

Considered: _____

WATER PERMIT NO. 5127A-3

MAP No. same

Name of Applicant City of Sioux Falls

Post Office Address 224 West 9th Str., Sioux Falls SD 57102

Amount of Water Claimed no add'l Total Acres NA

Source of Water Supply Big Sioux Aquifer

Water to be used for municipal purposes County Minnehaha

About 5 1/2 miles S of Baltic

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received July 16, 1987 Fee 50⁰⁰ Remarks amend No. 5127-3
to include the W 1/2 section 4-T102N-R49W in expansion area, but not allow
add'l wells or water appropriation

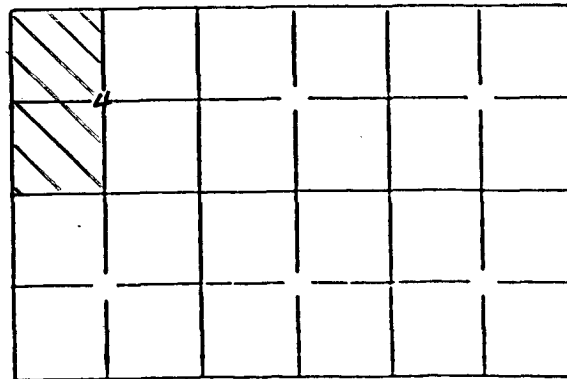
Corrected Application Received _____ Period of Annual Use Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point expansion area: W 1/2 section 4 -
T102N-R49W

Land to be Irrigated NA



Well Log: Driller Lacey

Licensed YES ☒ NO _____

Depth of Well ~ 40 feet

REMARKS _____

Type of Map topo PREPARED BY Gary Patton & Ron Duvall Reviewed and the Number
assigned on July 21, 1987 By Ron Duvall

Mail to: Water Rights Div.
DWNR, Foss Bldg.
Pierre, SD 57501
(605) 773-3352

No. 5127A-3 Hydrologic Unit 10170203
Map No. same Basin Big Sioux River
Newspaper Araus Leader, P.O. Box 5034 zip 57117
Sioux Valley News, Box 255 Canton (Iowa)

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☒ Other Common Distribution System ☐
Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
Domestic ☐ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

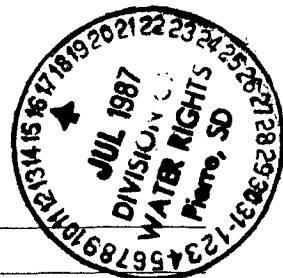
New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☒ Amend Permit No. 5127-3 with old priority date retained

Change diversion point(s) ☐ Add diversion point(s) ☐ Other ☐

☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____

☒ Construction to use water reserved by Future Use Permit No. 448-3



1. Name of Applicant City of Sioux Falls Phone No. 339-7025

Post Office Address 224 West 9th Street, Sioux Falls, SD State 57102
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s.) No Add'l.

3. Source of water supply groundwater 8 wells authorized by Permit No. 5127-3

4. Location of point of diversion W $\frac{1}{2}$ Section 4-T102N-R49W

County Minnehaha

5. Counties where water will be used Minnehaha & Lincoln

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

7. Give a brief description of proposed 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)

This application is an amendment to Water Permit No. 5127-3 to include the W $\frac{1}{2}$ Section 4-T102N-R49W in the well field expansion area. No increase in number of wells to be constructed or in water appropriated is authorized by this application.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
County of Minnehaha)^{ss}

I, Richard A. Willer, Utilities Director 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 Richard A. Willer

Subscribed and sworn to before me this 14th day of July, 1987

Ester K. Bolter
My Commission Expires December 28, 1992 Notary Public

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 5127A-3

<u>City of Sioux Falls</u> (Applicant) <u>Sioux Falls, South Dakota</u> (City) (State)	<u>224 West 9th Street</u> (Street, RR or Box) <u>57102</u> (Zip Code)
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With the following qualifications.

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Maximum annual withdrawals authorized by Permits No. 5127-3 and 5127A-3 are 2160 acre feet.
3. The wells constructed pursuant to this permit shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04.

Date of first receipt of application July 16, 1987

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

Date of receipt of corrected application _____, 19____. Approved September 9, 1987

The Water Management Board approved this Water Permit No. 5127A-3 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is July 16, 1987
2. The equivalent of at least one-fifth of the specified work is to be completed on or before March 9, 1990
3. The whole of said work is to be completed on or before September 9, 1992
4. The limit of time for proof of beneficial use of water appropriated in accordance herewith is September 9, 1996
5. The water appropriated shall be used for the purpose of municipal use for the City of
Sioux Falls.
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 unlawfully impaired by this appropriation.
7. The amount of the appropriation granted shall not exceed No Add'l cubic feet per second; neither shall it exceed the amount of water needed for the beneficial uses served and to which water is actually and beneficially applied for municipal use on or before September 9, 1996. The water is to be used during the following described annual period: January 1 - December 31

WATER MANAGEMENT BOARD

By: 
Chief Engineer **JOHN HATCH**
 Division of Water Rights
 Dept. of Water and Natural Resources
NOV 3 1987

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 inches Depth 40 feet
- b) Casing Type black steel Diameter 12 inches Thickness 0.375 inches
wire wound
- c) Screen Type stainless steel Diameter 12 inches Thickness 0.750 inches
- d) Gravel Pack Thickness 4 inches Length of Gravel Pack 30 feet
- e) Depth to Top of Water Bearing Material 10 feet
- f) Depth of Water (ground surface to water level) 10 feet
- g) Distance to nearest existing domestic well:

	Well	Distance
On applicants property	87.1	1600 ft.
On property owned by others	87.2	700 ft.
	87.3	1300 ft.
	87.4	600 ft.
	87.5	1100 ft.
	87.6	700 ft.
	87.7	2500 ft.
	87.8	3000 ft.

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

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

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

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Outlet Dimensions:

Pipe diameter _____

Spillway width _____

f) X & Y Slope

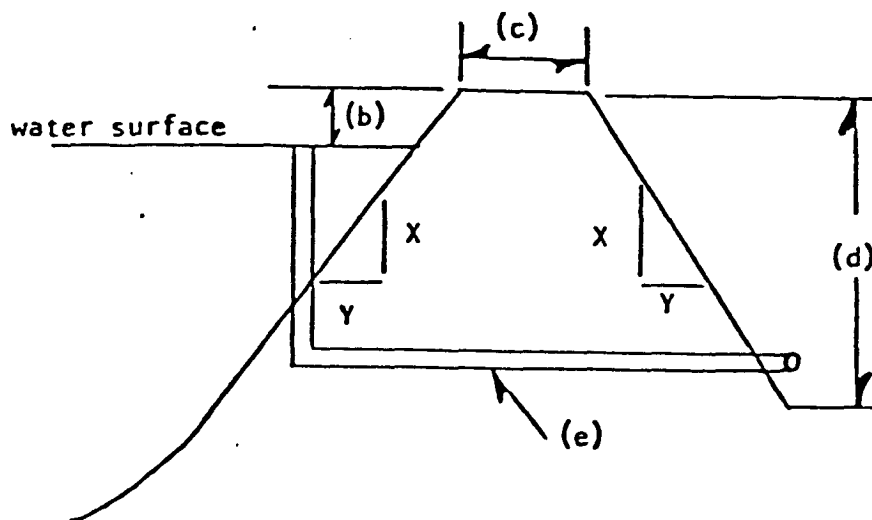
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____

ATTACHMENT TO FORM 2

Item

4. Location of points of diversion. (see attached map)

<u>Well</u>	<u>Location</u>
87-1	400' S., 1700' W. of NE Cor. Sec. 8-102-49
87-2	700' S., 1100' W. of E 1/4 Cor. Sec. 5-102-49
87-3	100' S., 1100' W. of E 1/4 Cor. Sec. 5-102-49
87-4	500' N., 1000' W. of E 1/4 Cor. Sec. 5-102-49
87-5	1100' N., 1000' W. of E 1/4 Cor. Sec. 5-102-49
87-6	100' N., 900' E. of SW Cor. Sec. 4-102-49
87-7	Center of Sec. 4-102-49
87-8	100' S. of N 1/4 Cor. Sec. 4-102-49

7. 1987 Well Field Expansion: Sioux Falls, South Dakota

The proposed well spacings are based on the recommendations of the preliminary engineering report for the 1986 Well Field Expansion, as aquifer characteristics are expected to be similar in the 1987 expansion area.

The City is in the process of obtaining exploration leases and land purchase options in the area. Exploratory drilling to verify the proposed well locations will start immediately. Some potential sites may be deleted or moved in accordance with the findings of the exploratory drilling and test pumping.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

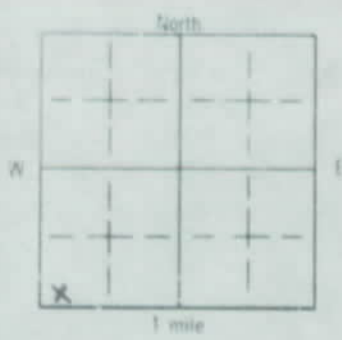
51273

10-85

Location SW Sec 4 Twp 102N Rg 49W

County Minnehaha

Please mark well location with an 'X'



Well Completion Date May 88

PROPOSED USE

- ☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling

false casing

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
49.56 LB/FT	12 IN	0 FT	28 FT	20 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT

Was the well grouted? ☒ YES ☐ NO

To what depth? 12' FEET

What is grouting material? Cement

If cement number of sacks? 7

Describe grouting procedure tremie pipe gravity feed

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☒ Manufactured

Diameter 12" IN Length 8 FEET

Material stainless steel

Slot Size #100 Set From 28 Feet To 36 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain chlorine solution

Well Owner

Name City of Spear Falls

Address _____

Well Log _____

Formation

	From	To
<u>Top soil</u>	<u>0</u>	<u>2</u>
<u>clay</u>	<u>2</u>	<u>9</u>
<u>sand F-M</u>	<u>9</u>	<u>12</u>
<u>sand M-C</u>	<u>12</u>	<u>36</u>
<u>clay</u>	<u>36</u>	<u>40</u>

STATIC WATER LEVEL 9'-1" Feet

If flowing closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA

☒ Pumped

☐ Bailed

☐ Other

Describe

gas driven turbine

Pumping Level Below Land Surface

24 ft After 72 Hrs pumped 500 GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS

Well # 54



This well was drilled under license # 129

And this report is true and accurate

Drilling firm Spear Well Drilling

Signature of License Representative

Wayne H. Wagner

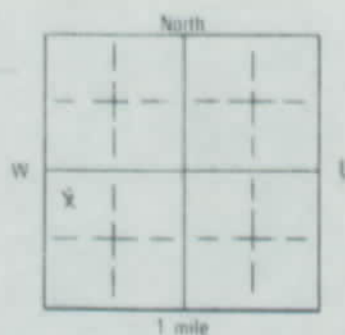
Signature of Well Owner

RECORD SECTION 251/ ROLL NO 11-4
 DATE RECEIVED 3-9-90
 CASH OPERATOR

5127-3 10-85

County Minnesota

Please mark well
location with
an "X"

Well Completion Date June 88

☐ Domestic	☒ Municipal	☐ Test Holes
☐ Irrigation	☐ Industrial	☐ Stock

False Lasing

☒ Steel ☐ Plastic ☐ Other: _____
or describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
49.56 LB/FT	IN	0 FT	25 FT	20 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

To what depth? 12 FEET

Describe grouting procedure gravity feed
with tremie pipe

What was grout weight? _____ (LB/GAL)

Diameter 12 IN Length 10 FEETSlot Size 100 Set From 25 Feet To 35 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information

If so, what waters?

Describe packer(s) and location?

Was well disinfectant upon completion? ☒ YES ☐ NO

Name City of Sioux Falls

Address

Well Inc.

Formation

Deaths

From	To
Top soil	0 2
clay	2 11
sand M-C	11 24
sand M	24 35
clay	35 40

STATIC WATER LEVEL 9'-5" Feet

If flowing, closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in?

WELL TEST DATA

☒ Pumped
☐ Bailed
☐ Other

Describe gas driven turbine

Pumping Level Below Land Surface

24	ft	After	72	Hrs	pumped	500	GPM
	ft	After		Hrs	pumped		GPM
	ft	After		Hrs	pumped		GPM

REMARKS Well # 56



This well was drilled under license # 129

And this report is true and accurate.

Drilling firm Sevier Well Drilling

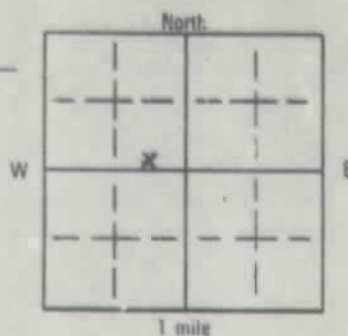
Signature of License Representative

Wayne H Wagner

Signature of Well Owner _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 NW 1/4 Sec 4 Twp 102 N R. 49 WCounty
MinnehahaPlease mark well
location with
an "X"Well Completion Date Aug 87

PROPOSED USE

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling

false casing method

CASING DATA

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
49.56 LB/FT	12 IN	0 FT	28 FT	20 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT

Was the well grouted? ☒ YES ☐ NOTo what depth? 8' to 11' FEETWhat is grouting material? cement

If cement, number of sacks? _____

Describe grouting procedure gravity feed with tremie pipe

What was grout weight? _____ LB/GAL

SCHEDULE ☐ Perforated pipe ☒ ManufacturedDiameter 12" PS IN Length 10 FEETMaterial stainless steelSlot Size .125 Set From 28 Feet To 38 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Well Owner

Name City of Sioux Falls

Address _____

Well Log _____

Formation _____

Depth

Formation	From	To
top soil	0	4
clay	4	8
silt	8	12
sand M-C	12	38
clay	38	

STATIC WATER LEVEL 8 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA

☒ Pumped☐ Bailed☐ OtherDescribe gas driven turbine pump + meter

Pumping Level Below Land Surface

24 ft After 72 Hrs. pumped 500 GPM

_____ ft After _____ Hrs. pumped _____ GPM

_____ ft After _____ Hrs. pumped _____ GPM

REMARKS Well # GThis well was drilled under license # 129

And this report is true and accurate.

Drilling firm Sioux Falls Drilling

Signature of License Representative

Thomas H. Hoerner
 RECORDING, SECTION 251 ROLL NO. 4-3
 DATE MICROFILMED 1-20-89

Township Number	Range Number	Section No.	Tract No.
N or S	E or W		

3. PROPERTY OWNER'S NAME

Address

Progress (east side)

4. WELL DEPTH (completed)

Date of Completion

ft.

1. ☐ Cable tool ☐ Reverse ☐ Drive ☐ Dig
 2. ☐ Hand-dug ☐ Air ☐ Bored ☐ _____
 3. ☐ Rotary ☐ Jetted ☐ Power Auger

5. USE

- ☐ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Municipal ☐ Commercial
☐ Test Well ☐ Air Conditioning ☐ _____

7. CASING

- ☐ Mark ☐ Threaded ☐ Public Supply ☐ Industry
☐ Galv. ☐ Welded ☐ Municipal ☐ Commercial
☐ Plastic ☐ _____ ☐ Air Conditioning ☐ _____
- HEIGHT: Above/Below _____ ft.
 Drive Shaft? Yes _____ No _____
 _____ in. to _____ ft. Weight _____ lbs./ft. _____ in. to _____ ft.
 _____ in. to _____ ft. Weight _____ lbs./ft. _____ in. to _____ ft.
 _____ in. to _____ ft. Weight _____ lbs./ft. _____ in. to _____ ft.

8. SCREEN

- Make _____ Or open hole from _____ ft. to _____ ft.
 Type _____ Dia. _____
 Slot/Coarse _____ Length _____ FITTINGS:
 Set between _____ ft. and _____ ft.
 _____ ft. and _____ ft.

9. STATIC WATER LEVEL

- _____ ft. below land surface ☐ above Date Measured _____

10. PUMPING LEVEL (below land surface)

- _____ ft. after _____ hrs. pumping _____ S.P.M.
 _____ ft. after _____ hrs. pumping _____ S.P.M.

11. WELL HEAD COMPLETION

- ☐ Pullman adapter, manufacturer _____ model _____
☐ Basement offset ☐ At least 12" above grade

12. WELL GROUTED?

- ☐ Yes ☐ No
☐ First Contact ☐ Breakable ☐ _____
 Grout material _____ from _____ to _____ ft. Co. Yrs. _____

13. NEAREST SOURCES OF POSSIBLE CONTAMINATION

- _____ feet _____ direction _____ type
 Well disinfected upon completion? Yes ☐ No ☐

14. PUMP

- Date installed _____ ☐ Not installed
 Manufacturer's Name _____
 Model Number _____ HP _____ Volts _____
 Length of drop pipe _____ ft. capacity _____ S.P.M.
 Material of drop pipe _____
 Type: ☐ Submersible ☐ L. S. Turbine ☐ Reciprocating
☐ Jet ☐ Centrifugal ☐ _____

15. WATER WELL CONTRACTOR'S CERTIFICATION

This well was drilled under my jurisdiction and this report is true to

the best of my knowledge and belief.

Donald J. Kelly
 Licensee Business Name _____ License No. _____

Address _____

Signed _____

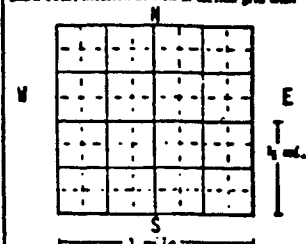
Authorized Representative

Date _____

Date _____

Show exact location of well on section grid with "X."

Sketch map of well location.



Address Name
Block Number
Lot Number

Proposed
Well 87-1

2. FORMATION LOG	COLOR	NATURE OF FORMATION	FROM	TO
Best hole # 3 F.				
top soil			0	4
sandy clay			4	16
sand MF			16	28
sand MF-M			28	36
clay			36	46
Fluid loss (gals.)				
25 to 30			20 to 25	
30 to 36			20 to 25	
9/7/86 water level			10'-4"	
Ground level				
1030 screen			2" dia	
Use a second sheet, if needed				

REMARKS, ELEVATION, SOURCE OF DATA, etc.

Rome potential

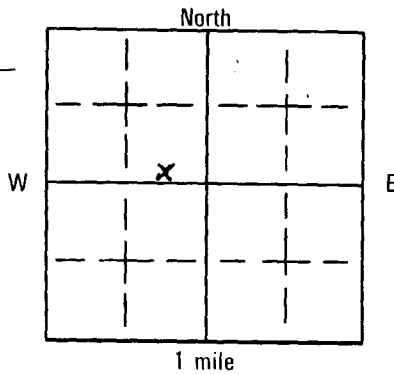
WORK COPY

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 NW 1/4 Sec 4 Twp 102 N Rg 49 WCounty Minnehaha

Please mark well location with an "X"

Well Completion Date Aug 87

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

false casing method

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>49.56</u> LB/FT	<u>12</u> IN	<u>0</u> FT	<u>28</u> FT	<u>20</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 8' to 11' FEETWhat is grouting material? cement

If cement, number of sacks? _____

Describe grouting procedure gravity feed with tremie pipe

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12" PS IN Length 10 FEETMaterial stainless steelSlot Size 125 Set From 28 Feet To 38 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain 50 PPM chlorine solutionBacteriological analysis ☒ YES ☐ NOLaboratory sent to City of Sioux Falls

Well Owner:

Name City of Sioux Falls

Address _____

Well Log:

Depth

Formation

From

To

top soil04clay48silt812sandM-C1238clay38STATIC WATER LEVEL 8 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumpedgas driven turbine☐ BailedDescribe: pump + meter☐ Other _____

Pumping Level Below Land Surface

24 ft. After 72 Hrs. pumped 500 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: Well # GThis well was drilled under license # 129

And this report is true and accurate.

Drilling firm Sioux Well Drilling

Signature of License Representative:

Blayne H. Wagner

Signature of Well Owner:

Date Feb 88

10-85

Date Feb 88

10-85

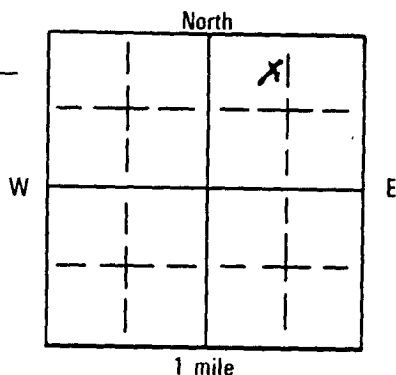
Date Feb 88

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 NE 1/4 Sec 8 Twp 102-N Rg 49-WCounty Minnehaha

Please mark well location with an "X"

Well Completion Date May 19, 1987

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 12' FEETWhat is grouting material? Bentonite

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ ManufacturedDiameter 12' IN Length 10' FEETMaterial Stainless SteelSlot Size 180 Set From 392' Feet To 486' Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name City of Sioux Falls

Address _____

Well Log:

Depth

Formation

From

To

Topsoil04Brown clay48mud810Fine Sand1014Grey Sand1416Mud lane16'16 1/2"Uniform Sand16 1/2"19'Coarse Sand1940Medium Sand4044STATIC WATER LEVEL 6' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

29 ft. After 4 Hrs. pumped 600 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

will be finished with
a 12" Baker Pitter
being up

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm Lacey Well Drilling

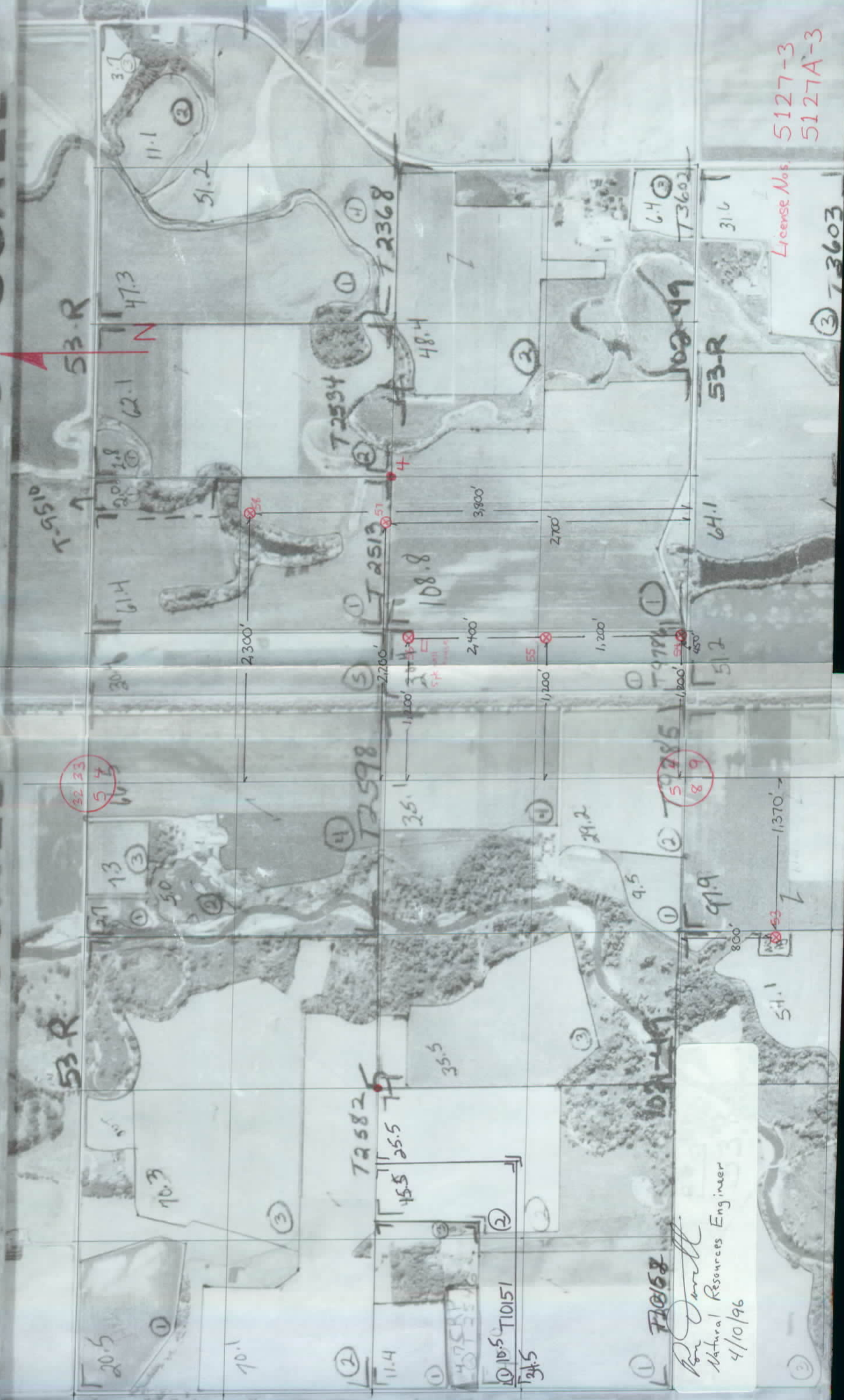
Signature of License Representative:

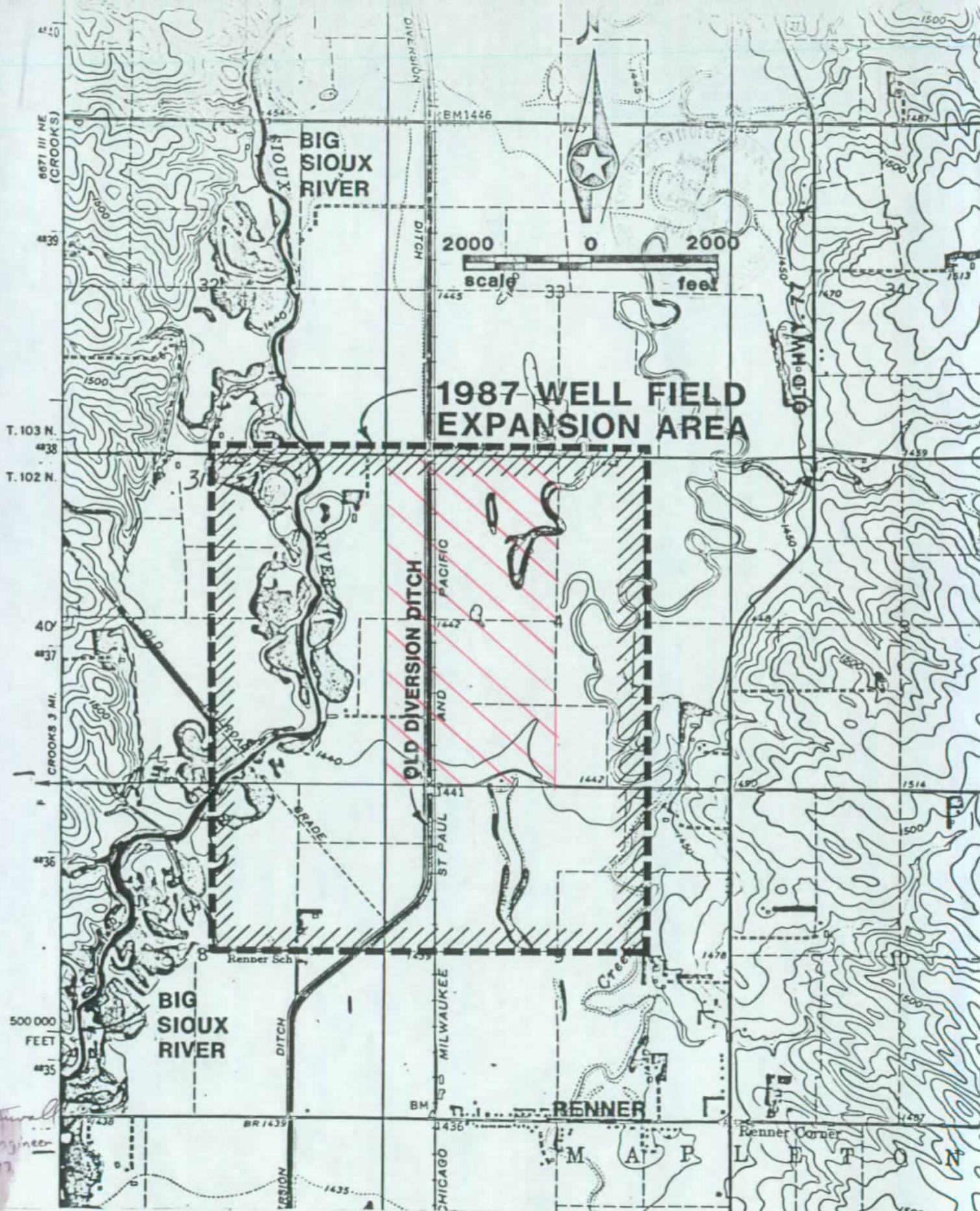
Signature of Well Owner: Richard A. Smith

UTILITIES DIRECTOR

Date 5-20-87

NOT TO SCALE





LOCATION PLAN *Appl. No. 5127A-3* SHEET NO. 1



DeWid Grant Reckert & Associates Co.
 Denver, Colorado
 Rock Rapids, Iowa
 Sioux City, Iowa
 Sioux Falls, South Dakota

Date 3/17/87
 Drawn By BH
 Approved GJP

PROJ. #3726

1987 WELL FIELD EXPANSION
 SIOUX FALLS, SOUTH DAKOTA

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410935

Pierre, July 16, 1987

RECEIVED OF City of Sioux Falls, 224 West 9th St., Sioux Falls, SD 57102

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

Fee for Application for Permit No. <u>5127A-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)		
Total	50	00

By

John Hatch
Chief Engineer JOHN HATCH 

Report on Application No. 5127A-3
City of Sioux Falls
July 27, 1987

Water Permit Application No. 5127A-3 was submitted for the City of Sioux Falls to amend Permit No. 5127-3. Water Permit No. 5127-3 authorizes a water appropriation of 8.0 cubic feet of water per second (2160 acre-feet annually) from up to 8 Big Sioux Aquifer wells to be located in areas of sections 4, 5, 8 and 9 of T102N, R49W to supply water for the City of Sioux Falls. The W1/2, Sec. 4, T102N, R49W was omitted from Permit No. 5127-3 due to a publication error on the legal notice of hearing. This application proposes to amend Permit No. 5127-3 to include the W1/2, Sec. 4, T102N, R49W in the well field expansion area for the City of Sioux Falls.

Water Availability

There is water available for Water Permit No. 5127A-3 as this application does not authorize any additional water appropriation or additional well construction beyond the 8 cfs and 8 wells already authorized by Water Permit No. 5127-3.

Existing Water Rights

A review of the existing water rights in the area was conducted by James Goodman of the Water Rights staff in March, 1987 in regard to Water Permit Application No. 5127-3. The W1/2 of Sec. 4, T102N, R49W was also included in the water rights review by Mr. Goodman.

Interference with other existing irrigation permits may occur depending upon the location of the city wells, and the recharge conditions during that growing season. These irrigation permits all have later priority dates than Sioux Falls Future Use Permit No. 448-3, allowing Sioux Falls first claim to the water (Water Rights Division Report, 1987).

Conclusions

1. Water Right Application No. 5127A-3 was submitted to amend Application No. 5127-3 due to an initial publication error. A portion of the well field area, the W1/2, Sec. 4, T102N, R49W, was omitted on Permit Application No. 5127-3, and is being advertised under Permit Application No. 5127A-3.
2. Water is available from the Big Sioux Aquifer for this application as no additional water is authorized.
3. Interference with existing irrigation wells may occur, but adverse effects may be avoided if the spacing of the city wells

and the timing of their use are coordinated with nearby irrigation wells.

Tom Brandner

Tom Brandner
Natural Resources Engineer

References

Water Rights Division, March 21, 1987, Report on Application No. 5127-3, City of Sioux Falls.

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5127A-3

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5127A-3, City of Sioux Falls, 224 W 9th St., Sioux Falls, SD.

The Chief Engineer is recommending APPROVAL of Application No. 5127A-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Maximum annual withdrawals authorized by Permits No. 5127-3 and 5127A-3 are 2160 acre feet.
3. The wells constructed pursuant to this permit shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04.

See the attached report for additional information.


JOHN HATCH, Chief Engineer
July 30, 1987

Conversation or File Documentation

NAME OF PERSON OR FILE: City of Sioux FallsADDRESS: _____ COUNTY MinnehahaDATE: 4/20/87 TELEPHONE 605 - 339 - 7025

RE: _____

COMMENTS:

A publication error omitted the W $\frac{1}{2}$ section 4-T102N-R49W from the Sioux Valley News legal ad. I contacted Gary Patton (DGR) and Larry Doss (City of Sioux Falls) and informed them of the publication error. I told Mr. Patton & Mr. Doss that any wells constructed in the W $\frac{1}{2}$ section 4 must be within 660 feet of the advertised areas. Mr. Patton & Mr. Doss both wanted to proceed with Application No. 5127-3 and reapply for the W $\frac{1}{2}$ section 4 if a well was to be constructed beyond 660 feet from the advertised area. The publication by the Argus Leader is correct.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Ron Duvall



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol

Pierre, South Dakota 57501-3181

WATER RIGHTS DIVISION

(605) 773-3352

July 2, 1987

Richard A. Willer, Utilities Director
City of Sioux Falls
224 West 9th Street
Sioux Falls, South Dakota 57102

Dear Mr. Willer:

This letter is in response to a phone conversation with Gary Patton regarding Water Permit Application No. 5127-3. Mr. Patton indicated that the City of Sioux Falls has purchased options on land for construction of wells in the W $\frac{1}{2}$ Section 4- T102N- R49W. As I stated during the Board meeting on May 6, 1987, this acreage was omitted from the public notice in the Sioux Valley News due to publication errors. Therefore, construction of works in this area cannot be completed due to improper public notice. I was instructed to proceed with Application No. 5127-3 on April 20, 1987 even though a well cannot be located on portions of the W $\frac{1}{2}$ Section 4.

Mr. Patton called to determine what action was needed to include the W $\frac{1}{2}$ Section 4 in the well field expansion area. A determination was made to amend Application No. 5127-3 (assuming Application No. 5127-3 is given final approval at the Board meeting on July 8, 1987) to include the W $\frac{1}{2}$ Section 4. Enclosed are the necessary forms to make an application to amend Application No. 5127-3. The forms need to be signed and notarized and then returned with a \$50.00 application fee.

Please contact Gary Patton or our office if you have any questions.

Sincerely,

Ron Duvall
Natural Resources Engineer

RD:ms
Enc.

cc: Gary Patton

SOUTH Dakota Department of
Water & Natural Resources

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

WATER RIGHTS DIVISION
(605) 773-3352

July 30, 1987

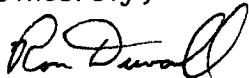
Clarence H. Machmiller
Route 1, Box 156
Renner, South Dakota 57055

Dear Mr. Machmiller:

Enclosed is a copy of the publication notice for Permit Application No. 5127A-3 for the City of Sioux Falls. This notice has been sent to you because the locations of the proposed wells are near your irrigation wells.

Please contact us if you have any questions.

Sincerely,



Ron Duvall
Natural Resources Engineer

RD:ms
Enc.



Department of Water & Natural Resources

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

Water Rights Division
(605) 773-3352

July 31, 1987

NOTE:

TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT THE
NEWSPAPER RIGHT AWAY.

City of Sioux Falls
224 West 9th Street
Sioux Falls, South Dakota 57102

Dear Sir:

Your Application No. 5127A03 for a permit to appropriate water for

municipal use, has been examined and found to
comply with the South Dakota Water Laws and applicable rules. A notice of
your intent to appropriate water has been sent to the Publisher of the

Sioux Valley News

printed at Canton, SD

Sioux Falls Argus Leader

printed at Sioux Falls

South Dakota. For your information, a copy of this notice, the recommendation
of the Chief Engineer and a report on the application are enclosed. Please
review this notice prior to publication and notify this office, if you have
any corrections or questions.

BE SURE TO CONTACT THE ABOVE NEWSPAPER IMMEDIATELY TO AUTHORIZE PUBLICATION
OF YOUR NOTICE OF INTENT TO APPROPRIATE WATER AND TO ARRANGE FOR PAYMENT.
Early contact with the paper can eliminate delays. The publisher has been
instructed to publish your notice once each week for two consecutive weeks
with the last publication to occur at least twenty days before the board
meeting. We must receive Proof of Publication before the application can be
considered by the Water Management Board.

Sincerely,

RON DUVALL
Natural Resources Engineer

enclosures

Instruction to Newspaper - Publish first publication of the following Notice on or before August 6, 1987 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5127A-3 ~~to Appropriate Water~~
~~and/or to Amend Water Permit or Water Right~~ No. 5127-3

Notice is hereby given that the city of Sioux Falls whose mailing address is 224 West 9th Street, Sioux Falls, South Dakota has made an application for a permit to amend Permit No. 5127-3. Water Permit No. 5127-3 authorizes construction of up to 8 wells (Big Sioux Aquifer) and beneficial use of 8.0 cubic feet of water per second (2,160 acre-feet annually) reserved by Future Use Permit No. 448-3. The wells were to be located in the W $\frac{1}{2}$ E $\frac{1}{2}$ Section 4; E $\frac{1}{2}$ Section 5; NE $\frac{1}{4}$ Section 8; NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$ Section 9; all in T102N-R49W. Water is to be used to supply the City of Sioux Falls. The W $\frac{1}{2}$ Section 4-T102N-R49W was deleted from Permit No. 5127-3 due to a publication error on the legal notice of hearing. This application proposes to amend Permit No. 5127-3 to include the W $\frac{1}{2}$ Section 4-T102N-R49W in the well field expansion area for the City of Sioux Falls. This application does NOT authorize any water appropriation or construction of wells in addition to the 8 cfs and 8 wells authorized by Permit No. 5127-3.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends

APPROVAL of Application No. 5127A-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, September 9 19 87 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 28, 1987. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2 46-5-30.4, 46-5-31; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use)~~ 46-5-38 thru 46-5-40; ~~(transfer lands)~~ 46-5-30.4, 46-5-33 thru 46-5-35; ~~(10,000 AFA)~~ 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; ~~(future use)~~ 74:02:01:24 thru 74:02:01:25; ~~(10,000 AFA)~~ 74:02:01:15:02 thru 74:02:01:15:05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 28, 1987.

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

SS:

CONNIE RENLI

being first duly sworn on her oath says: that the Sioux Valley News is a legal weekly newspaper of general circulation as required by South Dakota Code of Nineteen Hundred Thirty-Nine, and any acts amendatory thereto, printed and published by the Sioux Valley News, Inc., in Canton, in said county and State, and has been such legal newspaper during the time hereinafter mentioned; that she is and during all of said time was bookkeeper of said newspaper and has personal knowledge of the facts stated in this affidavit; that the advertisement headed:

NOTICE OF HEARING
ON APPLICATION NO. 5127A-3
TO AMEND WATER PERMIT
NO. 5127-3

a printed copy of which is hereto attached, was printed and published in said newspaper forone.....

successive weeks upon the following dates, to-wit:

August 20, 1987

that the full amount of the fees charged for publish-

ing the same to-wit: the sum of\$27.13..... inures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

Connie Renli

Subscribed and sworn to before me this20th.....

day ofAugust....., 19.....87.....

Vernon R. Thorson
Notary Public, South Dakota

(Seal)



NOTICE OF HEARING ON APPLICATION NO. 5127A-3 TO AMEND WATER PERMIT NO. 5127-3

Notice is hereby given that the city of Sioux Falls whose mailing address is 224 West 9th Street, Sioux Falls, South Dakota has made an application for a permit to amend Permit No. 5127-3. Water Permit No. 5127-3 authorizes construction of up to 8 wells (Big Sioux Aquifer) and beneficial use of 8.0 cubic feet of water per second (2,160 acre-feet annually) reserved by Future Use Permit No. 448-3. The wells were to be located in the W½E½ Section 4; E½; Section 5; Ne¼ Section 8; NW¼, W½NE¼ Section 9; all in T102N-R49W. Water is to be used to supply the City of Sioux Falls. The W½ Section 4-T102N-R49W was deleted from Permit No. 5127-3 due to a publication error on the legal notice of hearing. This application proposes to amend Permit No. 5127-3 to include the W½ Section 4-T102N-R49W in the well field expansion area for the City of Sioux Falls. This application does NOT authorize any water appropriation or construction of wells in addition to the 8 cfs and 8 wells authorized by Permit No. 5127-3.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5127A-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 East Capitol, Pierre, South Dakota, September 9, 1987 at 10:00 a.m.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 28, 1987. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; 46-5-30.4, 46-5-33 thru 46-5-35; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre, South Dakota (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 28, 1987.

(8-6, 13)

125

This notice was also published on Aug. 6 & 13, 1987

Ron Duwall
Natural Resources Eng.

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County LINCOLN) ss.

I, CONNIE RENLI hereby

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

Water was taken from the SIOUX VALLEY NEWS

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 CANTON

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

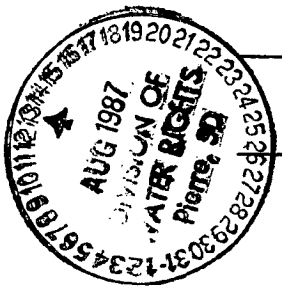
August 6, 1987

August 13, 1987

Connie Renli
(Signature)

Bookkeeper
(Title)

August 13, 1987
(Date Signed)



Cost of Printing: \$48.83

**NOTICE OF HEARING
ON APPLICATION NO. 5127A-3
TO AMEND WATER PERMIT
NO. 5127-3**

Notice is hereby given that the city of Sioux Falls whose mailing address is 224 West 9th Street, Sioux Falls, South Dakota has made an application for a permit to amend Permit No. 5127-3. Water Permit No. 5127-3 authorizes construction of up to 8 wells (Big Sioux Aquifer) and beneficial use of 8.0 cubic feet of water per second (2,160 acre-feet annually) reserved by Future Use Permit No. 448-3. The wells were to be located in the W $\frac{1}{2}$ E $\frac{1}{2}$ Section 4; E $\frac{1}{2}$ Section 5; Ne $\frac{1}{4}$ Section 8; NW $\frac{1}{4}$ W $\frac{1}{2}$ NE $\frac{1}{4}$ Section 9; all in T102N-R49W. Water is to be used to supply the City of Sioux Falls. The W $\frac{1}{2}$ Section 4-T102N-R49W was deleted from Permit No. 5127-3 due to a publication error on the legal notice of hearing. This application proposes to amend Permit No. 5127-3 to include the W $\frac{1}{2}$ Section 4-T102N-R49W in the well field expansion area for the City of Sioux Falls. This application does NOT authorize any water appropriation or construction of wells in addition to the 8 cfs and 8 wells authorized by Permit No. 5127-3.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5127A-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 East Capitol, Pierre, South Dakota, September 9, 1987 at 10:00 a.m.

The recommendation of the

Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 28, 1987. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the basis for the petitioner's opposition to support of the application, the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-11, 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; 46-5-30.4, 46-5-31 thru 46-5-33 and Board Rules ARS 74:02:01:0 thru 74:02:01:15.

This hearing is an adversarial proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre, South Dakota (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 2, 1987.

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

No. 5127A-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Minnehaha)

I, R. Deutscher hereby

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

Water was taken from the Argus Leader

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 Sioux Falls

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

August 6 and August 13, 1987

Roy Deutscher
(Signature)

Controller
(Title)

8/13/87
(Date Signed)

Cost of Printing: 84.00

NOTICE OF HEARING
on Application No. 5127A-3
Notice is hereby given that the
city of Sioux Falls, whose mailing
address is 224 West 9th Street,
Sioux Falls, South Dakota, has
made an application for a permit to
amend Permit No. 5127-3. Water
Permit No. 5127-3 authorizes con-
struction of up to 8 wells (Big Sioux
Aquifer) and beneficial use of 8.0
cubic feet of water per second
(2,160 acre-feet annually) reserved
by Future Use Permit No. 448-3.
The wells were to be located in the
W½E½ Section 4; E½ Section 5;
NE¼ Section 8; NW¼, W½NE¼
Section 9; all in T102N-R49W.
Water is to be used to supply the
City of Sioux Falls. The W½ Sec-
tion 4-T102N-R49W was deleted
from Permit No. 5127-3 due to a
publication error on the legal notice
of hearing. This application pro-
poses to amend Permit No. 5127-3
to include the W½ Section 4-
T102N-R49W in the well field ex-
pansion area for the City of Sioux
Falls. This application does NOT
authorize any water appropriation
or construction of wells in addition
to the 8 cfs and 8 wells authorized
by Permit No. 5127-3.

Pursuant to SDCL 46-2A-2 the
Chief Engineer of the Water Rights
Division recommends APPROVAL
of Application No. 5127A-3 be-
cause 1) unappropriated water is
available, 2) will be no unlawful
impairment of existing rights, 23) is
beneficial use of water and 34) is in
the public interest.

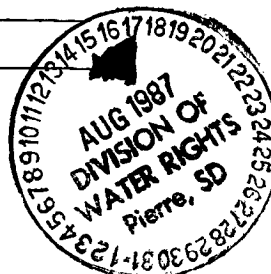
This application will be consid-
ered by the Water Management
Board at room 216, Joe Foss
Building, 523 E. Capitol, Pierre,
South Dakota, September 9, 1987
at 10:00 am. The recommendation
of the Chief Engineer is not final or
binding upon the Board and the
Board is authorized to 1) approve,
2) approve with qualifications, 3)
defer, or 4) deny this application
after it reaches a conclusion based
upon facts presented at the public
hearing. Any interested person who
may be affected by a Board deci-
sion and who intends to participate
in the hearing before the Board and
present evidence or cross-examine
witnesses according to SDCL 1-26,
must file a written petition with
BOTH the applicant and the Chief
Engineer by August 28, 1987. The
petition may be informal, but it must
include a statement describing the
petitioner's interest in the applica-
tion, the reasons for the petitioner's
opposition to or support of the
application, and the signature and
mailing address of the petitioner or
his legal counsel if legal counsel is
obtained. The applicant need not
file a petition.

This application is made pursuant
to the provisions of SDCL 46-1-1
thru 46-1-9, 46-1-12 thru 46-1-15;
46-2-3.1, 46-2-9, 46-2-11, 46-2-13,
46-2-17; 46-2A-1 thru 46-2A-10, 46-
2A-12, 46-2A-14, 46-2A-15; 46-5-1
thru 46-5-11, 46-5-13 thru 46-5-15,
46-5-24, 46-5-25, 46-5-30.2, 46-5-
30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-
6-6.1, 46-6-10, 46-6-13, 46-6-14;
46-5-30.4, 46-5-33 thru 46-5-35; and
Board Rules ARSD 74:02:01:01
thru 74:02:01:15.

This hearing is an adversary
proceeding. The applicant or any
person, after filing a petition, has
the right to be present or to be
represented by a lawyer. These and
other due process rights will be
forfeited if they are not exercised.
Decisions of the Board may be
appealed to the Circuit Court and
the State Supreme Court as pro-
vided by law.

Any person wishing a copy of the
Chief Engineer's recommendation,
further information on this applica-
tion or to assure access to the
hearing by the handicapped can
contact the Water Rights Division,
DWNR, Joe Foss Bldg, Pierre SD
(605 773-3352) for assistance prior
to the hearing date. The time of the
hearing will be automatically ex-
tended for at least twenty days
upon written request of the appli-
cant or any person who has filed a
petition to oppose or support the
application. The request for exten-
sion must be filed with the Chief
Engineer by August 28, 1987.

440 AUG 6, 13, 1987





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

NOV 3 1987

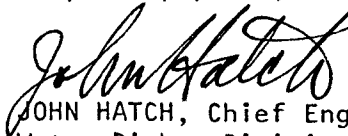
City of Sioux Falls
224 West 9th Street
Sioux Falls, South Dakota 57102

Dear Sir:

Enclosed herewith is your Water Permit No. 5127A-3 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 5127A-3.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that your Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division

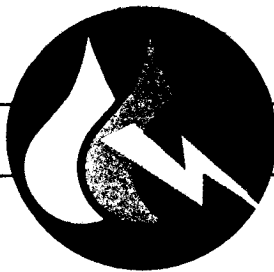
JH: S

enclosure

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period-i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

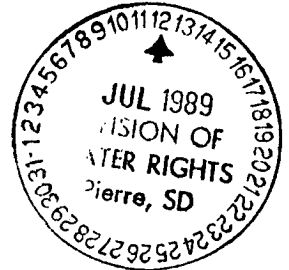
Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.

Sioux Falls UTILITIES



WATER • (605) 339-7031
WASTEWATER • (605) 339-7088

LIGHTS • (605) 339-7150
STORM DRAINAGE • (605) 339-7023



July 12, 1989

South Dakota Dept. of Water
and Natural Resources
Water Rights Division
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Attn: Mr. John Hatch
Re: Water Permit No's. 5115-3 & 5127A-3

Dear Sir:

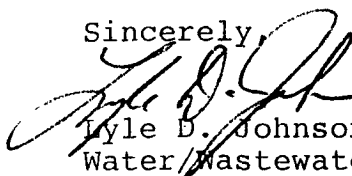
In accordance with qualification No. 2 on Water Permit No's. 5115-3 and 5127A-3, the City of Sioux Falls pumped the following quantities of water under each permit in 1988:

Permit No. 5115-3: 1234.2 acre - ft.
Permit No. 5127A-3: 0 acre - ft.

The five wells constructed under Permit No. 5127A-3 were not put into service until February 9, 1989. Enclosed is the Notice of Completion for this project.

If you have any questions concerning the above information, please contact me.

Sincerely,


Lyle D. Johnson, PhD, P.E.
Water/Wastewater Manager

Enclosure

seh

NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE



Date 7/12/89

TO: Water Rights Division, DWNR
Joe Foss Building
Pierre, SD 57501-3181

FROM: City of Sioux Falls 224 West Ninth St. Sioux Falls, SD
Name Address City

I have completed the construction of the water diversion system
and I have put the water to beneficial use to the maximum extent
it is going to be used. I have not exceeded the amounts specified
in Water Permit No. 5127A-3.

Water Permit No. 5127A-3 states that the diversion
system is to be constructed by 9/9/92,
and that the water is put to beneficial use by 9/9/96.

The diversion system was completed on 2/3/89.
Applying the water to beneficial use was completed on 2/9/89.

You may schedule an inspection so that the Water License may be
issued.


Signature



DEPARTMENT OF WATER & NATURAL RESOURCES

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

February 7, 1991

Lyle D Johnson, Water/Wastewater Manager
Utilities Department
224 W 9th Street
Sioux Falls SD 57102

Dear Mr. Johnson:

This letter is in response to my inspection of the City's water permits/rights completed on January 16, 1991.

Several of the city's permits can be licensed after receipt of the following information:

- 1) Permit Nos. 5127-3 and 5127A-3 (Well Nos. 53 thru 58).
Permit No. 5115-3 (Well Nos. 48 thru 52).
Permit No. 5235-3 (Well Nos. 60 thru 65).

- Sustained pump rate for each well under optimal operating conditions,
- Type and horsepower of the submersible units in each of the wells, and
- Brief description of the distribution system.

I have located a well completion report (copy enclosed) for a well that appears to be north of well No. 58. A copy of the well completion report for well No. 58 is also enclosed. No well was noted north of No. 58 during my inspection. Please explain if the well exists as described on the enclosed report and if the well is being used by the city.

- 2) Permit No. 5202-3 for water impounded in Silver Creek by the Big Sioux diversion dam. Two units are used with a capacity of 700 gpm each.

- Type and model no. of the motor and pump with the horsepower.

- 3) Permit No. 5334-3 for the Big Sioux River pump facility.

- Brief description of the operation of the facility at peak operating capacity.

An application (forms enclosed) needs to be approved to increase the permitted pumping rate to 46.4 cfs and to increase the annual volume of water if you plan to exceed the current 10,000 acre-feet. If approved, No. 5334-3 and the new permit would be issued one water license.

(continued)

February 7, 1991
Lyle D Johnson
Page 2 of 3

The following changes are needed to correct errors on the current licenses:

- 1) The following licenses need to have R50W deleted and be reissued for R49W:
254-3, 255-3, 256-3, 257-3, ^{cancel RD 5/13/91} 258-3, 259-3, 260-3, 261-3, 262-3, 264-3, 266-3, 267-3, 269-3, 270-3, 272-3, 273-3, 275-3, 276-3, and 274-3 needs the same range correction plus should be T102N instead of T103N.

License No. 300-3 needs to have section 32 deleted and be reissued for section 33. The original notice of hearing and application are correct.

License No. 4101-3 needs to have T101N deleted and be reissued for T102N and 2,030 feet east rather than 2,030 feet west. The original notice of hearing is correct.

License Nos. 4098-3, 4099-3, 4100-3, and 4812-3 also need to be reissued to identify the correct location of the wells. The original notices of hearing are correct for each license.

- 2) The notice of hearing for 1306-3 needs to be readvertised to correct a diversion point error (should be NW1/4 NW1/4 instead of NE1/4 NE1/4).

The notice of hearing for 4811-3 needs to be readvertised to correct a diversion point error (should be T102N instead of T101N).

Each of these changes (Nos. 1 & 2) will be initiated by the Division of Water Rights. Item No. 2 will require publication of a notice of hearing. The city will be notified of the completion of the corrections.

Well Nos. 30, 31, 32, and 33 have been rehabilitated in the last two years. Revisions may also be needed to some of the water rights held by the city to reflect changes in the pumping capacity of the wells. If the sustained pump rate of these wells under optimal operating conditions is less than the permitted pump rate, then the licenses should be reissued for the reduced pump rate. If the sustained pump rate exceeds the permitted amount, then a new permit is needed for the increase in the pump rate. Please indicate what the sustained pump rates are for well Nos. 30, 31, 32, 33, and other wells as rehabilitation efforts and aquifer conditions allow.

^{258-3 RD 5/13/91}
Water Right Nos. 254-3, 255-3, 265-3, 268-3, 271-3, and 1579-3 will be scheduled for a hearing to allow the Water Management Board to consider cancellation of the water rights due to abandonment and/or forfeiture. Notice will be given of the time and place of hearing. If the Parks and Recreation Department is using of the well authorized by No. 1579-3, please inform me.

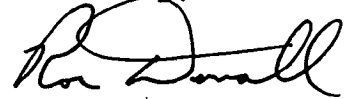
February 7, 1991
Lyle D Johnson
Page 3 of 3

In response to your questions during our meeting on January 17, 1991, the city can plug abandoned wells if the work is completed according to the Well Construction Standards. A copy of the standards and some plugging report forms are enclosed for the city's use.

Water Permit No. 1790-3 held by the Lincoln County Rural Water System is for supplying the rural water system from the city's well field. Enclosed is a copy of Permit No. 1790-3, including the affected city permits and a resolution signed by the mayor of Sioux Falls.

Thank you and your staff for the assistance we received concerning these inspections. I appreciate Mr. Holden taking the time to show us around. If you have any questions regarding any of this information, please contact me.

Sincerely,



Ron Duvall
Natural Resources Engineer
605 773-3352

enc.

cc: Glenn Dostal, HDR Engineering, Inc.



June 17, 1992

Lyle D Johnson, Water/Wastewater Manager
Utilities Department
224 W 9th Street
Sioux Falls SD 57102

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Dear Mr. Johnson:

This letter is in reference to inspections of the city's water permits. On May 28, 1992, I met with Keith DeJong and Doug Holden to collect information to license Water Permit Nos. 5127-3, 5127A-3, 5115-3, 5235-3, and 5242-3.

Several discussions have occurred concerning the proper amount of water to place on the water licenses. The various pump rates discussed have been average pump rates, peak pump rates, design pump rates, and maximum sustainable pump rate under ideal operating conditions. Historically, the amount of water a permit is licensed for is the peak pump rate. Due to the unique nature of some of the city's wells (Bragstad and Ranney wells) licensing for the peak pump rate does not accurately reflect actual well production.

Aside from the Bragstad and Ranney wells, I believe the city's permits should be licensed considering both the peak pump rate (highest one day average) and design pump rate figures. Average pump rates over a year's time are not applicable. Enclosed is a copy of the 1991 pump records for well Nos. 48 thru 65. Well No. 48 produced a maximum flow of 400 gpm during 1991. If, for example, the design pump rate for the well was 425 gpm and you believe the well could produce this amount under more favorable aquifer conditions, then the well should be licensed for 425 gpm. If the design pump rate is 375 gpm and the well produces 400 gpm, then the well should be licensed for 400 gpm rather than the design rate. According to Jim Goodman, staff engineer, the water levels in your wells likely stabilize after a few hours of pumping without a substantial variance in the pump rate. Some informed estimating on your part may be needed to determine the proper pump rates. Keep in mind that the best time to determine what the wells produce is when the wells are relatively new and aquifer conditions are good.

I would appreciate your input before licensing Permit Nos. 5127-3, 5127A-3, 5115-3, 5235-3, and 5242-3. Please refer to the above narrative when commenting on the proposed pump rates for the licenses. Another important consideration is the annual volume of water diverted. Some of the following permits placed water to beneficial use that was originally reserved by a future use permit. Upon licensing, the portion of the annual volume not developed, if any, is reinstated to the future use permit. It is important to note that reinstatement of undeveloped water may only occur at the time of licensing. Reduced usage in the future may not be reinstated.

- 1) Water Permit Nos. 5127-3 and 5127A-3 place to beneficial use up to 2,160 acre-feet of water annually reserved by Future Use Permit No. 448-3 from as many as 8 wells with a maximum diversion rate of 8.0 cfs. The wells developed under these permits are well Nos. 53 thru 58. According to the 1991 pump records, the 6 developed wells produced a maximum of 2,315 gpm (5.16 cfs) and may be licensed 5.16 cfs with an annual volume of 2,160 acre-feet.
- 2) Water Permit No. 5115-3 places to beneficial use up to 2,244 acre-feet of water annually reserved by Future Use Permit No. 448-3 from as many as 5 wells with a maximum diversion rate of 6.70 cfs. The wells developed are well Nos. 48 thru 52. According to the 1991 pump records, the 5 developed wells produced a maximum of 1,850 gpm (4.12 cfs) and may be licensed for 4.12 cfs with an annual volume of 2,244 acre-feet.

June 17, 1992
Lyle D Johnson
Page 2 of 2

- 3) Water Permit No. 5235-3 authorizes construction of 6 wells to divert up to 6.45 cfs. The wells developed are well Nos. 60 thru 65. According to the 1991 pump records, the 6 developed wells produced a maximum of 3,670 gpm (8.17 cfs) which exceeds the permitted pump rate by 1.72 cfs. Any increase over the permitted amount will need to be covered by a new permit application. No future use permit is involved with this water permit.
- 4) Water Permit No. 5242-3 authorizes diversion of 1.56 cfs (700 gpm) from an abandoned quarry to be discharged to the Big Sioux River. I looked at the motor and pump but did not get the pump rate. Please confirm whether or not the pump rate is 700 gpm. No future use permit is involved with this water permit.

An inspection was also made of the one well developed in the Big Sioux:Southern Skunk Creek aquifer as authorized by Permit No. 5214-3. This permit will remain unlicensed since time is available until October 5, 1993, to complete construction of 2 additional wells. I was also informed that changes may be made to the pumping equipment used to recharge the Big Sioux Aquifer as authorized by Permit No. 5431-3. Licensing of this permit can also wait until the permanent equipment is in place.

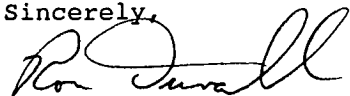
Mr. DeJong informed me that Nos. 1947-3 and 5202-3 can be cancelled. Water Right No. 1947-3 authorized the city to supply water to the EROS complex. According to Mr. DeJong, the complex has been supplied by the Minnehaha Rural Water System for the last couple of years. Permit No. 5202-3 appropriates 4.6 cfs from Silver Creek near the confluence with the Big Sioux River diversion canal. These pump stations provided an emergency water supply and are no longer needed due to well field expansions and construction of the Big Sioux River pump station.

The Bragstad and Ranney wells were licensed several years ago. Whether or not the licensed amount of water is currently accurate may be questionable. In the case of these types of wells, I believe the licensed amount of water should correspond with the maximum sustained pump rate under optimal operating conditions (i.e. wells rehabilitated and favorable aquifer conditions.) The initial peak pump rate would be artificially high for these types of wells due to the reservoir in the wells. The maximum sustained pump rate would occur after the reservoir level has stabilized. As noted on page 2 of my February 7, 1991 letter, the accuracy of the licenses can be reviewed as your well rehabilitation program allows. Well Nos. 30 thru 33 have been rehabilitated within the last few years.

Please comment on the amount of water you want placed on your water licenses. Several of the wells were constructed prior to 1991 and pump records from prior years may be more favorable for purposes of licensing. Especially important is your input on the annual water volume for those permits placing water to beneficial use reserved by Future Use Permit No. 448-3.

If you have any questions, please contact me.

Sincerely,



Ron Duvall
Natural Resources Engineer
605 773-3352

enc.

Well No	GPM		Pump	Motor	Horse power
	Max.	1991 AVG.			
48	400	386	Aurora 8RL 1 stage	Franklin	15 Submersible
49	550	410	Aurora 8RL 1 stage	Franklin	15 Submersible
50	400	363	Aurora 6RM 1 stage	Franklin	10 Submersible
51	275	249	Aurora 8RXL 1 stage	Franklin	15 Submersible
52	225	142	Aurora 6RL 2 stage	Franklin	10 Submersible
53	480	434	Aurora 8RXL 1 stage	Franklin	15 Submersible
54	400	392	Aurora 6RH 2 stage	Franklin	10 Submersible
55	330	294	Aurora 6RM 2 stage	Franklin	7.5 Submersible
56	325	290	Aurora 6RH 2 stage	Franklin	10 Submersible
57	390	276	Aurora 6RH 2 stage	Franklin	10 Submersible
58	390	354	Aurora 6RH 2 stage	Franklin	10 Submersible
60	700	590	Grundfos 600S150-1		15 Submersible
61	500	311	Western Land Roller 8KKH		20 Submersible
62	600	501	Western Land Roller 8KKH		20 Submersible
63	550	349	Western Land Roller 8KKH		15 Submersible
64	620	569	Western Land Roller 8KKH		20 Submersible
65	700	675	Western Land Roller 8KKH		20 Submersible



CITY OF SIOUX FALLS UTILITIES



August 24, 1992

Mr. Ron Duvall
DENR - Water Rights
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Dear Mr. Duvall:

On the attached sheet, I have outlined the information concerning the three well permits that are addressed in your June 17, 1992 letter. This information shows the peak flow rate that we have seen for each well since the wells were put into use; the most water used from each well in any one year; and the percentage of the year that the wells were actually in use. The information also shows the peak flow rate and the maximum yearly flow rate for each permit.

I have also included our recommended peak flow and annual acre-foot limits on this sheet. I reviewed our records and found that in 1989, the wells in Permit #5127A-3 were used an average of 5565 hours each or 63.5 percent of the hours in the year. Based on this information, I projected a maximum well usage of 65 percent of the hours in the year. I then increased the acre-foot quantity for the highest usage year to reflect the wells running 65 percent of the time. This is the number that I have used for the recommended permit acre-foot quantity. The recommended permit cfs quantity is the rounded off sum of the peak rates from the individual wells.

Based on the above information, Permits #5115-3 and 5127A-3 will have a licensed cfs rate and acre-foot rate that is lower than what was requested in the permit application. It is our understanding that this reduced rate will go back into our future use permit and that there is a licensing fee, but no additional permit fee to reduce these quantities.

Utility Office
224 West Ninth Street
Sioux Falls, SD 57102
(605) 339-7031

Water Purification
2100 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7025

Water Reclamation
4500 N. Sycamore Ave.
Sioux Falls, SD 57104
(605) 339-7088

Lights
2000 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7150

Maint./Svc. Division
668 Algonquin Avenue
Sioux Falls, SD 57104
(605) 339-7020

Fax
(605) 338-7801

AN EQUAL OPPORTUNITY EMPLOYER

Hearing Impaired
(605) 339-7039

Permit #5235-3 would require an increase of 2.05 cfs to be licensed for the wells that were built. The quantity of 3220 acre-feet would also be on the license. However, we are requesting that only wells 60 through 63 be kept on Permit #5235-3, and that wells 64 and 65 be placed in a new permit. This will reduce the licensing quantities for Permit #5235-3 to 5.45 cfs and 2010 acre-feet. The new permit application for wells 64 and 65 would be for 3.02 cfs and 1210 acre-feet.

Your letter also questioned the flow rate for the pump used at the abandoned quarry. As we discussed in our phone conversation, 700 gpm is an appropriate quantity for licensing this permit.

We are currently in the process of rehabilitating Well #29. This is the last horizontal collector well slated for new laterals. The work should be completed by May 1993 and after we have had a chance to evaluate the well performance, we would like to meet with Water Rights staff to discuss the appropriate method of updating the licenses. If that schedule is not satisfactory, please let us know.

Also, we are preparing a new application for wells 64 and 65 and will be sending that to you in the near future. If you have any questions about any of these items, please contact me.

Sincerely,



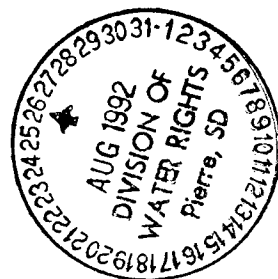
Keith DeJong, P.E.
Water Superintendent

Enclosures

KD:seh

1992 WELL PERMIT LICENSING INFORMATION

<u>WELL #</u>	<u>PERMIT #</u>	<u>WATER RIGHT APPLICATION (cfs) (acre-ft/yr)</u>	<u>ACTUAL PEAK FLOW (cfs)</u>	<u>MAX 1 YEAR USE (acre-ft)</u>	<u>PERCENT HOURS in MAX. YEAR</u>	<u>RECOMMENDED PERMIT LICENSE (cfs) (acre-ft/yr)</u>
48-52	5115-3	6.7 2244	5.00	955.4	54.4	5.0 1140
48			1.15	307.1	61.2	
49			1.22	176.8	54.3	
50			0.86	182.1	58.1	
51			0.86	152.0	51.0	
52			0.91	137.4	47.2	
53-58	5127A-3	8.0 2160	5.49	1556.7	63.5	5.5 1600
53			1.41	385.5	68.1	
54			0.87	267.5	66.3	
55			0.75	178.7	59.4	
56			0.72	207.3	61.8	
57			0.87	249.3	58.0	
58			0.87	268.4	67.5	
60-65	5235-3	6.45 ---	8.47	1837.9	37.1	8.47 3220
60			1.56	319.5	31.1	(5.45) (2010)
61			1.11	239.8	34.5	
62			1.67	291.6	34.3	
63			1.11	296.2	53.7	(3.02) (1210)
64			1.40	315.5	34.4	
65			1.62	375.3	34.5	



Permit No. 5127A-3
Big Sioux River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **May 28, 1992**, made a thorough examination of the water use system constructed by **the City of Sioux Falls of Utilities Department, 224 W 9th Street, Sioux Falls SD 57102** holder of Permit No. **5127-3 and 5127A-3**, bearing the priority of **April 8, 1957**, authorizing the diversion of **8.00** cu. ft. per second and up to **2,160** acre-feet of the waters of **Big Sioux Aquifer** for **municipal** purposes, in **Minnehaha** County.

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

A. Works used to divert the water:

Well Nos. 54, 56, 57, and 58:

Motor: Franklin, 10 hp

Well No. 53:

Motor: Franklin, 15 hp

Well No. 55:

Motor: Franklin, 7.5 hp

Pumps: All pumps are Aurora submersibles (see permit investigation sheets for additional detail on individual pumps/motors)

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

Water from well Nos. 54 through 58 is diverted to the 5 pack well house and water from well No. 53 is diverted to the 6 pack well house. Water is then distributed for use through the city distribution system.

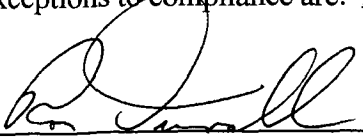
The system is in the following condition **good**. The points of diversion are located in:

All in T102N-R49W		
Well No. 53:	800 feet S and 1,370 feet W from the NE corner section 8	NW¼ NE¼ sec 8
Well No. 54:	450 feet N and 1,200 feet E from the SW corner section 4	SW¼ SW¼ sec 4
Well No. 55:	1,200 feet N and 1,200 feet E from the SW corner section 4	SW¼ SW¼ sec 4
Well No. 56:	2,400 feet N and 1,200 feet E from the SW corner section 4	NW¼ SW¼ sec 4
Well No. 57:	2,700 feet N and 2,200 feet E from the SW corner section 4	SE¼ NW¼ sec 4
Well No. 58:	3,800 feet N and 2,300 feet E from the SW corner section 4	SE¼ NW¼ sec 4

The works are capable of diverting and conveying to the place of use **5.50** cu. ft. per second of water and **1,600*** acre-feet of water which is to be used for **municipal purposes**.

Applicable permit qualifications have been complied with: Yes ☒ No

Exceptions to compliance are: **none** Date report completed: **April 10, 1996**


 Ron Duvall
 Natural Resources Engineer
 DENR, Water Rights Program

*Pursuant to a letter dated August 24, 1992, the city requested an annual use of 1,600 acre-feet with the remainder to be returned to Future Use Permit No. 448-3. (2,160 - 1,600 = 560 acre-feet)

5127-3
LICENSE FOR PERMIT NUMBER 5127A-3

1. Legal location of wells: Well No. 53 : NW 1/4 NE 1/4 section 8 -
T102N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm Lacey

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 44 feet

Casing a) diameter 12 inch Screen a) type stainless steel

b) length 34 feet b) length 10 feet

c) type steel Static Water Level 6'

Pump a) make Aurora Motor a) make Franklin

b) model 8RXL b) model No. _____

c) size submersible c) horsepower rating 15

d) capacity 635 gpm

e) turbine pump - no. of stages 1

f) operating PSI _____

Water from well Nos. 54 thru 58 is
diverted to the 5 pack wellhouse
and water from well No. 53 is
diverted to the 6 pack wellhouse.

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 _____

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

REMARKS:

5127-3

LICENSE FOR PERMIT NUMBER 5127A-31. Legal location of wells: Well No. 54: SW 1/4 SW 1/4 section 4 -
T102N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm Sioux Well Drilling

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 36 feet

Casing a) diameter 12 inch Screen a) type stainless steel
 b) length 28 feet b) length 8 feet
 c) type steel Static Water Level 9' 1"

Pump a) make Aurora Motor a) make Franklin
 b) model 6RH b) model No. _____
 c) size submersible c) horsepower rating 10
 d) capacity 390 gpm
 e) turbine pump - no. of stages 2
 f) operating PSI _____

3. Distribution lines or canals

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

see Well No. 53

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 _____

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

REMARKS:

LICENSE FOR PERMIT NUMBER 5127-3
5127A-3

1. Legal location of wells: Well No. 55: SW $\frac{1}{4}$ SW $\frac{1}{4}$ section 4-
T102N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm Sioux Well Drilling

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 36 Feet
Casing a) diameter steel 12 inch Screen a) type stainless steel
b) length 26 feet b) length 10 feet
c) type steel Static Water Level 9'4"
Pump a) make Aurora Motor a) make Franklin
b) model 6RM b) model No. _____
c) size submersible c) horsepower rating 7.5
d) capacity 340 gpm
e) turbine pump - no. of stages 2
f) operating PSI _____

3. Distribution lines or canals

see well No. 53

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 _____

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

REMARKS:

LICENSE FOR PERMIT NUMBER 5127-3
5127A-3

1. Legal location of wells: well No. 56 : NW 1/4 SW 1/4 section 4 -
T102N-R49W
dams & structures: _____

2. Well Information: Well Drilling Firm Sioux Well Drilling

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 35 feet
Casing a) diameter 12 inch Screen a) type stainless steel
b) length 25 feet b) length 10 feet
c) type steel Static Water Level 9' 5"
Pump a) make Aurora Motor a) make Franklin
b) model 6RH b) model No. _____
c) size submersible c) horsepower rating 10
d) capacity 325 gpm
e) turbine pump - no. of stages 2
f) operating PSI _____

3. Distribution lines or canals

see Well No. 53

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 _____

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

REMARKS:

5127-3

LICENSE FOR PERMIT NUMBER 5127A-3

1. Legal location of wells: well No. 57 : SE 1/4 NW 1/4 section 4 -
T102N-R49W
 dams & structures: _____

2. Well Information: Well Drilling Firm Sioux Well Drilling

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 38 feet
 Casing a) diameter 12 in Screen a) type stainless steel
 b) length 28 feet b) length 10 feet
 c) type steel Static Water Level 8'
 Pump a) make Aurora Motor a) make Franklin
 b) model 6RH b) model No. _____
 c) size submersible c) horsepower rating 10
 d) capacity 390 gpm
 e) turbine pump - no. of stages 2
 f) operating PSI _____

3. Distribution lines or canals

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

see well No. 53

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 _____

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

REMARKS:

LICENSE FOR PERMIT NUMBER 5127-3
5127A-3

1. Legal location of wells: well No. 58: SE 1/4 NW 1/4 section 4-
T102N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm Sioux Well Drilling

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 38 feet
Casing a) diameter 12 inch Screen a) type stainless steel
b) length 28 feet b) length 10 feet
c) type steel Static Water Level 8'
Pump a) make Aurora Motor a) make Franklin
b) model 6RH b) model No. _____
c) size submersible c) horsepower rating 10
d) capacity 390 gpm
e) turbine pump - no. of stages 2
f) operating PSI _____

3. Distribution lines or canals

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

see well No. 53

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 _____

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

REMARKS:



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 23, 1996

5115-3
5127A-3
5242-3

Keith DeJong, P.E.
Water Superintendent
City of Sioux Falls
Utilities Department
224 W. 9th Street
Sioux Falls, SD 57102

Dear Mr. DeJong:

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 Nos. 5115-3, 5127A-3 and 5242-3, has been completed. Your final water right documents, the Water Licenses, can now be issued.

Statutes require that we charge a \$50.00 fee per license for the inspection and issuance of the Water Licenses. Upon receipt of the \$150.00 fee from you, we will begin processing your Water Licenses.

**Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181**

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

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

RECEIPT

Division of Water Rights

414972

South Dakota Department of Environment and Natural Resources

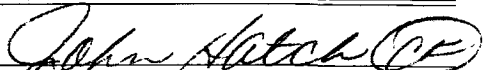
Pierre, _____ May 23, 19 96

RECEIVED OF City of Sioux Falls, 224 W. 9th St., Sioux Falls, SD 57102

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>5127A-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By John Hatch 
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUL 2 1996

5115-3
5127A-3
5242-3
5710-3

Lyle Johnson, Utility Manager
City of Sioux Falls
224 West 9th St.
Sioux Falls, SD 57102

Dear Mr. Johnson:

Enclosed are Water License Nos. 5115-3, 5127A-3, 5242-3 and 5710-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 413806, 414971, 414972 and 414973 in the amount of \$50.00 each which you paid for the investigation and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right Nos. 5115-3, 5127A-3, 5242-3 and 5710-3, constructs replacement wells and does not plan to use the old wells, the old wells are 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 Licenses, 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 Program
(605) 773-3352

ks
enclosures

NOTE: The applicable portions of Water Permit No. 5127 have been incorporated into this Water License No. 5127A-3, and the applicable portions of Water Permit No. 5235-3 have been incorporated into this Water License No. 5710-3.

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5127A-3

(1) The City of Sioux Falls, 224 W 9th St, Sioux Falls SD 57102 made Application No. 5127A-3, July 16, 1987 to expand the well field area and to divert no additional water from groundwater (8 wells), Minnehaha County, South Dakota for municipal use purposes. Permit No. 5127A-3, with a priority date of April 8, 1957 (established by Future Use Permit No. 448-3) was approved September 9, 1987 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before September 9, 1992 and for the application to beneficial use of said water on or before September 9, 1996.

Water Permit No. 5127-3 authorizes 8.0 cubic feet of water per second (cfs) (2,160 acre-feet annually) from 8 wells. Water Permit No. 5127A-3 authorized expansion of the well field area to include the W 1/2 Section 4-T102N-R49W. Applicable portions of Water Permit No. 5127-3 have been incorporated into this Water License No. 5127A-3.

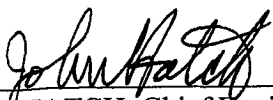
Pursuant to a letter dated August 24, 1992, the City of Sioux Falls requested an annual use limitation of 1,600 acre-feet for Permit Nos. 5127-3 and 5127A-3, with the remaining 560 acre-feet returned to Future Use Permit No. 448-3 (2,160 - 1,600 = 560 acre-feet).

(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 5.50 cubic feet of water per second (1,600 acre-feet annually) for beneficial use. The location of the diversion points are: **all in T102N-R49W**

800 feet south and 1,370 feet west from the northeast corner of Sec 8 (NW 1/4 NE 1/4)
450 feet north and 1,200 feet east from the southwest corner of Sec 4 (SW 1/4 SW 1/4)
1,200 feet north and 1,200 feet east from the southwest corner of Sec 4 (SW 1/4 SW 1/4)
2,400 feet north and 1,200 feet east from the southwest corner of Sec 4 (NW 1/4 SW 1/4)
2,700 feet north and 2,200 feet east from the southwest corner of Sec 4 (SE 1/4 NW 1/4)
3,800 feet north and 2,300 feet east from the southwest corner of Sec 4 (SE 1/4 NW 1/4)

(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 South Dakota Water Law 46-5-30.1 the City of Sioux Falls, 224 W 9th St, Sioux Falls SD 57102 the holder and/or owner of Incorporated Water Permit No. 5127A-3 is issued a license to appropriate water, the right to use 5.50 cubic feet of water per second (1,600 acre-feet annually) from groundwater (6 wells) with a priority date of April 8, 1957 from the locations specified in (2) of this license for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 5127A-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUL 2 1996

date

