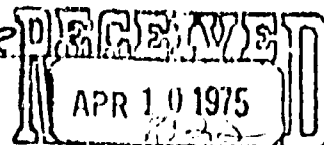


Water Right Number 2249-3

1. Considered MAY 21, 1975
2. Name of Applicant CITY OF EUREKA
3. Post Office Address 7-5
4. Amount of Water claimed 1.5
5. Source of Water supply GROUND WATER .3 WELLS 107'-111'
6. Water to be used for MUNICIPAL
- Acres to be irrigated _____
7. Water to be diverted and used in MC PHERSON County
about 2.5 miles _____ of EUREKA
8. Proof of Publication Received 5-16-75
Not Received _____
Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
9. Application
10. Remarks:

No. 2249-3Map No. 1642-3 Water Division No. 3 MISSOURI RIVER
(Returns to be Filed by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT TO APPROPRIATE WATER RIGHTS COMM PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

- Name of Applicant City of Eureka, South Dakota
 P. Office address Eureka, State South Dakota
 If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Contract
- Name of diversion work Eureka Municipal Water Supply Well #2
- Amount of water claimed (cubic feet per second) 1.5
- Source of water supply Underground Aquifer
- Location of point of diversion Well #1, SE $\frac{1}{4}$, SE $\frac{1}{4}$ Sec. 14, T126N, R57W;
Well #2, SW $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 13, T126N, R73W; Well #3 (Future) SE $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 13,
T126N, R73W See Attached Map County McPherson
- Annual period or periods during which water is to be used January 1 thru December 31
- Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal
- 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.
N/A		N/A	

Attach sheet if more space is needed

- Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 1 years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Eureka Northwest Blade
- Principal Features of the Proposed Water Supply System.

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

Pumps with Underground Water Wells

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

8" Asbestos Cement Transmission Line

C. Works proposed to apply water to beneficial use.

Existing Municipal Water Distribution SystemEstimated Total Cost \$ 200,000Attachment: 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)
) ss.County of McPherson)I, Alfred Eisner, 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 constructionSigned Alfred EisnerSubscribed and sworn to before me this 3 day of April 1975

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2249-3

CITY OF EUREKA

(Applicant)

(Post Office Address)

SOUTH DAKOTA 57437 With the following modifications:
(State)

Date of first receipt of application APRIL 10 19 75

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

Date of receipt of correct application — 19 —

Approved MAY 22 19 75 Recorded in Book 13 Page 294

WATER RIGHT PERMIT NO. 2249-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2249-3 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 right is APRIL 10 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 22 19 75
3. The whole of said work is to be completed on or before MAY 22 19 76⁹⁰
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 22 19 77⁸¹
5. The water appropriated shall be used for the purpose of IRRIG 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 1.5 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 ~~irrigation~~ USED FOR MUNICIPAL PURPOSES actually and beneficially applied for on or before MAY 22 19 77⁸¹ said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 28TH day of MAY 19 75

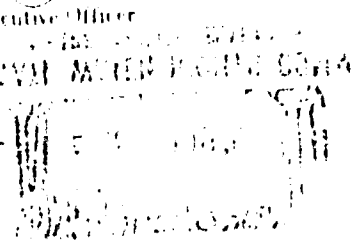
WATER RIGHTS COMMISSION

By:

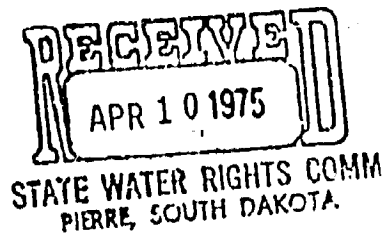
John W. Butler
Chief Engineer, Executive Officer

Certificate of Construction Issued — 19 —

Water License Issued — 19 —



Log of Well #1
Eureka, South Dakota
McPherson County, South Dakota



Well is located in the S.E. corner of the SE $\frac{1}{4}$ Sec. 14, T126N, R73W.

0- 20	Yellow Till
20- 28	Yellow Till
28- 40	Gray Till
40- 60	Gray Till
60- 79	Gray Till with Sand Layers 72-79
79- 80	Coarse Sand and Gravel
80- 88	Coarse Sand and Gravel
88- 90	Gray Till
90- 95	Coarse Sand and Gravel
95-100	Coarse Sand and Gravel
100-107	Coarse Sand and Gravel
107-110	Gray Till

Well has 6" steel casing and was cemented on the outside from 0' to 80'.

6" Johnson stainless steel wire wrapped screen No. 60 slot 80-86' and No. 40 slot from 86' to 107'.

Log of Well #2
Eureka, South Dakota
McPherson County, South Dakota

Well is located in the SW $\frac{1}{4}$ of Sec. 13, T126N, R73W.

0- 5	Yellow Clay
5- 10	Yellow Clay
10- 15	Yellow Clay
15- 20	Yellow Clay
20- 80	Blue Clay - Streak of Sand Between 55-60
80- 84	Blue Clay with some Sand
84- 87	Coarse to Very Coarse Sand and Gravel
90- 95	Fine to Medium Sand
95-100	Coarse to Very Coarse Sand and Gravel
100-105	Fine to Medium Sand
105-110	Coarse to Very Coarse Sand and Gravel
110-117	Coarse to Very Coarse Sand and Gravel
117-132	Blue Clay

Well has 10" steel casing and was cemented on the outside from 0'-89'.

10" Johnson stainless steel wire wrapped screen No. 60 slot from 89' to 110' and No. 100 slot from 110' to 118'.

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 10", Depth 107'
- (2) Casing, Type Steel Diameter 6" Thickness .280"
(wood, concrete, steel, etc.)
- (3) Perforated Screen,
Wire Wrapped
Type Stainless Steel, Diameter 6", Length 27'
- (4) Gravel Pack, Thickness Natural, Length of gravel pack -

~~E. Largest Well - Estimated Estimates~~

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well ~~or~~ Engel.

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

Character of water bearing materials Sand and Gravel

Depth to top of water bearing material 80'

Depth to bottom of water bearing material 107'

Thickness of water bearing material 27'

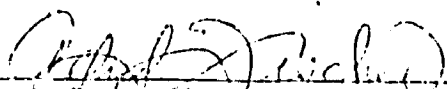
Depth to water (ground surface to water level) 1.5'

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

On same owner's property _____ rds. On property owned by others 100 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.



Signature of Applicant

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 14 inch, Depth 117'
- (2) Casing, Type Steel, Diameter 10" Thickness .365"
(wood, concrete, steel, etc)
- (3) Perforated Screen
Wire Wrapped
Type Stainless Steel, Diameter 10", Length 33'
- (4) Gravel Pack, Thickness - Natural, Length of gravel pack -

~~E. Ditch Information or Estimates~~

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or Ditch.

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

Character of Water bearing materials Sand and Gravel

Depth to top of water bearing material 84'

Depth to bottom of water bearing material 117'

Thickness of water bearing material 33'

Depth to water (ground surface to water level) 1.5'

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

On same owner's property 90 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.


Signature of Applicant



CONSULTING ENGINEERS
AND ARCHITECTS

HANNER & ASSOCIATES, Inc.

BROOKINGS • RAPID CITY, SOUTH DAKOTA

LARAMIE • CHEYENNE, WYOMING

1024 6TH STREET

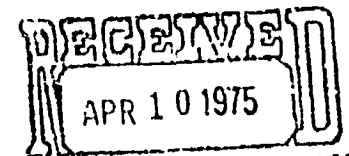
TELEPHONE (605) 692-6342

P.O. BOX 298

BROOKINGS, SOUTH DAKOTA 57006

April 8, 1975

Mr. Donald Driscoll
Deputy Chief Engineer
Water Resources Commission
State Office Bldg. #2
Pierre, SD 57501



STATE WATER RIGHTS COMM
PIERRE, SOUTH DAKOTA

RE: Water Rights
Eureka, SD

Dear Mr. Driscoll:

We are working with the City of Eureka, SD, to develop a new source of ground water supply for domestic use. The area is three miles south of the City of Eureka. The areas where water rights are desired is the $S\frac{1}{2}$ of the $SW\frac{1}{4}$, Sec. 13, T126N, R73W and the $SE\frac{1}{4}$ of $SE\frac{1}{4}$ of Sec. 14, T126N, R73W.

We are enclosing two copies of "Application for Permit" for water diversion from this area using two wells. Also enclosed is a map indicating the location of the two wells and a future Well #3 to be completed in 5 years. I have enclosed a copy of the driller's log for Well #1 and #2. A check in the amount of \$8.00 covering the application fee is attached.

If you have any questions please feel free to contact me.

Sincerely yours,

H. D. Williams, P.E.

HDW/bas
Enclosures

No. 2249-3Publish first publication, on or before May 8, 1975NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

April 10, 1975Notice is hereby given that the City of Eureka~~whereupon the City of Eureka~~, 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 use1.5 cubic feet of water per second of time from the ground water through the City Wells #1, #2 and #3, the point of diversion of which ^{is} to be located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 14, SW $\frac{1}{4}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, Twp. 126N, Range 73W. Said water to be used for the purpose of providing ~~irrigation on the following described land:~~municipal supplies for the City of EurekaThis application No. 2249-3 will be considered by the Water Rights Commission at its office at Pierre upon the 21st day of May, 1975, at 2:30 P.M.. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

Encl: As stated

cc: Alfred Fischer, Mayor, City of Eureka, Eureka, S.D. 57437

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County McPherson) ss.

I, Orlando Millhoff hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Northwest Blade

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the
Northwest Blade of Eureka,

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

April 24, 1975

May 1, 1975

Orlando Millhoff
(Signature)

Publicist
(Title)

May 15 1975
(Date Signed)

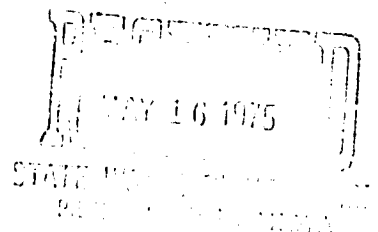
NOTICE
INTENT TO APPROPRIATE
WATER

Notice is hereby given that
the City of Eureka, South Da-
kota, has made an application
in accordance with the provis-
ions of the water laws of South
Dakota for a permit to appropri-
ate for beneficial use 1.5 cubic
feet of water per second of
time from ground water
through the City Wells No. 1,
No. 2 and No. 3, the points of
diversion of which are to be
located in the SE $\frac{1}{4}$, SE $\frac{1}{4}$ Sec-
tion 14, SW $\frac{1}{4}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$
SW $\frac{1}{4}$ of Section 13, Twp. 126N,
Range 73W. Said water to be
used for the purpose of provid-
ing municipal supplies for the
City of Eureka.

This application No. 2249-3
will be considered by the Water
Rights Commission at its office
at Pierre upon the 21st day of
May, 1975, at 2:30 P.M. All in-
terested persons may appear
and be heard.

WATER RIGHTS COM-
MISSION,

BURTON F. JONES,
Water Rights Specialist
4 - 24 - 5 - 1 - 75



Brotsky from Banner Associates
Brookings

Inquiring about City of Eureka's
water rights. Under Permit No. 2249-3.
city is using 2 wells with about $\frac{1}{2}$
of the cfs called for on the app.
Application mentions a future (3rd)
well.

He would like to know if it would be
possible at this time to submit an
application for the 3rd well and an
additional 1.0 cfs.

He is writing up the ~~new~~ application
at the present time and will send it
to the attention of Burt.

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

N2 4 6510

RECEIVED OF City of Eureka, SD 57437

PIERRE, AUGUST 17, 1977

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. _____	
Fee for inspecting Beneficial Use, and issuing Water License No. _____	
Fee for Issuing Location Certificate-Dry Draw, No. _____	
Fee for filing <u>extension of time for water right # 2249-3</u>	2 50
Fee for certified copy of _____	
Fee for Print copy of map _____	
Fee for Certifying _____	
Fee for _____ (any other work as provided by law)	
TOTAL	2 50

WATER RIGHTS COMMISSION

By [Signature]
Chief Engineer, Executive Officer

JOHN HATCH

APPLICATION FOR EXTENSION OF TIME

TO: Water Rights Commission
Foss Building
Pierre, South Dakota 57501

Date X 8-1-1978

Dear Sirs:

In Water Right Permit No. 2249-3 it is specified that the water diversion system is to be completed by May 22, 1976 and that the water is to be put to the limit of beneficial use by May 22, 1977.

I hereby request that the date for completing the diversion system be extended to May 22, 1980 and that the date for putting the water to the limit of beneficial use be extended to May 22, 1981.

The extension of time for the completion of these works is requested for the following reasons: Unable to complete with original amount of time
requested on the application

Enclosed herewith is a fee of Two Dollars and Fifty Cents (\$2.50) to pay the cost of filing this request for extension of time.

Donald F. Lapp
(Signed)

Permit Number _____

APPROVED.

9-13-78

WATER RIGHTS COMMISSION

BY: [Signature]



Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/224-3151

September 19, 1978

City of Eureka
Eureka, SD 57437

Gentlemen:

This is to inform you that your request for extension of time dated August 1, 1978 for Water Right Permit No. 2249-3 has been approved by the Water Rights Commission as follows:

The date for completing construction of the water system has been extended to May 22, 1980, and the date for putting the water to the limit of beneficial use has been extended to May 22, 1981.

Enclosed herewith is Receipt No. 46510 for \$2.50 fee for filing of this Approval of Extension of Time.

Very truly yours,

WATER RIGHTS COMMISSION

BY: BETTY WESTLUND, Water Rights Specialist I

BW/gy

encl

NOTE: Also enclosed is the recent application submitted to us on August 17, 1978. Well #3 was approved under permit No. 2249-3.

Water Rights Division
605 773-3352

723-3
2249-3

October 19, 1982

Nancy Hemmingson
Office of the Auditor
Box 655
Eureka SD 57437

Dear Ms. Hemmingson:

For your information on the City of Eureka's water rights, enclosed are
copies of the cities two permits.

Sincerely,

BETTY WFSTLUND
Water Rights Specialist

BW:ks

enclosures

Permit No. 2249-3Water District: Missouri River

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

I have this day made a thorough examination of the water use system constructed by the City of Eureka, PO Box 655 of Eureka, SD 57437-0655 holder of Permit No. 2249-3, bearing the priority of April 10, 1975 authorizing the diversion of 1.5 cu. ft. per second of the waters of groundwater for municipal purposes, in McPherson County.

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

A. Works used to divert the water:

Three wells as follows:

Well #1 - 117' deep equipped with an Aurora Verti/Line pump with a capacity of 300 GPM and a General Electric motor serial number 243242 which is rated at 30 HP.

Well #2 - 117' deep equipped with a Jacuzzi pump with a capacity of 150 GPM and a U.S. Electric motor model number 9601940-G-804 which is rated at 15 HP.

Well # 3 - 107' deep equipped with a Jacuzzi pump with a capacity of 150 GPM and a Franklin motor rated at 15 HP.

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

City of Eureka water distribution system.

C. Works used to apply water to beneficial use:

City of Eureka water distribution system.

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

Well # 1 - 412' N and 1300' E of SW corner of Sec. 13, T126N, R73W

Well # 2 - 450' N and 660' E of SW corner of Sec. 13, T126N, R73W

Well # 3 - 100' N and 185' W of SE corner of Sec. 14, T126N, R73W.

The works are capable of diverting and conveying to the place of use 1.34 cu. ft. per second of water which is to be used for municipal water supply.

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

Provides potable water to the citizens of Eureka SD

The license should be issued for 1.34 cfs. Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: none

Date Inspected: 7/31/91



DONALD E. FRYE, JR.
Natural Resources Analyst
DENR, Water Rights Division

LICENSE FOR PERMIT NUMBER 2249-3 - WELL #1

1. Legal location of wells: Sully Sully, SEC 13, T126N, R136W

dams & structures: _____

2. Well Information: Well Drilling Firm OAHE DRILLING
(OAHE DRILLING IS OUT OF BUSINESS - NO WELL LOG AVAILABLE)

Completion Report Yes _____ No X No. of Wells 1 Depth 117'

Casing	a) diameter _____	Screen	a) type _____
	b) length _____		b) length _____
	c) type _____	Static Water Level	_____
Pump	a) make <u>AURORA VERTI/LINE</u>	Motor	a) make <u>GENERAL ELECTRIC</u>
	b) model _____		b) ^{SERIAL} model No. <u>243242</u>
	c) size _____		c) horsepower rating <u>30HP</u>
	d) capacity <u>300</u> gpm		
	e) turbine pump - no. of stages _____		
	f) operating PSI _____		

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____	m) Outlet tubes:
b) height to primary spillway _____	1) diameter _____
c) height to secondary spillway _____	2) type _____
d) crest width _____	3) valved (Y/N) _____
e) crest length _____	4) valve type _____
f) spillway length _____	5) location on structure _____
g) spillway width _____	
h) approx. storage _____	n) Category of Dam _____
i) approx. storage to crest _____	
j) date constructed _____	
k) inspection sheet completed (Y/N) _____	
l) Name of Contractor _____	

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____

- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project 723-3

- | Yes | No | Check Items |
|----------|------------|---|
| ___ | <u>N/A</u> | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit? |
| <u>✓</u> | ___ | 2. Special qualifications to permit being abided by? |
| <u>✓</u> | ___ | 3. All structures, wells and lands on map? |
| ___ | <u>N/A</u> | 4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period? |
| ___ | <u>N/A</u> | 5. Is chemigation used? |
| ___ | <u>N/A</u> | 6. If yes, does equipment comply with chemigation rules? |

REMARKS:

NO WELL LOG AVAILABLE - CAUSE DRILLING IS OUT OF BUSINESS

LICENSE FOR PERMIT NUMBER 2247-3 well #2

1. Legal location of wells: SW 1/4 SW 1/4, SEC. 13, T126N, R73W

dams & structures: _____

2. Well Information: Well Drilling Firm OANE DRILLING
(OANE DRILLING IS OUT OF BUSINESS - NO WELL LOG AVAILABLE)

Completion Report Yes _____ No X No. of Wells 1 Depth 117'

Casing	a) diameter	<u>10"</u>	Screen	a) type	<u>WIRE WRAPPED STAINLESS STEEL</u>
	b) length	<u>89'</u>		b) length	<u>33'</u>
	c) type	<u>STEEL</u>		Static Water Level	<u>1.5'</u>
Pump	a) make	<u>JACUZZI</u>	Motor	a) make	<u>L.S. ELECTRIC</u>
	b) model	_____		b) model No.	<u>9601940-6-804</u>
	c) size	_____		c) horsepower rating	<u>15</u>
	d) capacity	<u>1.50</u> gpm			
	e) turbine pump - no. of stages	_____			
	f) operating PSI	_____			

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____	m) Outlet tubes:
b) height to primary spillway _____	1) diameter _____
c) height to secondary spillway _____	2) type _____
d) crest width _____	3) valved (Y/N) _____
e) crest length _____	4) valve type _____
f) spillway length _____	5) location on structure _____
g) spillway width _____	
h) approx. storage _____	n) Category of Dam _____
i) approx. storage to crest _____	
j) date constructed _____	
k) inspection sheet completed (Y/N) _____	
l) Name of Contractor _____	

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project 723-3

Yes	No	Check Items
___	<u>N/A</u>	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
<u>✓</u>	___	2. Special qualifications to permit being abided by?
<u>✓</u>	___	3. All structures, wells and lands on map?
___	<u>N/A</u>	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
___	<u>N/A</u>	5. Is chemigation used?
___	<u>N/A</u>	6. If yes, does equipment comply with chemigation rules?

REMARKS:

LICENSE FOR PERMIT NUMBER 2249-3 WELL #3

1. Legal location of wells: SE¹/₄ SE¹/₄ SEC 14, T126N, R73W

dams & structures: _____

2. Well Information: Well Drilling Firm CAHE DRILLING
(CAHE DRILLING IS OUT OF BUSINESS - NO WELL LOG AVAILABLE)

Completion Report Yes No No. of Wells 1 Depth 107'

Casing	a) diameter	<u>6"</u>	Screen	a) type	<u>WIRE WRAPPED STAINLESS STEEL</u>
	b) length	<u>80'</u>		b) length	<u>27'</u>
	c) type	<u>STEEL</u>		Static Water Level	<u>1.5'</u>
Pump	a) make	<u>JACUZZI</u>	Motor	a) make	<u>FRANKLIN</u>
	b) model	_____		b) model No.	_____
	c) size	_____		c) horsepower rating	<u>15</u>
	d) capacity	<u>150</u> gpm			
	e) turbine pump - no. of stages	_____			
	f) operating PSI	_____			

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____	m) Outlet tubes:
b) height to primary spillway _____	1) diameter _____
c) height to secondary spillway _____	2) type _____
d) crest width _____	3) valved (Y/N) _____
e) crest length _____	4) valve type _____
f) spillway length _____	5) location on structure _____
g) spillway width _____	
h) approx. storage _____	n) Category of Dam _____
i) approx. storage to crest _____	
j) date constructed _____	
k) inspection sheet completed (Y/N) _____	
l) Name of Contractor _____	

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project 723-3

Yes No Check Items

- | | | |
|----------|------------|---|
| ___ | <u>N/A</u> | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit? |
| <u>✓</u> | ___ | 2. Special qualifications to permit being abided by? |
| <u>✓</u> | ___ | 3. All structures, wells and lands on map? |
| ___ | <u>N/A</u> | 4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period? |
| ___ | <u>N/A</u> | 5. Is chemigation used? |
| ___ | <u>N/A</u> | 6. If yes, does equipment comply with chemigation rules? |

REMARKS:

This well was designated as well #1 on permit, it is now called this well #3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

August 14, 1991

2249-3

Melvin Geist, Mayor
City of Eureka
PO Box 655
Eureka, SD 57437-0655

Dear Mayor Geist:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 2249-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Genny McMath
Natural Resources Analyst
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

South Dakota Department of Water and Natural Resources

Pierre, September 11, 1991

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

50 | 00

Fee for _____

Total

50.00

By

Chief Engineer

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 2249-3

(1) The City of Eureka of P.O. Box 655, Eureka, SD 57437-0655 made Application No. 2249-3, April 10, 1975 for a water permit to appropriate 1.34 cubic feet of water per second from groundwater, McPherson County, South Dakota for municipal purposes. Permit No. 2249-3 with a priority date of April 10, 1975 was approved May 22, 1975 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before May 22, 1980 and for the application to beneficial use of said water on or before May 22, 1981.

(2) It is certified that the applicant 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 1.34 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 412'N and 1300'E of the SW corner of Section 13 (SW 1/4 SW 1/4); Well #2 - 450'N and 660'E of the SW corner of Section 13 (SW 1/4 SW 1/4); Well #3 - 100'N and 185' W of the SE corner of Section 14 (SE 1/4 SE 1/4), all in T126N, R73W.

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to Section 46-5-30.1 the City of Eureka of P.O. Box 655, Eureka, SD 57437-0655 the holder(s) and/or owner(s) of Water Permit No. 2249-3 is issued a license to appropriate water, the right to use 1.5 cubic feet of water per second from groundwater (three wells) with a priority date of April 10, 1975 from the location specified in (2) of this license. The water is diverted through the city's distribution system for municipal purposes. This license is subject to any limitations or qualifications listed in Water Permit No. 2249-3 and subject to South Dakota State Law.


SEP 27 1991
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

GREAT FACES. GREAT PLACES.

SEP 27 1991

2249-3

City of Eureka
P.O. Box 655
Eureka, SD 57437-0655

Dear Sirs:

Enclosed is Water License No. 2249-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 412829 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 2249-3, 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.

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.

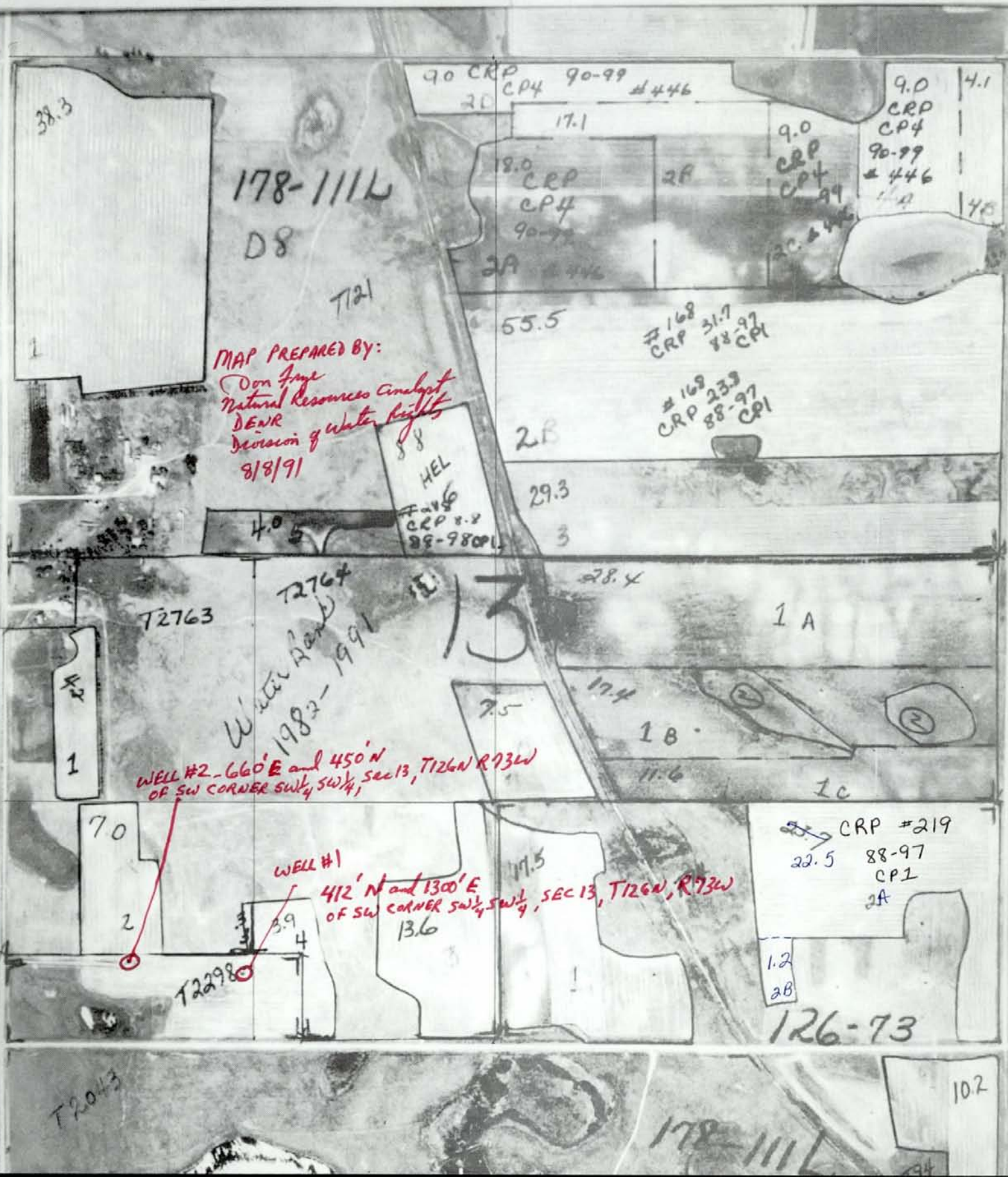
Very truly yours,

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

enclosures

2249-3

NOT TO SCALE



NOT TO SCALE

137.1

T111

1

152.3

HEL

T123

1

Map prepared by:

Don Frye

Natural Resources Analyst

DENR

Water Rights Division

8/8/91

#38 58.8 AC.
CRP 87-96
CPI

#118 40.6
CRP 88-97
CPI

23.4

9.7

2

15.0

1

9.6

4

1

T112

T99

7.1

3

SE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 14 T126N R73W
185' W and 100' N of SE CORNER of
SE $\frac{1}{4}$, SE $\frac{1}{4}$

11.2

2

126-73

Wall #3

43.5

T112

T96

178-109L

C8

SEC. 13 T126 R73W

SEC. 24 T126N R73W

SEC. 14 T126 R73W

SEC. 23 T126N R73W

FUTURE WELL N° 3
S $\frac{1}{2}$ SW $\frac{1}{4}$ SEC. 13 - T126N - R73W
RATE = 250 g.p.m.

WELL N° 2
S $\frac{1}{2}$ SW $\frac{1}{4}$ SEC. 13 - T126N - R73W
RATE = 200 g.p.m.

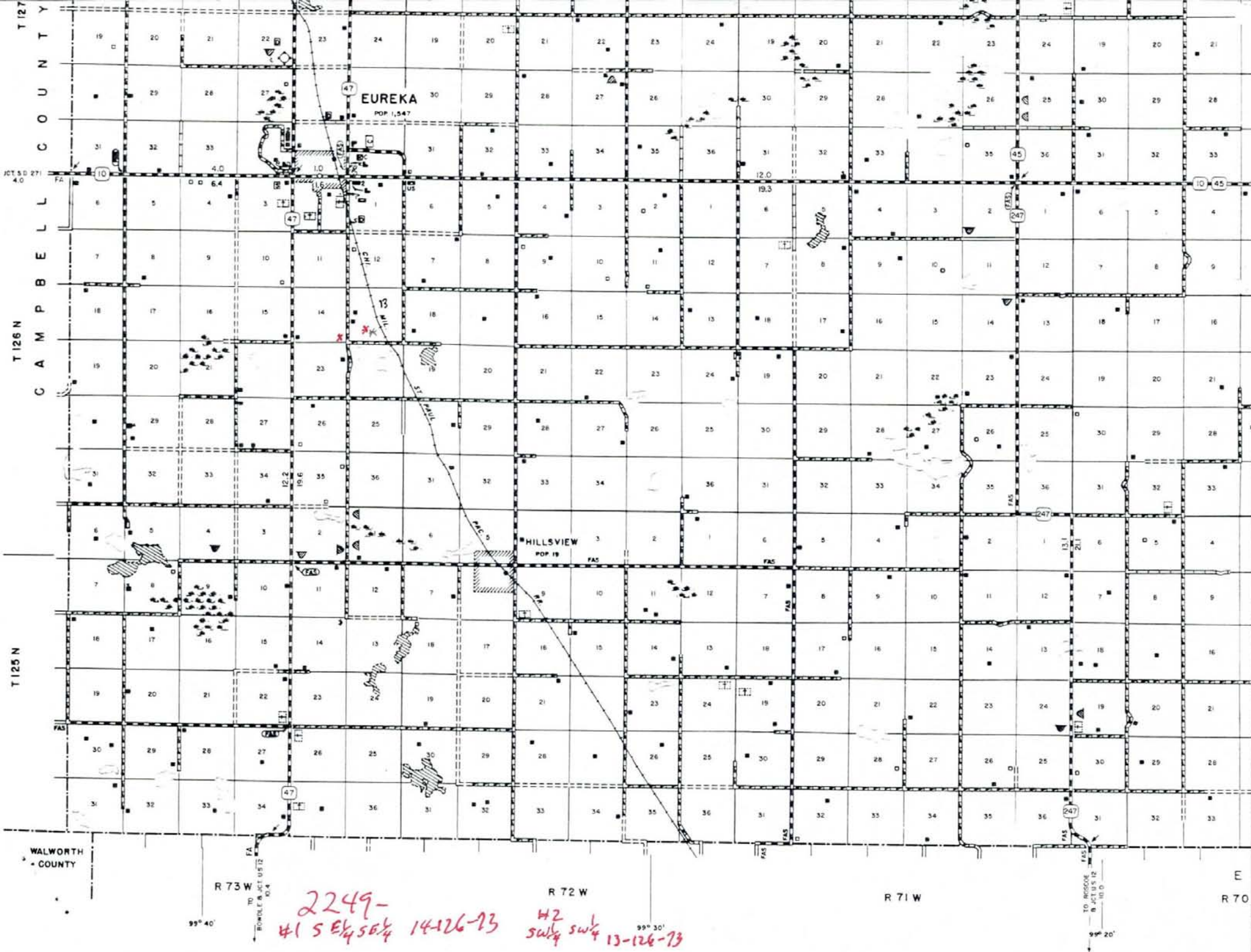
WELL N° 1
SE $\frac{1}{4}$ SEC. 14 - T126N - R73 W
RATE = 150 g.p.m.

SECTION LINE

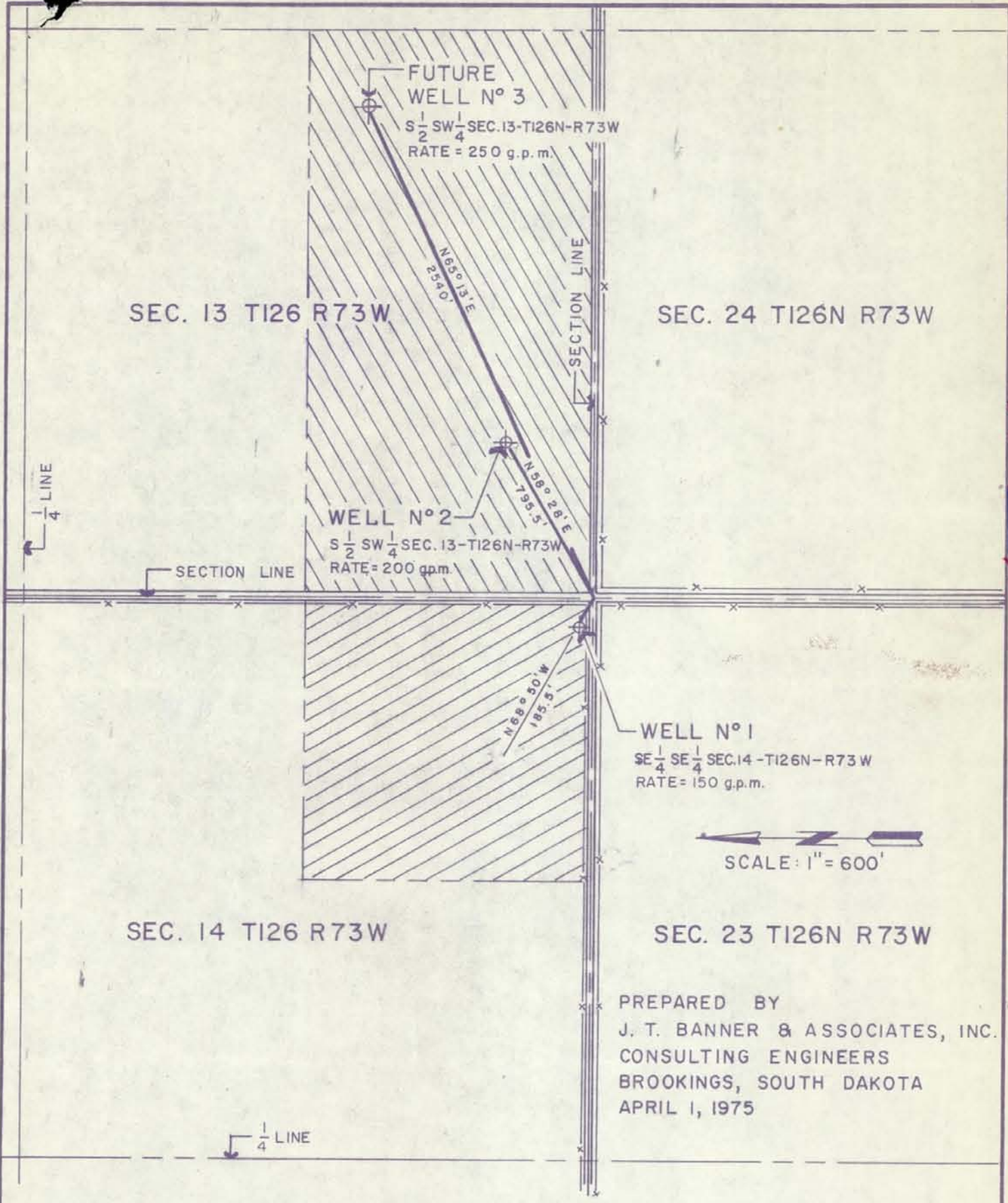
SCALE: 1" = 600'

PREPARED BY
J. T. BANNER & ASSOCIATES, INC.
CONSULTING ENGINEERS
BROOKINGS, SOUTH DAKOTA
APRIL 1, 1975

1. Let f in $V_{\alpha}^{p, \lambda}(\mathbb{R}^n)$, $\lambda \in \mathbb{R}$, $\alpha \in \mathbb{R}$, and $\beta \in \mathbb{R}$, $\alpha + \beta \geq 0$. For α, β to be



Map No. 16423 App. No. 2249-3



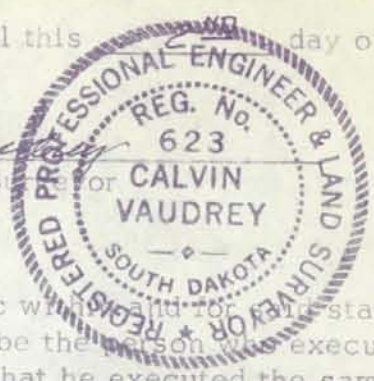
SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

I, Calvin Vaudrey, a Registered Land Surveyor in the State of South Dakota, do hereby certify that at the request of the City of Eureka, South Dakota, I did prepare the map on this sheet from existing information and that I did survey and locate the sites for which application for an appropriate water rights to withdraw underground waters for municipal purposes is made, and that this map is a true representation thereof.

In witness whereof, I have hereunto set my hand and seal this April day of April, A.D. 1975.

Calvin Vaudrey
Registered Land Surveyor



STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

On this day, before me, the undersigned, a Notary Public within and for the state and county, personally appeared Calvin Vaudrey, known to me to be the person who executed the foregoing Surveyor's Certificate and acknowledged to me that he executed the same.

Witness my hand and seal this 2nd day of April, A.D. 1975.

Kenneth J. Butch
Notary Public

My commission expires January 4, 1980
My commission expires _____