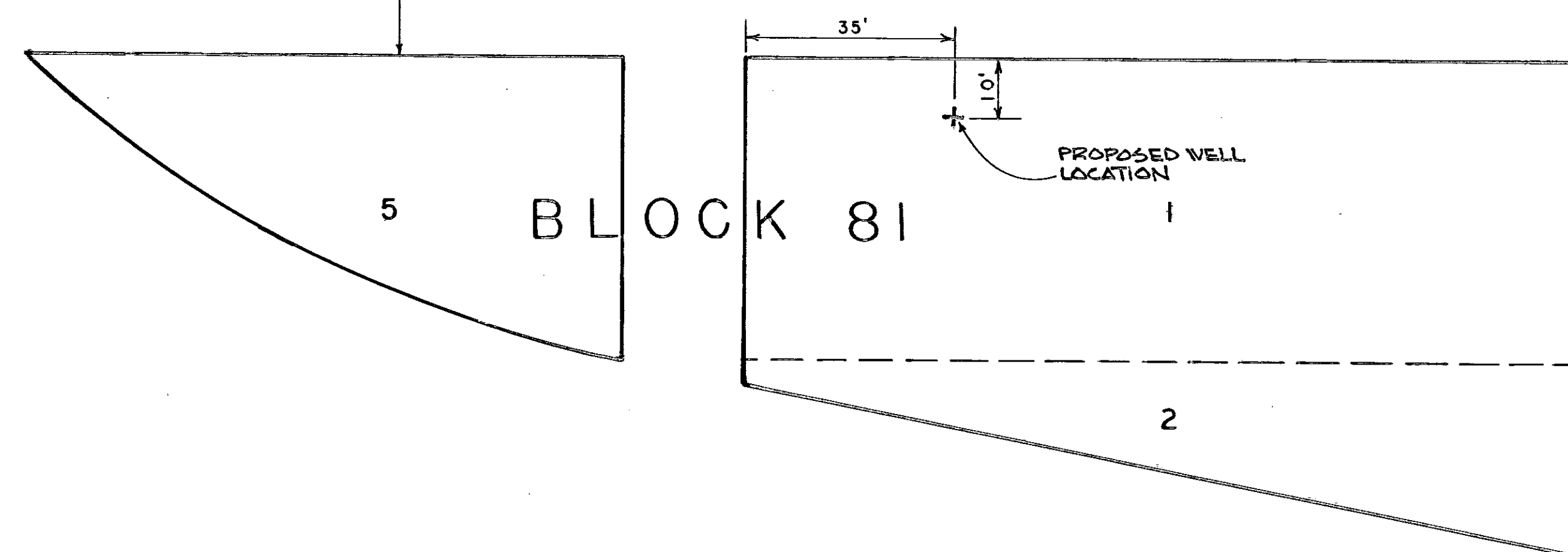


SCALE 1"=20'

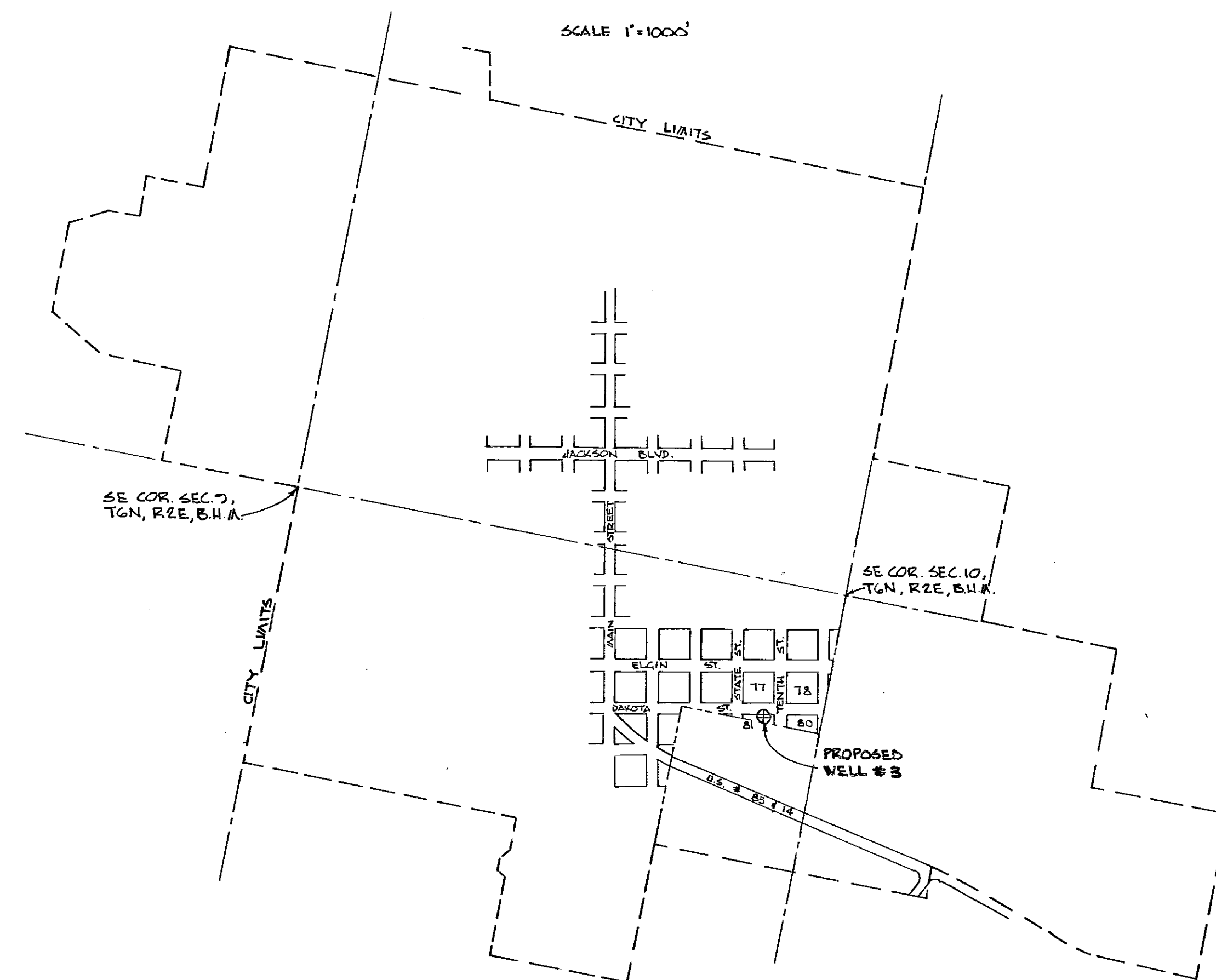


Q STATE ST.

Q DAKOTA



WELL NO. 3 LOCATION
BLOCK 81
ORIGINAL TOWN
OF SPEARFISH



SURVEYOR'S CERTIFICATE:

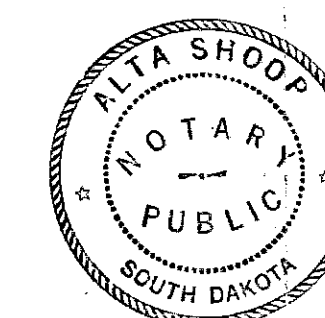
I, Donald D. Hoffman, Licensed Land Surveyor, do hereby certify that, at the direction of the Spearfish City Council, I have surveyed the location of the proposed Spearfish City Well No. 3 as shown hereon. The bearings and distances are as shown.

Donald D. Hoffman
Licensed Land Surveyor 002672

ACKNOWLEDGEMENT OF SURVEYOR

Be it remembered that on this 15th day of January, 1974, before me, a Notary Public, personally appeared Donald D. Hoffman, known to me to be the person described in and who executed the foregoing certificate.

My Commission Expires 15 August 1975 *Alta Shoop*
Notary Public



LOCATION OF PROPOSED
SPEARFISH WELL NO. 3

BRADY CONSULTANTS INC.	DRAWN BY: E.D.W.	DATE: JAN. 15, '74
SPEARFISH, SOUTH DAKOTA	CHECKED BY:	SHEET 1 OF 1

MAP NO. 829-1 (APPL. NO. 1003-1)

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1003-1CITY OF SPEARFISH

(Applicant)

(Post Office Address)

SOUTH DAKOTA

(State)

With the following modifications:

The irrigation well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The ~~irrigation~~ well owner, under this Permit, shall control his ~~irrigation~~ withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application JANUARY 16 19 74Date of return to applicant for correction, amendments or changes required — 19 —Date of receipt of corrected application — 19 —Approved MARCH 20 19 74 Recorded in Book 12 Page 312WATER RIGHT PERMIT NO. 1003-1

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1003-1 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 right is JANUARY 16 19 74
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 20 19 74
3. The whole of said work is to be completed on or before MARCH 20 19 75
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 20 19 76
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 1.50 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 use~~ ~~and of for the irrigation purpose~~ ~~said appropriation must be limited to not more than three feet per acre per year and be limited to not more than one twentieth (1/20) of an cubic foot of water per acre and of time for each~~ ~~of land to which water is~~ ~~AND BENEFICIALLY USED FOR MUNICIPAL PURPOSES~~

actually ~~and beneficially~~ ~~applied for irrigation~~ on or before MARCH 20 19 76; said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 21ST day of MARCH 19 74

WATER RESOURCES COMMISSION

By:

Donald R. McCall

Chief Engineer, Executive Officer

Certificate of Construction Issued January 21 19 73Water License Issued January 21 19 73

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 18" to 50' Depth 1080' ±
9 1/2" from 50' to 800' 14" - 0.250"
9 1/2" from 800' to 1080'
 (2) Casing, Type steel Diameter 14" to 50' Thickness 10-3/4" - 0.365"
 (wood, concrete, steel, etc) 10-3/4" from 50' to 800'
 (3) Perforated Screen. Open hole below 800'

Type _____, 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 Pahasapa Limestone Formation

Depth to top of water bearing material 800' ±

Depth to bottom of water bearing material 1100' ±

Thickness of water bearing material 300 ±

Depth to water (ground surface to water level) 20'

(2) Distance to nearest existing household or livestock watering wells. One existing well in this area drawing water from the Pahasapa Formation.

On same owner's property 280 rds. On property owned by others _____ 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.

Daniel S. Young
 Signature of Applicant

Permit No. 1003-1

Water Diversion No. 1 Belle Fourche River Water District

10120203

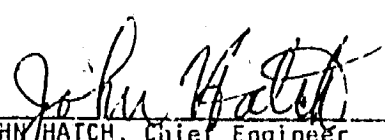
CERTIFICATE OF CONSTRUCTION

This is to Certify, That the City of Spearfish

_____ the holder _____ of
Permit No. 1003-1, issued upon Application No. 1003-1, bearing date of priority of February 16, 1974
_____ authorizing the diversion of 1.5 cu. ft. per second of the waters of _____
groundwater County of Lawrence, State of South Dakota at _____
a point 10 feet South and 35 feet East of the NW Corner of Lot 1, Block 81
original City of Spearfish (2600' S and 580' W of NE Corner of Section 15, T-6N, R-10E)
_____, for Municipal

purposes, has _____ 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 1.56 cu. ft. per second of water.

Date January 21, 1982


JOHN HATCH, Chief Engineer
Water Rights Division

WATER LICENSE NO. 1003-1.

(1) WHEREAS, On the 16th day of January A. D. 19 74
the City of Spearfish
 made Water Right Application No. 1003-1 for a permit to use 1.5 cubic feet per second of the waters
 of groundwater (no well)
 County of Lawrence, State of South Dakota, for Municipal
purposes; and

(2) WHEREAS, On the 20th day of March A. D. 19 74
 Permit No. 1003-1, with a date of priority of January 16, 1974
 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 20th day of March A. D. 19 75 and for the
 application to beneficial use of said water on or before the 20th day of March A. D. 19 76

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 1.5 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,

water to be used in place for municipal purposes for the City of Spearfish

(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 City of Spearfish, South Dakota

_____ of _____
the holder _____ and owner _____ of said permit No. 1003-1 a water right, dating from January 16, 1974
_____ to use of 1.5 cubic feet per second of the waters
of groundwater (one well)

In the County of Lawrence and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point 10 feet South and 35 feet East of the NW
Corner of Lot 1, Block 81 original City of Spearfish (2600' S and 580' W of NE
Corner of Section 15, T-6N, R-2E)

and conducted ~~XXXXXXXXXX~~ through the City's distribution system

for the purpose of municipal use

Subject to any limitations listed in Water Right Permit No. 1003-1 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 21st day of January A. D.
Nineteen Hundred and Eighty-two

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer

JOHN HATCH

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Lawrence) ss.

I, Jane Carlstrom hereby

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

Water was taken from the Queen City Mail

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 Spearfish

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

March 7, 1974

March 11, 1974

Jane Carlstrom
(Signature)

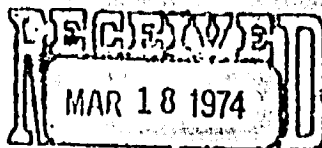
bookkeeper - Office Manager
(Title)

3-15-74
(Date Signed)

NOTICE
INTENT TO APPROPRIATE
WATER

Pierre, South Dakota 57501
January 29, 1974
Notice is hereby given that the City of Spearfish, 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 1.5 cubic feet of water per second of time from (Artisan ground water) (Aquifers) through the Spearfish City Well No. 3, the point of diversion of which is to be located in the NE 1/4 of Section 9, Twp. 6N, Range 2E. Said water to be used for the purpose of providing municipal supplies for the City of Spearfish.
This application No. 1003-1 will be considered by the Water Rights Commission at their office at Pierre upon the 20th day of March, 1974, at 2:30 p.m. All interested persons may appear and be heard.

WATER RIGHTS
COMMISSION
By: BURTON F. JONES
Water Rights Specialist
cc: Donald E. _____ Mayor
City of Spearfish
Spearfish, S.D. 57583
(221 - 21, M 7-14)



STATE WATER RIGHTS COMM.
PIERRE, SOUTH DAKOTA

Permit No. 1003-1Water Division 1 Belle Fourche River Water District
10120303REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by City of Spearfish of Spearfish, S.D. holder 57783 of Permit No. 1003-1, bearing date of priority of January 16, 1974 authorizing the diversion of 1.5 cu. ft. per second of the waters of one well #3 for Municipal purposes, in Lawrence 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:

Newman Electric Motor, 75 HP,
Pump: Peabody Ser # 77-2411, Size 14, Type D K II
700 gpm.

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

6" Cast iron pipe to water system

C. Works used to apply water to beneficial use.

City of Spearfish water system

The system is in the following condition. Good

The point of diversion is located 10 ft S + 35 ft E of NW cor of lot 1, Blk 81
City of Spearfish (2600' S + 580' W of NE cor Sec. 19, T6N R2E)

The works are capable of diverting and conveying to the place of use 1.56
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 _____ acres of land.

license for 1.5 cfs.

Date May 27, 1981
L. Roy O. Mernagh
(Signature)

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 8646

PIERRE, January 11, 1982, 1982

RECEIVED OF City of Spearfish, 722 Main, Spearfish, SD 57783

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

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for inspecting Construction, and issuing Cert. of Construction No. 1002-1	12	00
Fee for inspecting Beneficial Use, and issuing Water License No. 1003-1		
Fee for issuing Location Certificate-Dry Draw, No.		
Fee for filling		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	12	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH/ms

Re: 1003-1

February 4, 1976

Mr. Donald D. Hoffman
Brady Consultants, Inc.
South Highway 14, Box A
Spearfish, SD 57783

Dear Mr. Hoffman:

This will acknowledge your letter concerning Water Right Permit No. 1003-1, which proposed completion of a well into the Pahasapa Limestone Formation.

You have inquired as to the possibility of finishing the well in the Minnelusa Formation. We would rather see the City of Spearfish develop a well in the Pahasapa Formation than the Minnelusa. Water right permits have been granted for 10 irrigation wells located three to four miles north of Spearfish, which are into the Minnelusa Formation. If it would become necessary in the future to restrict withdrawals from the Minnelusa Formation, the irrigation wells would have prior rights for the City of Spearfish water right.

With respect to the broken drill stem in the well, your contractor may wish to employ the services of a company which specializes in "fishing" operations. If the drill stem "fishing" operations by an outside specialist are not successful, then the Commission would have no objection to moving the drill rig to a new nearby location for another attempt to drill a well into the Pahasapa.

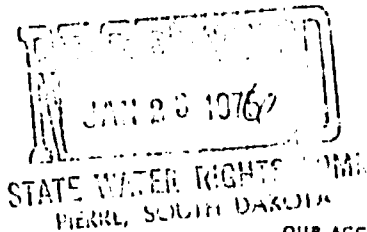
If the City wants to still go ahead and finish the well in the Minnelusa Formation, then a new water right permit application will be necessary.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Commission

JH:nm

BRADY CONSULTANTS, Inc.
ENGINEERS • ARCHITECTS • PLANNERS
SOUTH HIGHWAY 14 • POST OFFICE BOX A
SPEARFISH, S. D. 57763 • PHONE 605-642-2656



22 January 1976

South Dakota Water Rights Commission
State Office Building #2
Pierre, South Dakota 57501

Re: Water Right Permit No. 1003-1
City of Spearfish, South Dakota

Gentlemen:

This is a letter of inquiry on the ramifications and requirements for this municipal well (Permit #1003-1) to be completed in the Minnelusa formation at approximately 500-520 total depth. The well has been cased with 10" casing to a depth of 618 feet at the top of the Pahasapa. The driller, Minnehaha Waters - Sioux Falls, then continued drilling a 9½" hole to a depth of 805 feet where the drill stem broke at 667 feet. Several attempts at fishing have been unsuccessful. At a meeting of the City Council, the contractor and the consultants, it was agreed to make this inquiry about finishing the well in the Minnelusa. The driller has agreed to continue fishing efforts and utilize other well drilling expertise.

The City and Brady Consultants are extremely reluctant to permit the completion of the well in the Minnelusa. The present city well in the Minnelusa was pumping milky water last summer. However, Minnehaha Waters were frank in their admission that the City was in the position to "break the contractor" and still not have a producing well in the Pahasapa.

Your comments and instructions on amending this water right would be appreciated.

Sincerely,

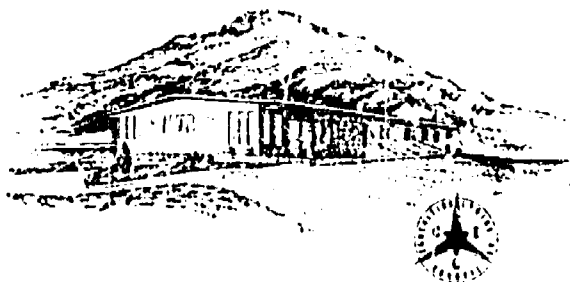
BRADY CONSULTANTS, Inc.

A handwritten signature in dark ink, appearing to read "Donald D. Hoffman".

Donald D. Hoffman

DDH/ih

cc: Bob Brown, City Engineer
Ken Ellingson, City Councilman



OVERSIZE

DOCUMENT IS

SUPPLEMENTARY

TO MICROFILM FILE

Gronlund, Eric

From: Tom Callaway <Tom.Callaway@cityofspearfish.com>
Sent: Wednesday, April 15, 2015 11:23 AM
To: Gronlund, Eric
Subject: 1003-1 Ellingson Well

Hi Eric,

We are in the process of replacing the pump for Ellingson Well. The new pump being installed may have the capacity to exceed the current use of 1.5 cfs. We will have a variable frequency drive installed with the new controller which will limit the output of the new pump.

My question is during the test phase of the new pump it proves to have the capability to exceed the appropriated amount, may we apply to increase the use commensurate with the pumps capability? We are expecting 700-725 gpm. Thank you,

Tom Callaway
Environmental Services Manager
City of Spearfish
625 5th Street
Spearfish, South Dakota 57783
Direct: 605-717-1112
Office: 605-642-1333
Fax: 605-642-1337



1003-1



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

OCT 10 2017

1003-1
1955-1
1872-1

Cheryl Johnson, PWD
City of Spearfish
625 5th St
Spearfish SD 57783

Dear Ms. Johnson:

Enclosed is Water License No. 1955-1. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

Upon licensing, the applicable portions of Water Right No. 1003-1 were incorporated into Water License No. 1955-1. Additionally, based on the capability of the well, a total of 104 acre feet in annual volume reverted back to Future Use Permit No. 1872-1.

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

Sincerely,

A handwritten signature in black ink that reads "Jeanne Goodman". The signature is fluid and cursive, with the first name "Jeanne" being more prominent than the last name "Goodman".

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures