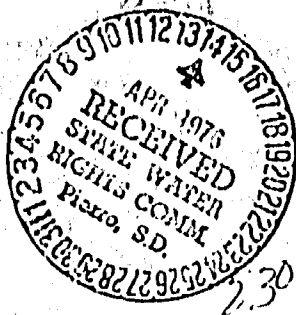


1. Considered MAY 20, 1976 2677-3
2. Name of Applicant TERRANCE L. HILL
3. Post Office Address BROOKINGS
4. Amount of water claimed 3.7
5. Source of water supply 65' DEEP WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 259
7. Water to be diverted and used in BROOKINGS county
about IN 1W miles of AURORA
8. Proof of Publication Received 5-12-76
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____

10. Remarks:

No. 2671-3Map No. 2040-3 Water Division No. 3 BIG SIOUX RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Terrance A Hill
 Postoffice address Brookings South Dakota State S 7006
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Terrance A Hill Irrigation Project #1
4. Amount of water claimed (cubic feet per second) 3.7
5. Source of water supply Well
6. Location of point of diversion 2210' N 55° W of SE corner section
22-110-49
- County Brookings
7. Annual period or periods during which water is to be used April through October
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 259

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
N 1/2 of SW 1/4 sec 22-110-49	12	N 1/2 of SE 1/4 sec 22-110-49	40
NE 1/4 " " " "	40	NE 1/4 " " " "	39
SW 1/4 " " " "	12	SW 1/4 " " " "	39
SE 1/4 " " " "	39	SE 1/4 " " " "	39

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 Year years. Additional time required to complete application of water to the proposed beneficial use 1 Year years.
11. Choice of newspaper for Notice of Intent to Appropriately Water publication Brookings Register
12. Principal Features of the Proposed Water Supply System.
- A. Works proposed to divert water from its natural source. Well with electrically driven deep well turbine
- B. Works proposed to transport water to place of use. closed conduit
- C. Works proposed to apply water to beneficial use. center pivot irrigation machine

Estimated Total Cost \$60,000Attachments: Attach Form A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of BrookingsI, Terrance A Hill

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

Signed

Terrance A Hill

Subscribed and sworn to before me this

4

day of

April

1976

John L. Williams
Notary Public (or other qualified officer)

P. E. H. 1976

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2677-3

TERRANCE A HILL
(Applicant)

R.R.#2, BROOKINGS
(Post Office Address)

SOUTH DAKOTA 57006
(State)

With the following modifications:

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

Date of first receipt of application APRIL 14, 1976
Date of return to applicant for correction, amendments or changes required —
Date of receipt of corrected application APRIL 22, 1976
Approved MAY 20, 1976, Recorded in Book 15 Page 125

WATER RIGHT PERMIT NO. 2677-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2677-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is APRIL 14, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 20, 1978
3. The whole of said work is to be completed on or before MAY 20, 1981 EXTENSION GRANTED 11-16-78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 20, 1984
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.7 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before MAY 20, 1984; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 8TH day of JUNE 1976

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued —, 19—

Water License Issued —, 19—

Form 2A Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 65'
- (2) Casing Type Steel Diameter 14" Thickness 3/16"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Continuous slot, Diameter 14", Length 15'
- (4) Gravel Pack, Thickness 7", Length of gravel pack 30'

E. Dugout Information or Estimates

- (1) Surface dimensions _____, Depth _____

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

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

Character of Water bearing materials 0' to 4' topsoil, 4' to 15' mixed
sand & clay, 15' to 65' sand and medium
gravel, over 65' is clay

Depth to top of water bearing material 15'

Depth to bottom of water bearing material 65'

Thickness of water bearing material 50'

Depth to water (ground surface to water level) 15'

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

On same owner's property No Supply rds. On property owned by others 100 rds.

G. Water Storage Dams.

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

Lawrence A. Hill
Signature of Applicant

April 7, 1976



Mr. Terrance A. Hill
R.R. #2
Brookings, SD 57006

Dear Mr. Hill:

You received the original copy of the report of analysis of your water sample 10 days to 2 weeks ago. The carbon copy of this analysis is going to the State Conservation Commission, along with a copy of this letter and your WI-1 form.

The quality of the water is quite good for irrigation, and there should be no difficulty irrigating the soils which you have. The approximate quality of this water for irrigation purposes is indicated by the red cross in the quality diagram on the outside back cover of AAS publication #13 enclosed for your use. Although it is in the high salinity category, it is just barely in the lower edge of it, and with the adequate drainage which Estelline and Fordville soils, as well as Flandreau soils have, you should not experience any difficulty with salt accumulation.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

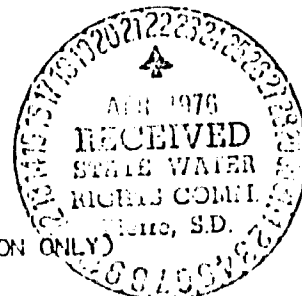
cc: State Conservation Commission

/ D. Pahl

Donald Boone, County Extension Agent

CONSERVATION
COMMISSION
FORM W1 #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)



NAME Terrance A Hill
ADDRESS Brookings Rt 2 South Dakota 57006
COUNTY Brookings

LEGAL DESCRIPTION

1. WELL LOCATION Center of SE⁴ Sec 22 -110 - 49
2. LOCATION OF AREA TO BE IRRIGATED East 260 acres of SE² of Sec 22 -110 - 49

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ GUN _____
4. CROPS TO BE IRRIGATED corn wheat and alfalfa

WATER QUALITY

5. SAMPLE NUMBER 76-170
6. SALINITY (EC X 10⁶) 801 (moderately high)
7. SODIUM (SAR) 0.16 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
the soils information has been acquired from Brookings Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true
and correct.

Terrance A Hill
APPLICANT'S SIGNATURE

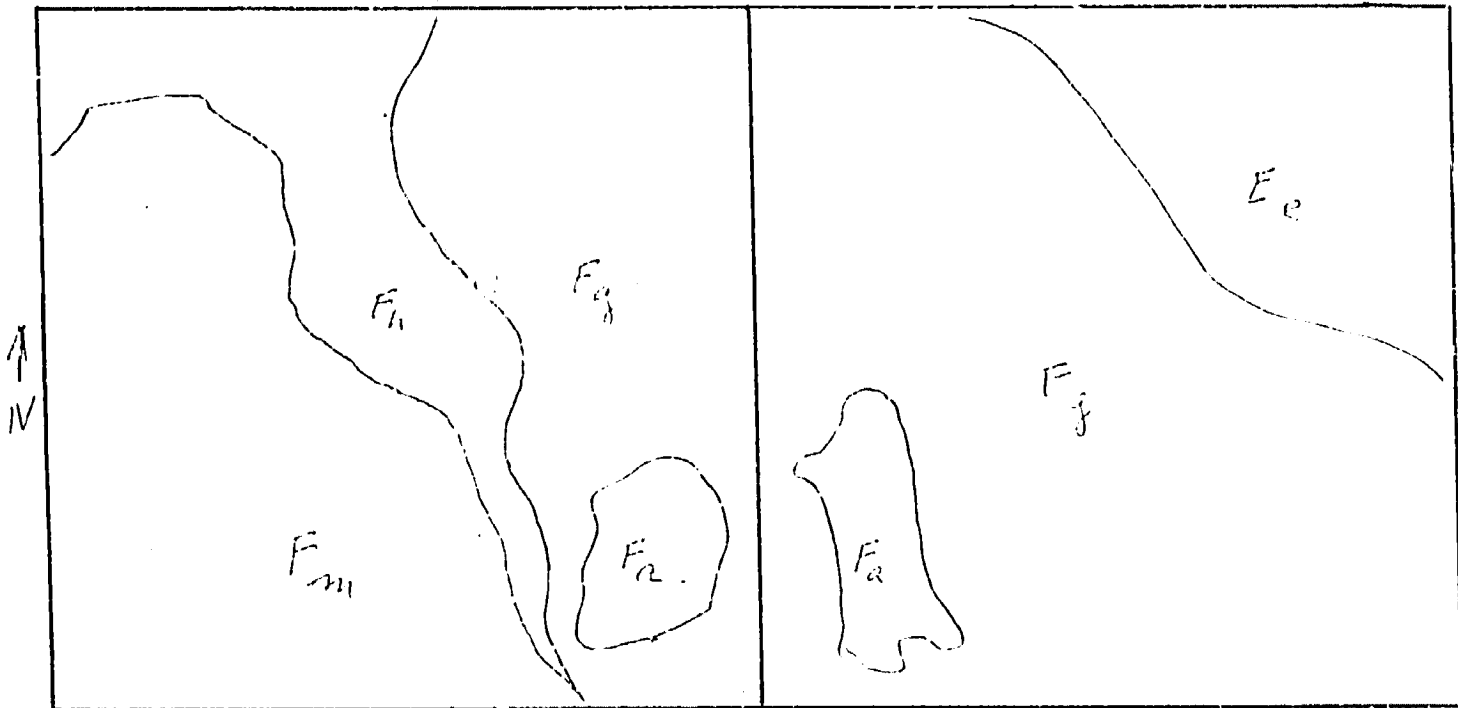
SUBSCRIBED AND SWORN BEFORE ME THIS
4 DAY OF April 1976.

John Sedgewick
(TITLE OR SEAL)

[Signature]
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

S² Sec 22 - 110 - #9
 MAP Base 46 of Salsman's



NARRATIVE

E_e - Estelline silt loam nearly level
 Fa - Flandreau loam nearly level
 Fg - Flandreau silt loam nearly level
 Fm - Fardoille loam nearly level



REPORT OF ANALYSIS
Water Quality Laboratory,
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Terrance Hill
Address: Rt. 2
Brookings, SD 57006

Date Rec'd: March 2, 1976
Sample No.: 76-170
Identification: Well -
SE 1/4, Sec. 22, T. 110N, R. 49W

WATER ANALYSIS

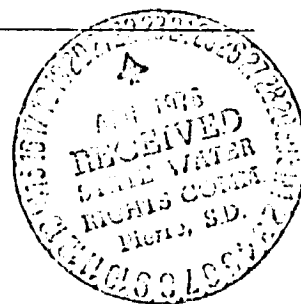
Calcium (Ca)	100	ppm*	5.00	me/l**
Magnesium (Mg)	46	ppm	3.77	me/l
Sodium (Na)	8	ppm	0.34	me/l
Potassium (K)	2	ppm	0.06	me/l
Sulfate (SO ₄)	47	ppm	0.98	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	19	ppm	0.53	me/l
Bicarbonate (HCO ₃)	306	ppm	6.00	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	300	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	301	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.16			
Sodium	3.70%	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.03			

*ppm=parts per million

**me/l=millequivalents per liter

***g p.g.=grains per gallon

COMMENTS: Total cations 9.18 me/l
Total anions 7.51 me/l



By: Shirley Mitten

Service Performed	Amount Due
Irrigation analysis	\$3.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-170

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water

No. 2677-3
RRR

Publish first publication, on or before May 4, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

April 23, 1976

Notice is hereby given that Terrance A. Hill
whose post office address is Brookings, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
3.7 cubic feet of water per second of time from the French River through the
Terrance Hill #1, the point of diversion of which is to be located in the

SW 1/4 SE 1/4

of Section 22, Twp. 110N, Range 49W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

S 1/2, Section 22, T110N, R49W

This application No. 2677-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 20th day of May, 1976, at 1:00 P. M. All interested
persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw
cc:

Terrance A. Hill, A.R. #2, Brookings, S.D. 57006

Sook

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Brookings)

I, James M. McLellan Jr. hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Brookings Daily Register

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

City _____ of Brookings

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

May 3, 1976

May 10, 1976

James M. McLellan Jr.
(Signature)

Editor - General Manager
(Title)

May 10, 1976

(Date Signed)

No. 212-May 3 & 10

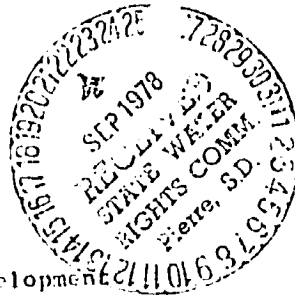
**NOTICE
INTENT TO APPROPRIATE WATER**
Pierre, South Dakota 57501
April 23, 1976

Notice is hereby given that Terrance
A. Hill whose post office address is
Brookings, South Dakota, has made an
application in accordance with the
provisions of the waterlaws of South
Dakota for a permit to appropriate for
beneficial use 3.7 cubic feet of water per
second or time from ground water
through the Terrance Hill No. 1, the
point of diversion of which is to be
located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 22,
Twp. 110N, Range 49W. Said water to be
used for the purpose of providing
irrigation on portions of the following
described land: S $\frac{1}{4}$, Section 22, T110N,
R49W.

This application No. 2677-3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 20th day of May, 1976, at 1:00
P.M. All interested person may appear
and be heard.

WATER RESOURCES COMMISSION
By: **BURTON F. JONES**
Water Rights Specialist





September 20, 1978

Department of Natural Resource Development
WATER RIGHTS COMMISSION
Joe Foss Building
Pierre, South Dakota 57501

Gentlemen:

I wish to ask you for your consideration in granting a one year extension for Water Right Permit No. 2677-3. The following are reasons for the desired extension.

a) There are difficulties in communicating with the landowner who is an elderly woman living in California.

b) The farm is under a living trust in which major capital expenditures are not possible without direct approval of the landowner.

c) The farm trust manager and myself as tenant fully desire to irrigate.

d) Full and competent decisions are not possible at this time.

e) The Trustee will probably have power to exercise decisions within a year. Presently he is legally incapable of operating.

f) Test drilling has been done with good potential indicated.

If you have any questions contact Elton J. Budahl of First Northwestern Trust of South Dakota. Mr. Budahl is the Trustee.

We would really appreciate being notified of any action either for or against. The first deadline on the water permit is November 20, 1978, by which time one-fifth of the work is to have been completed.

Thank you for your time and consideration.

Sincerely,

Terrance A. Hill

Terrance A. Hill

Rt. 2 Box 948

Brookings, S.D. 57005

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

NO 4 6536

PIERRE, October 4, 1978

RECEIVED OF Terrance A. Hill, RR #2, Box 94B, Brookings, SD 57006

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

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____		
Fee for Inspecting Construction, and Issuing Cert. of Construction No. _____		
Fee for Inspecting Beneficial Use, and Issuing Water License No. _____		
Fee for Issuing Location Certificate-Dry Draw, No. _____		
Fee for filing extension of time on Water Right Permit No. 2677-3	2	50
Fee for certified copy of _____		
Fee for Print copy of map _____		
Fee for Certifying _____		
Fee for _____ (any other work as provided by law)		
TOTAL	2	50

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer

JOHN HATCH

99

Form 18.

No. 2677-3

APPLICATION FOR EXTENSION OF TIME

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

Date 10-4-78

Dear Sirs:

In Water Right Permit No. 2677-3 ^{1/5 of works of} it is specified that the water diversion system is to be completed by November 20, 1978 and that the water is to be put to the limit of beneficial use by May 20, 1984.

I hereby request that the date for completing the ^{1/5 of the works of} diversion system be extended to November 20, 1979 and that the date for putting the water to the limit of beneficial use be extended to -----.

The extension of time for the completion of these works is requested for the following reasons: Farm in trust, with elderly landowner out of State.

Presently I am legally incapable of operating but as trustee will have power to
exercise decisions within a year. I fully intend to irrigate.

(See corrections and additions)

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

Derrance G. Hill
(Signed)

2677-3

Permit Number

APPROVED:

WATER RIGHTS COMMISSION

BY:



Corrections to extension of time request

- Farm is in a trust, with elderly land owner out of state.
- Presently Elton J. Budahl, trust farm manager and trustee is legally incapable of operating, but he expects to have power to exercise decisions within a year.
- Elton J. Budahl and I as a tenant fully intend to irrigate.

Sincerely,

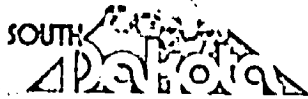
Ferrance G. Hill

Rt 2 Box 94B

Brookings, S.D.

57006





2677-3

Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/773-3151

November 16, 1978

Terrance A. Hill
RR #2, Box 94B
Brookings, SD 57006

Dear Mr. Hill:

This is to inform you that your request for extension of time dated October 4, 1978 for Water Right No. 2677-3 has been approved by the Water Rights Commission as follows: The date for completing 1/5 of the works of the water system as been extended to November 30, 1979.

Enclosed herewith is Receipt No. 4-6536 for \$2.50 fee for filing of this Approval of Extension of Time.

Very truly yours,

WATER RIGHTS COMMISSION

BETTY WESTLUND
Water Rights Specialist I

BW/gy

encl

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

July 11, 1983

N O T I C E

Terrance Hill
RR 2, Box 94B
Brookings SD 57006

Dear Mr. Hill:

The inspection of your water use system and inspection of the extent application of water to beneficial use, as developed under your Water Right No. 2677-3 has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuing of the Water License. Upon receipt of the \$50.00 fee from you, your Water License will be sent to you.

Section 58 of House Bill 1001 as passed by the 1983 Legislature effective March 8, 1983 states that a permit holder may not divert water until this \$50.00 license fee has been paid.

Sincerely,

KAREN SCHLAACK
Administrative Aide

NOTE: On form of payment, please include the number of the water permit.
This insures proper handling of the fee.

WNR-814 3/83
Request for W/L fee(\$50)

SECOND NOTICE

September 19, 1983

Permit No. 2677-3

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Terrance Hill
RR 2, Box 94B
Brookings, South Dakota 57006

Dear Mr. Hill:

July 11, 1983 you were notified the final inspection fee of \$50.00 is due before Water License No. 2677-3 can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3152

S508.WR

d91903ks.wr

2677-3

Form 3811, Jan. 1973

SENDER: Complete Items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

☒ Show to whom and date delivered.....

☐ Show to whom, date and address of delivery.....

☐ RESTRICTED DELIVERY
Show to whom and date delivered.....

☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery.....

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Lorraine Hill
RR 2, Box 948
Brookings SD 57006

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
P 404-786 1086
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
Lorraine Hill

4. DATE OF DELIVERY POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

WATER RIGHTS DIVISION
(605) 773-3352

February 6, 1984

Larry Wold
Chester, South Dakota 57016

RE: Well logs for wells drilled by Grimshaw Drilling for Roger Telkamp
and Terrance Hill

Dear Mr. Wold:

We are in the process of issuing a Water License for Mr. Telkamp and Mr. Hill, and need to obtain a well log for each of their wells. If you still have records for these particular wells, please forward a copy of the logs to our office.

Below are the legal descriptions for the wells in question. (Both are in Brookings County)

Permit No. 2589-3, Roger Telkamp, Brookings, South Dakota
1 well - NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 25, T10N, R50W (2435 feet N 35°W SE Corner)

Permit No. 2677-3, Terrence Hill, Brookings, South Dakota
1 well - NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 22, T11N, R49W (4455 feet N 58°W of the SE Corner)

Your past assistance in locating and submitting well logs to this office has been appreciated. If you have any questions, or are not able to obtain a copy of the logs, please contact this office. When returning any logs, address correspondence to my attention.

Sincerely,

Genny McMath
Water Resources Analyst

GM:ms
cc: Roger Telkamp
Terrence Hill

No Log available

17 May 83

Terrace Hill
S $\frac{1}{2}$ 22-110-49

LICENSE FOR PERMIT NUMBER 2677-3

1. Legal location of wells: 4.55 S + N 53°W SE 22-110-49

dams & structures: _____

2. Well Information: Well Drilling Firm Grimschaw

No. of wells 1 Depth 65'

Casing a) diameter 16 Screen a) type Teknosa
b) length _____ b) length _____
c) type _____ Static Water Level 10' 17 May 83 5:00 PM

Pump a) make Western Land Roller Motor a) make General Electric
b) model 5 120 H b) model no. 5K6255XM.502C
c) size E80260 c) horsepower rating 7.5
d) capacity 850 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages _____
Head # 8M

3. Distribution lines:
a) size of lines 12"
b) type PVC
c) length _____

FL. RPM 1765 3 Phase
serial # B5I 227349
service factor 1.15

4. Dam information:
a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

i) Outlet tubes:
1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

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 _____

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

5. System Type: c) center pivot. Model 680 serial 88207073 d) Gate Pipe
- 1) make Electro-200
 - 2) number of towers 8
 - 3) distance between towers 160'
 - 4) overall length 1292 ft
 - 5) End gun (Y/N) yes
 - 6) high or low pressure high
 - 7) make & size of nozzles
 - 8) PSI reading while system is running 65
 - 9) GPM 850
- e) Siphons
- 1) number
 - 2) size
- f) Portable boom
- 1) make
 - 2) serial number
 - 3) nozzle size
 - 4) capacity (GPM)
 - 5) PSI
- g) Gun
- 1) make
 - 2) serial number
 - 3) nozzle size
 - 4) capacity (GPM)
 - 5) PSI
 - 6) hose size
 - 7) hose length
- h) Hydromatic
- 1) make
 - 2) model
 - 3) serial number
 - 4) length
 - 5) nozzle size
 - 6) spacing
 - 7) PSI
 - 8) capacity (GPM)

YES	NO	Check Items
<u>X</u>	<u></u>	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
<u></u>	<u></u>	2. Special Qualifications to permit being abided by.
<u>X</u>	<u></u>	3. All Structures, wells and lands on map.

REMARKS:

Pivot is towed between two pads.
talked to Terrace Hill's Dad (Verlyn Hill)

Permit No. 2677-3Water Division 3 Sioux River Water District
10170302REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by Terrance Hill
RR2, Box 948 of Brookings, SD holder
of Permit No. 2677-3, bearing date of priority of 14 April, 19 76
authorizing the diversion of 3.7 cu. ft. per second of the waters of Ground water
for irrigation purposes, in Brookings County.

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

The Water Use System consists of,

A. Works used to divert the water:

1 65 foot well constructed by Grimshaw drilling,
using General Electric Motor [75 H.P. 1765 RPM 1.15 Service Factor]
and Western Land Roller pump [5120 H E80260 #8M]
Static Water Level 10ft. 17 May 83

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

3715 ft. of 12 inch PVC 80 PSI AG-FIP SCS430 DD CP971579D2601

C. Works used to apply water to beneficial use.

1 - Electrogator center pivot [Model 680 serial 88007073]
1292 feet long using 850 gpm at 65 psi with end gun.
Pivot is towed between two pads.

The system is in the following condition: excellentThe point of diversion is located 4455 ft N 58°W of SE Cor 22-110-49

The works are capable of diverting and conveying to the place of use 850 gpm 1.89
cu. ft. per second of water which is to be used for irrigation

Water has been put to beneficial use to the maximum extent as follows: SE 1/4 22 T 110 N R 49 W,
E 1/2 of SW 1/4 22 T 110 N R 49 W

NE 1/4 SW 1/4	37.0	SW 1/4 SW 1/4	5.0	NE 1/4 SE 1/4	32.0	SW 1/4 SE 1/4	36.0
NW 1/4 SW 1/4	5.0	SE 1/4 SW 1/4	37.0	NW 1/4 SE 1/4	36.0	SE 1/4 SE 1/4	32.0

comprising a total of 220 acres of land.

Date 11 July 83
John H. Hill
(Signature)

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2677-3

(1) WHEREAS, On the 14th day of April A. D. 19 76
Terrance Hill

made Water Right Application No. 2677-3 for a permit to use 3.70 cubic feet per second of the waters of groundwater (one well)

County of Brookings, State of South Dakota, for Irrigation purposes; and

(2) WHEREAS, On the 20th day of May A. D. 19 76
 Permit No. 2677-3, with a date of priority of April 14, 1976

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 20th day of May A. D. 19 81 and for the application to beneficial use of said water on or before the 20th day of May A. D. 19 84

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 1.89 cubic feet per second of water for beneficial use and,

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

to irrigate the following land all in Section 22, T110N, R49W

NE $\frac{1}{4}$ SW $\frac{1}{4}$ 37.0 acres (CA)

NW $\frac{1}{4}$ SW $\frac{1}{4}$ 5.0 " (CB)

SW $\frac{1}{4}$ SW $\frac{1}{4}$ 5.0 " (CC)

SE $\frac{1}{4}$ SW $\frac{1}{4}$ 37.0 " (CD)

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.0 " (DA)

NW $\frac{1}{4}$ SE $\frac{1}{4}$ 36.0 " (DB)

SW $\frac{1}{4}$ SE $\frac{1}{4}$ 36.0 " (DC)

SE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.0 " (DD)

TOTAL 220.0 acres

BEST IMAGE POSSIBLE FROM POOR ORIGINAL

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Terrance Hill

of RR 2, Box 948, Brookings, SD 57006
the holder and owner of said permit No. 2677-3 a water right, dating from April 14, 1976
to use of 1.89 cubic feet per second of the waters
of groundwater

in the County of Brookings and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at 33 4455 feet N 58°W of SE corner
Section 22, T110N, R49W (CB)

and conducted to and upon portions of land in Section 22, T110N, R49W more fully
described on the face of this license.

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 2677-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 26th day of September A. D.
Nineteen Hundred and Eighty-three

WATER MANAGEMENT BOARD

By

John Hatch
Chief Engineer, Executive Officer

JOHN HATCH

RECEIPT

Division of Water Rights

No 4 9360

South Dakota Department of Water and Natural Resources

Pierre, September 26, 1983

RECEIVED OF Terrance A. Hill, Route #2, Box 94B, Brookings, SD 57006

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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>2677-3</u>	50	00
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 (ms)

SOUTH DAKOTA
Department of
Water & Natural Resources

Joe Foss Building

523 East Capitol

Pierre, South Dakota 57501

WATER RIGHTS DIVISION

Phone (605) 773-3352

September 26, 1983

Terrance A Hill
Rt 2, Box 94B
Brookings SD 57006

Dear Mr. Hill:

Enclosed herewith is, Water License No. 2677-3. This is the final water right document completing your process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water.

Very truly yours,



JOHN HATCH, Chief Engineer
Water Rights Division

JH: ks

Enclosures

WNR-817 3/83
Transmittal of Water License

South Dakota Department of
Water & Natural Resources

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

February 17, 1989

Terrance A. Hill
 RR 1, Box 92
 Aurora, SD 57002

Dear Mr. Hill:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;

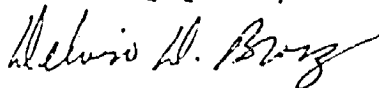


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,



for JOHN HATCH, Chief Engineer
Water Rights Division

Acres Irrigated - 259
Water Claimed - 3.7 cfs

TERRANCE A. HILL

IRRIGATION PROJECT #1

Brookings South Dakota

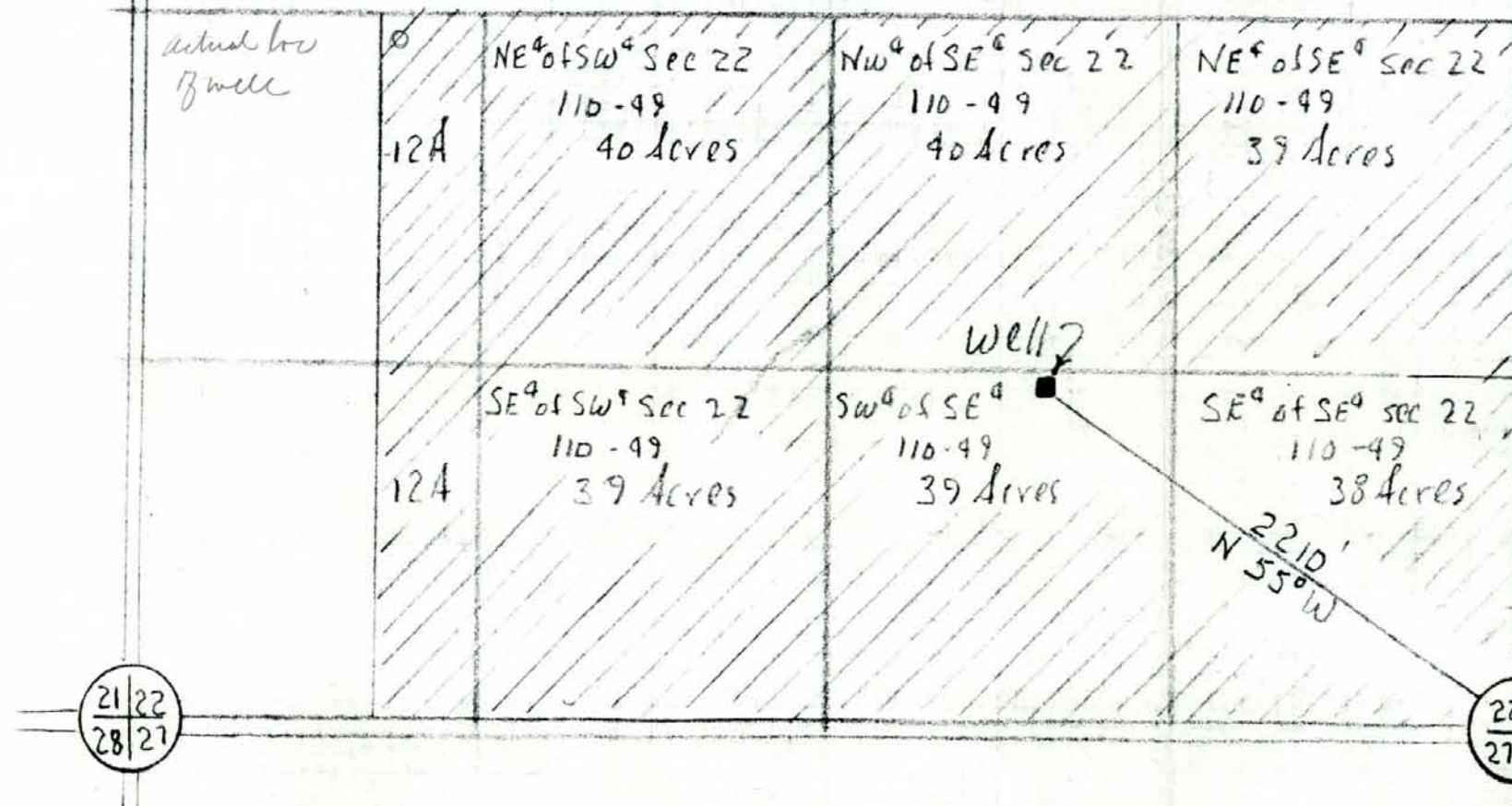
Brookings County

Land owned by:

Mary Eberle Trust

Point of Diversion - 2210' N 55° W of SE corner
Section 22 - 110-49

Scale - 8" = 1 Mile



Surveyor's Certificate

I, John L. Wiersma, do hereby certify that this map identifies a reasonably accurate record of the land of:

Terrance A Hill

Brookings, S. Dakota

Drawn by S. Hill

John L. Wiersma

4-4-76

P. E. Hill

Brookings
South Dakota

MAP NO 2040-3 APPL NO 2677-3

NOT TO SCALE

2677-3

110-49

113.9

64.8

75L

28.3

15.0

4.7

11.0

37.6

11.5

22

34.0

well

258.3

12" PVC
80 PSI
AG-PIP
SCS 430DD
9P9715 790 26 #01

well
original
location

pivot
point

4455 ft N 58° W

2677-3

110-49