

1. Considered January 28 19 81
2. Name of Applicant William Schunacher
3. Post Office Address Part A. Pierre, S.D.
4. Amount of Water Claimed 4.57
5. Source of Water Supply Four 130'± deep wells
6. Water to be used for IRR
7. Acres to be irrigated 320 maximum acre feet
8. Water to be diverted and used in Hughes County
about 10 N , 3 miles WEST of PIERRE
9. PROOF OF PUBLICATION Received (initials) 1-8-81
Not Received _____
APPLICATION Approved 1/28/81
Subject to WI - IQ
Not Approved _____
Action deferred _____

Priority Date
11/25/80 Received 11/25/80 Application Complete yes X no _____ FEE 325.00

Remarks _____

Date information and/or
fee or corrected Application received _____
Period of Annual use April - October

WATER
QUALITY

Received yes 12/1/80 no _____ APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as application yes no _____ Remarks _____

Disapproved _____

Returned _____

Diversion Point s Four wells
Well No 1, SW $\frac{1}{4}$ SW $\frac{1}{4}$, #2, in the
approximate center of SW $\frac{1}{4}$,
Wells #3 and #4 in the SE $\frac{1}{4}$ SW $\frac{1}{4}$
all in Section 1-T112N-R80W
Lands to be irrigated _____
SW $\frac{1}{4}$ AND SE $\frac{1}{4}$, Sec. 1-T112N-R80W

WELL
LOG

Remarks _____

Driller Dakota Boring Company Licensed yes XX no _____

Depth 130' +

Water Right No. _____

MAP

Map No. 3798-3 Map located in Water Right X Map file _____
Type of Map Aerial Prepared by PE-James Oehlerking

+++++

REVIEWED This Application was reviewed within 30 days of date received, accepted as complete, Number assigned and written up for advertisement before the Board on 1/28/81

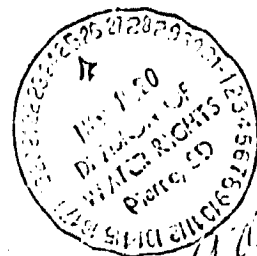
[Signature]
(Signed)

+++++

PROTESTS Letters/Petitions in File - yes _____ no _____ Remarks _____

REMARKS Date
F.F. & C Final Decision, including F.F. & C of Law were adopted _____
OF LAW, Date
FINAL Final Decision mailed to parties and/or parties notified that Final Decision
DECISIONS was adopted _____
ETC.

Remarks _____

No. 4580-3Map No. 3798-3 Water Division No. 3 MISSOURI RIVER District
Above for Office Use 10130105

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

Check one of the following:

New XX Vested Right _____ Future Use _____

Change in Diversion _____ Additional Diversion _____

Change in Acreage _____ Additional Acreage _____

1. Name of Applicant William Schumacher Phone No. 224-5651
 Post Office Address Part A Pierre State South Dakota 57501
 (Street, RR, or Box) (Town) (Zip Code)
 If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) contract3. Name of diversion work Schumacher Irrigation Project #5 & #64. Amount of water claimed (cubic feet per second) 4.57 CFS5. Source of water supply ground water6. Location of point of diversion 4 points of diversion: (1) SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1, T112N-R80W, (2) Center of the SW $\frac{1}{4}$, Sec. 1, T112N-R80W, (3) SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1, T112N-R80W, (4) SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1, T112N-R80W County Hughes7. Annual period or periods during which water is to be used irrigation season8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation9. For irrigation use, SW $\frac{1}{4}$, Sec. 1, T112N-R80W Total number of acres to be irrigated 160 acres

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

Land Description	No. Acres Irr.

Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 4 years.11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Pierre Capitol Journal

12. Principal Features of the Proposed Water Supply System.

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

Turbine pump

B. Works proposed to transport water to place of use

Buried pipeline

C. Works proposed to apply water to beneficial use

Center pivot irrigation systemEstimated Total Cost \$ 120,000

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

STATE OF SOUTH DAKOTA)

County of Stanley) ss.I, William Schumacher, 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 William SchumacherSubscribed and sworn to before me this 25th day of November, 1980

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Board of Water Management hereby approves Water Right Application No. 4580-3

William Schumacher Part A., Pierre
(Applicant) (Post Office Address)
South Dakota 57501 With the following qualifications.
(State)

This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

The irrigation wells 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 adequate domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application November 11, 19 80
Date of return to applicant for correction, amendments or changes required _____, 19____
Date of receipt of corrected application WQ December 17, 19 80
Approved January 28, 19 81, Recorded in Book 21 Page 348

WATER RIGHT PERMIT NO. 4580-3

The Board of Water Management hereby grants and issues this Water Right Permit No. 4580-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is November 11, 19 80.
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before July 28, 19 83.
3. The whole of said work is to be completed on or before January 28, 19 86.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is January 28, 19 90.
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 4.57 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 irrigation purposes said appropriation must be limited to not more than 2 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 January 28, 19 90; said water to be used during the following described annual period: April - October

Witness my hand this 20th day of February, 19 81

THE BOARD OF WATER MANAGEMENT

By: John Hatch

Chief Engineer, Water Rights

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

VERGIL H. WORM, Owner

Phone 2101

Date 7 Dec. 5-, 1958

Name _____

Addres.

FEET		INCHES		AMOUNT		SOIL LGG	
97	18	1753	53	Top Soil 2 ft			
100	18	2800	53	Clay 4 ft			
		2233	53	Sand Rock 4			
104	18	1120	53	Gravel 4			
		2244	75	Shale 4 ft 94			
				64 ft to 114 ft			

Well # 1

William Schumacher

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

- (1) Drill Hole, Diameter 31 inches, Depth 130 feet
- (2) Casing, Type P.V.C., Diameter 16 inches O.D., Thickness $\frac{1}{4}$ inch
(wood, concrete, steel, etc)
- (3) Screen, Type Johnson Irrigator, Diameter 16 inches, Length 10 feet
- (4) Gravel Pack, Thickness $7\frac{1}{2}$ inches, Length of gravel pack 130 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

(1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 30 feet

Depth to bottom of water bearing material 125 feet

Depth to water (ground surface to water level) 35 feet

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

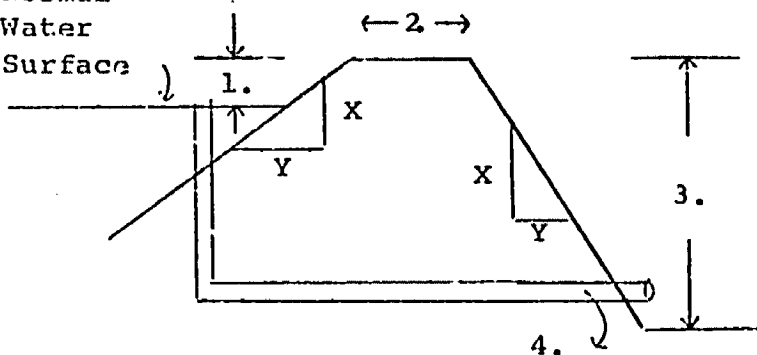
On same owner's property 7 rds.

On property owned by others 640 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, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.

Normal
Water
Surface



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
- Pipe diameter _____
- Spillway width _____
- X & Y slope:
- Upstream _____
- Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

William Schumacher

William Schumacher

Signature Applicant

Well # 2

William Schumacher

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

- (1) Drill Hole, Diameter 31 inches, Depth 140 feet
- (2) Casing, Type P.V.C., Diameter 16 inch O.D., Thickness 1/2 inch
(wood, concrete, steel, etc)
- (3) Screen, Type Johnson Irrigator, Diameter 16 inch, Length 10 feet
- (4) Gravel Pack, Thickness 7 1/2 inches, Length of gravel pack 140 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

(1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 40 feet

Depth to bottom of water bearing material 135 feet

Depth to water (ground surface to water level) 45 feet

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

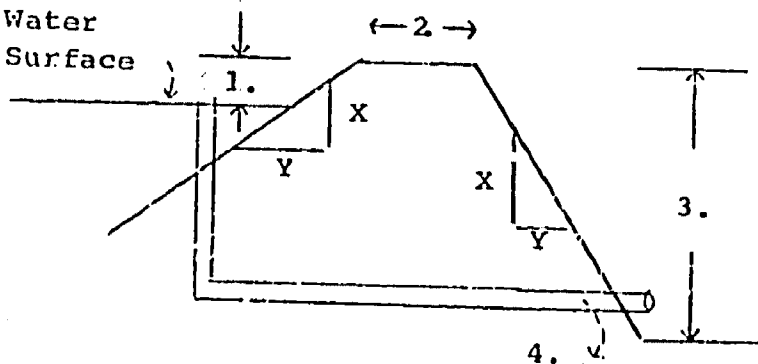
On same owner's property 80 rds.

On property owned by others 530 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, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.

Normal
Water
Surface



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
Pipe diameter _____
Spillway width _____
- X & Y slope:
Upstream _____
Downstream _____
Surface area of impoundment _____
Drainage area above dam _____

William Schumacher

William Schumacher
Signature Applicant

Well # 3

William Schumacher

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

- (1) Drill Hole, Diameter 31 inches, Depth 130 feet
- (2) Casing, Type P.V.C., Diameter 16 inches O.D. Thickness $\frac{1}{2}$ inch
(wood, concrete, steel, etc)
- (3) Screen, Type Johnson Irrigator, Diameter 16 inches, Length 10 feet
- (4) Gravel Pack, Thickness $7\frac{1}{2}$ inches, Length of gravel pack 130 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

(1) Water Bearing Materials. (Attach a copy of test well log)

- Depth to top of water bearing material 30 feet
- Depth to bottom of water bearing material 125 feet
- Depth to water (ground surface to water level) 35 feet

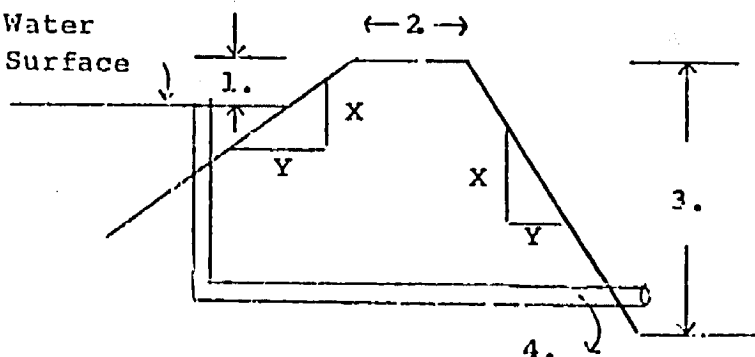
(2) Distance to nearest existing household or livestock watering well.

- On same owner's property 7 rds.
- On property owned by others 540 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, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.

Normal
Water
Surface



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
Pipe diameter _____
Spillway width _____
- X & Y slope:
Upstream _____
Downstream _____
Surface area of impoundment _____
Drainage area above dam _____

William Schumacher

William Schumacher
Signature Applicant

Well # 24

William Schumacher

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

- (1) Drill Hole, Diameter 31 inches, Depth 130 feet
- (2) Casing, Type P.V.C., Diameter 16 inches O.D., Thickness $\frac{1}{2}$ inch
(wood, concrete, steel, etc)
- (3) Screen, Type Johnson Irrigator, Diameter 16 inches, Length 10 feet
- (4) Gravel Pack, Thickness $7\frac{1}{2}$ inches, Length of gravel pack 130 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 30 feet

Depth to bottom of water bearing material 125 feet

Depth to water (ground surface to water level) 35 feet

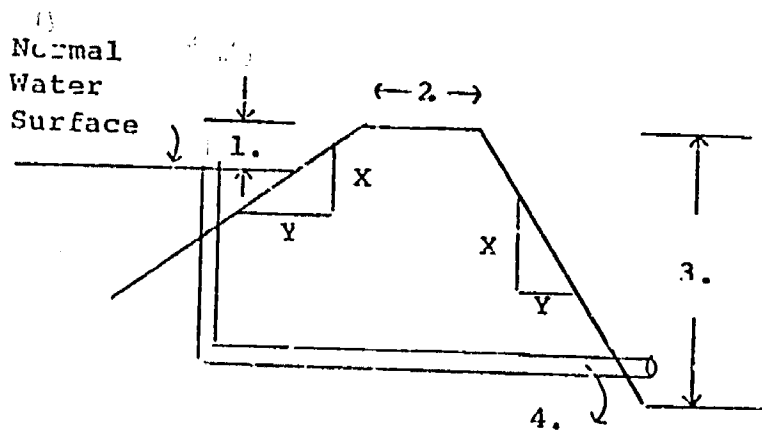
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property 7 rds.

On property owned by others 600 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, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.



1. Freeboard _____
2. Crest width _____
3. Height of Dam _____
4. Outlet dimensions:
- Pipe diameter _____
- Spillway width _____
- X & Y slope:
- Upstream _____
- Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

William Schumacher

William Schumacher
Signature Applicant

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM
STATE CONSERVATION COMMISSION
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

OWNERS NAME: William Schwaner OWNERS ADDRESS: 1011

COUNTY LAND LOCATED IN: Butte PHONE: 224-5001

TENANT'S NAME AND ADDRESS: (If Other Than Owner) _____

2647-111

In accordance with State Law SDCL 46-5-6.5, If a water permit is granted with a conditional Soil/Water Compatibility permit, a copy of such conditional soil/water compatibility permit must be filed with the County Register of Deeds. This action must be taken by the holder of a water permit within 6 months of receipt of such water permit.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres)

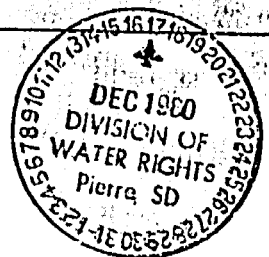
1. WELL LOCATION OR DIVERSION POINT: please refer to attached map
2. SURFACE WATER SOURCE: _____
3. LOCATION OF AREA TO BE IRRIGATED: NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet.)

Legal Description	Acres	Legal Description	Acres
SW ¹ , Sec. 1, T112N-R78E R-80	160		
SE ¹ , Sec. 1, T112N-R78E R-80	160		
PD 0-7-80			

4. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: ☒ GUN: _____ OTHER: _____ (Specify) _____
5. CROPS TO BE IRRIGATED: corn, beans, alfalfa, wheat
6. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: _____
LEGAL DESCRIPTION: _____
IN WHAT NAME: _____

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 80-1090
8. SALINITY (EC X 10⁶): 16.43
9. SODIUM (SAR): 1.20
10. ADJUSTED (SAR): 3.25 3.28



I hereby certify that I personally obtained or that I personally observed the taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at 2:00 a.m./p.m. on Nov. 24th, 1980, at the following location: 700' south of the center of Sec. 1 by T112N-R78E (Individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

I understand that the Division of Conservation or agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

25th DAY OF November, 1980.

(NOTARY PUBLIC)

IMPORTANT

William Schwaner
APPLICANT'S SIGNATURE

Jack M. Holt
Director, Division of Conservation

- APPROVED _____
DISAPPROVED _____
☒ CONDITIONALLY APPROVED

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER PERMIT must be obtained from the Board of Water Management.

Conditional

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT William Schumacher

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED

Batts are to steep.

Jbd - Java-Batts complex. Soils areas that exceed 9% should be tied down with permanent type vegetation to hold down water erosion.

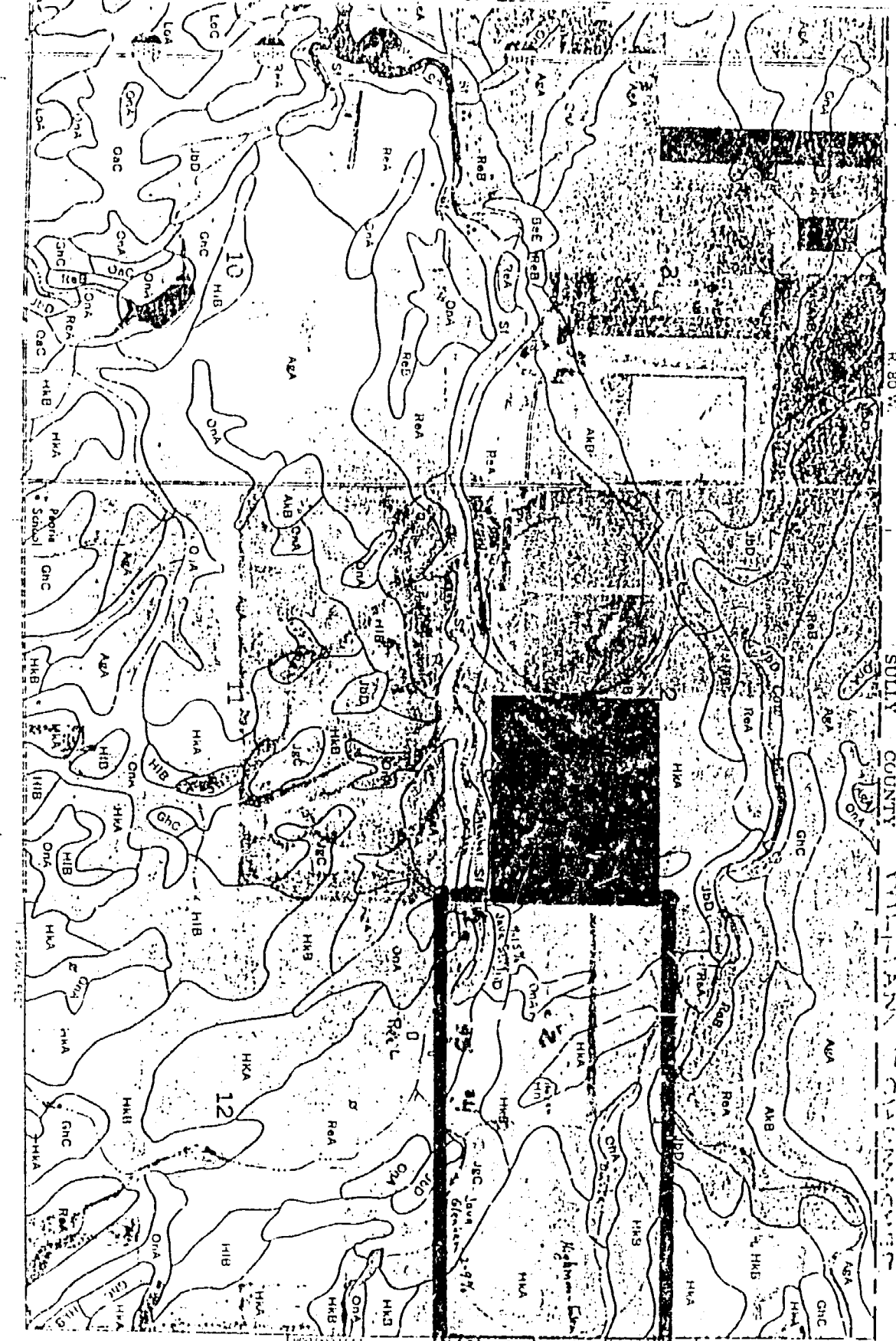
RECOMMENDED MANAGEMENT:

Water should not be applied more than 3 to 4 times during the irrigation season. Each uninterrupted application should be of at least 2 to 3 inches of water or the most possible without runoff.

Surface drainage suggested on low spots and/or swale areas.

Deep tillage may be beneficial if occasionally used and should be coordinated with heavy fall application of irrigation water.

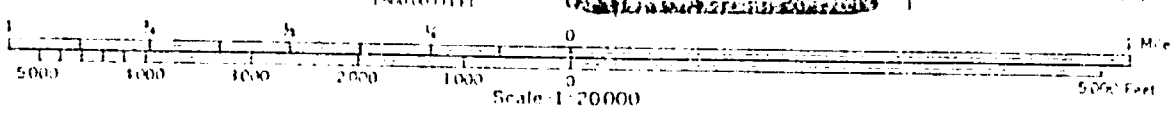
You may want to consider an excavation in the north central part (in swale area outside of the pivot circles) to be used for the accumulation of excess water, which can be pumped through your system



R. 80 W.

SULLIVAN COUNTY

TENNESSEE



Scale 1:20,000

Publish first publication, on or before January 2, 1981NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 18, 1980

Notice is hereby given that William Schumacher whose post office address is Pierre, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 4.57 cubic feet of water per second of time from ground water

(four wells) through the Schumacher Irr. Proj. #5 & #6 the point(s) of diversion of which ~~are~~ (are) to be located ~~XXXXX~~ Well #1- SW 1/4 SW 1/4; #2- In the approximate center of the SW 1/4, Wells #3 and #4 In the SE 1/4 SW 1/4 all in

~~of~~ Section 1, Twp. 112N, Range 80W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

S 1/2, Section 1, T112N, R80W

This Application No. 4580-3 will be considered by the Water Management Board at Meeting Room #1, Knopf Building Church & Illinois, Pierre, SD upon the 28th day of January, 1981

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

cc: William Schumacher
Part A, Pierre, SD 57501

BETTY WESTLUND
Water Rights Specialist

No. 4580-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hughes) ss.

I, John H. Hipple hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Daily Capital Journal

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 _____ Pierre _____

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

December 31, 1980 and

January 7, 1981.

John H. Hipple
(Signature)

Business Manager
(Title)

January 7, 1981
(Date Signed)



Legal Notice

No. 5627 - 2 t dly Dec. 31 - Jan 7
No. 4580-3

**NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER**

Notice is hereby given that William Schumacher whose post office address is Pierre, South Dakota has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-21, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 4.57 cubic feet of water per second of time from ground water (four wells) through the Schumacher Irr. Proj. No. 5 & No. 6, the point(s) of diversion of which (are) to be located Well No. 1 - SW $\frac{1}{4}$ SW $\frac{1}{4}$; No. 2 - in the approximate center of the SW $\frac{1}{4}$, Wells No. 3 and No. 4 in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ all in Section 1, Twp 112N, Range 80W. Said water to be used for the purpose of providing irrigation of portions of the following described land: S $\frac{1}{2}$, Section 1, T112N, R80W. This Application No. 4580-3 will be considered by the Water Management Board at Meeting Room No. 1, Kneip Building, Church & Illinois, Pierre, SD upon the 28th day of January, 1981 at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to hearing.

Water Management Board
Betty Westlund,
Water Rights Specialist

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7796

PIERRE, November 25, 1930

RECEIVED OF William Schmacher, RFD, Earl A. Pierre, SD 57501

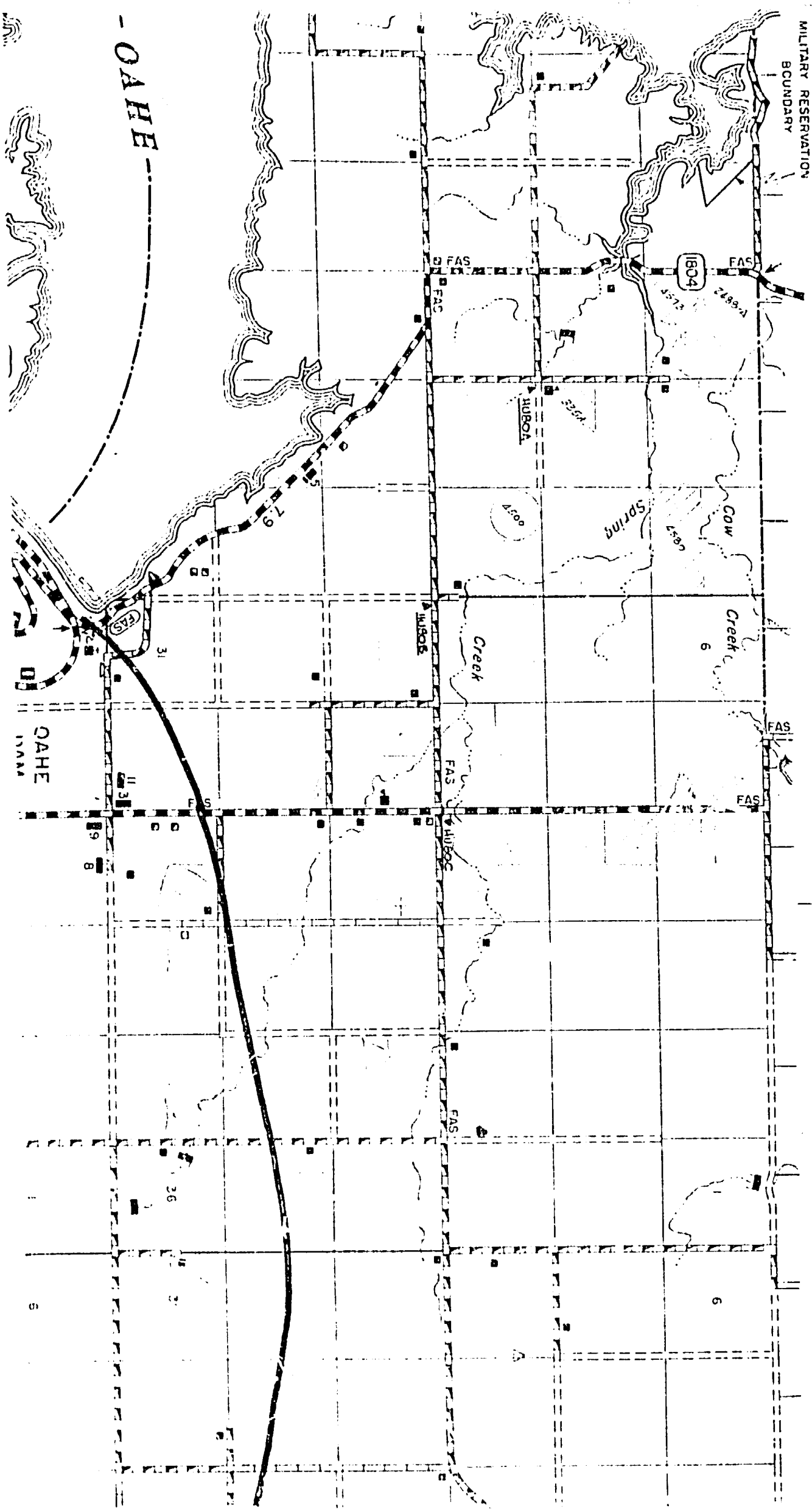
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)	325.00
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	
Fee for certified copy of	
Fee for Print copy of map	
Fee for Certifying	
Fee for	
(any other work as provided by law)	
TOTAL	325.00

WATER RIGHTS COMMISSION

By *(John H. H. H.)*
Chief Engineer, Executive Officer

FORMER FORT SULLY
MILITARY RESERVATION
BOUNDARY



January 26, 1984

William Schumacher
SR#149
Pierre, South Dakota 57501

Dear Mr. Schumacher:

This letter is in reference to the 1983 Irrigation Questionnaire you submitted for Water Permit No. 4580-3. You indicated on the questionnaire that Permit 4580-3 was not one of yours and that it pertained to the "Alleman Land".

Enclosed is a copy of Permit No. 4580-3, listed in your name. The permit authorizes irrigation of 320 acres in the S $\frac{1}{2}$ Section 1, T112N, R80W. Permit No. 4573-3 also listed in your name, authorizes irrigation for 147 acres in the SW $\frac{1}{4}$, Section 3, T112N, R80W.

If you no longer own the land covered under 4580-3, the permit can be transferred. Transfer forms are available upon request. If you own, but do not operate it the questionnaire can be sent to a renter or leasor. Please notify this office as to the status of your permit.

Enclosed is the irrigation questionnaire pertaining to Permit No. 4580-3. Please complete the form as accurately as possible and return it to this office. Your assistance in this matter would be appreciated.

Sincerely,

Genny McMath
Water Resources Analyst

GM:mms
Enc.



Department of Water & Natural Resources

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

February 17, 1989

William S. Schumacher
HCR 37, Box 149
Pierre, SD 57501

Dear Mr. Schumacher:

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;

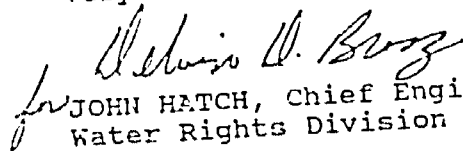


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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



Department of Water & Natural Resources

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

December 3, 1990

4580-3

Ed Leahy
Attorney at Law
PO Box 1030
Sioux Falls, SD 57101

Dear Mr. Leahy:

Enclosed, as you requested, is a copy of Water Permit No. 4580-3. The Permit is currently listed in the name of William Schumacher, Pierre, SD.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Natural Resources Analyst
(605) 773-3352

enclosure

cc: Jeanne Ochsner, Hughes County Abstract Co (with copy of permit)

Permit No. 4580-3
Missouri 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, June 22, 1999 made a thorough examination of the water use system constructed by William Schumacher of 19684 285th Ave., Pierre, SD 57501 holder of Permit No. 4580-3, bearing the priority of November 11, 1980 authorizing the diversion of 4.57 cu. ft. per second of the waters of Gray Goose Aquifer for irrigation purposes, in Hughes County.

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

A. Works used to divert the water:

Well #1 - 99' deep with 69' of 16" pvc casing and 10' of stainless steel screen and 20' of slotted pvc screen, Valley pump rated at 800 gpm and a US Electric motor rated at 75 hp.

Well #2 - 110' deep with 80' of 16" pvc casing and 10' of stainless steel screen and 20' of slotted pvc screen, Valley pump rated at 800 gpm and a US Electric motor rated at 75 hp.

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

1230' of 8" pvc pipe from well #1 to the center pivot in the SW $\frac{1}{4}$ and 2020' of 8" pvc from well #2 to the center pivot in the SE $\frac{1}{4}$.

C. Works used to apply water to beneficial use:

Two center pivots both Valley pivots 1330' long with 8 towers and an end gun, high pressure systems rated at 800 gpm.

The system is in the following condition good. The points of diversion are located well #1 is 100' N and 1330' E; well #2 is 100' N and 2386' E all from the SW corner of Section 1, T112N, R80W. The works are capable of diverting and conveying to the place of use 3.56 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:

All in Section 1, T112N, R80W:

NE SW 33 acres NE SE 33 acres

NW SW 33 acres NW SE 33 acres

SW SW 33 acres SW SE 33 acres

SE SW 33 acres SE SE 33 acres

comprising a total of 264 acres of land and the license should be issued for 3.56 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none

Lynn Beck
 Lynn Beck
 Natural Resources Engineer
 DENR, Water Rights Program

Oct. 28, 1999
 Date

REPORT ON INSPECTION OF PERMIT NO. 4580-3

DATE OF INSPECTION: 6-22-99

Other permit(s) associated with the project: none

NAME & ADDRESS OF INSPECTION CONTACT: William Schumacher, 19684 285th Ave., Pierre,
SD 57501.

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: owner

NAME & ADDRESS OF PERMIT HOLDER: same as above

DIVERSION POINT LEGAL LOCATION: Well #1 is 100' N and 1330' E; well #2 is 100'N and 2386
E all from the SW corner of Section 1, T112N, R80W.

WELL INFORMATION: Well #1 and Well #2

- 1) Well Drilling Firm: Dakota Boring
- 2) No. of Wells 2
- 3) Depth(s) 99; 110 feet
- 4) Well logs are available yes

Casing:

- 1) Diameter 16; 16 inches
- 2) Length 69; 80 feet
- 3) Type pvc

Screen:

- 1) Type stainless steel and pvc for both
- 2) Length 10 and 20 feet for both wells
- 3) Static water level # feet

Pump: at both wells

- 1) Make Valley
- 2) Model #
- 3) Size #
- 4) Capacity 800 GPM

Motor:

- 1) Make US Electric
- 2) Model No. #
- 3) Horsepower rating 75 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type pvc 2) Size 8" 3) Length 3250 feet

SYSTEM TYPE:

Center Pivot: In the SW $\frac{1}{4}$

- 1) Make Valley
2) Overall length 1330
3) Number of towers 8
4) End gun yes
5) High or low pressure high
6) Capacity 800 GPM

Center Pivot: In the SE $\frac{1}{4}$

- 1) Make Valley
2) Overall length 1330
3) Number of towers 8
4) End gun yes
5) High or low pressure high
7) Capacity 800 GPM

CHEMIGATION EQUIPMENT:

- 1) Does chemigate no

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Special qualifications to permit being abided by yes
2) All structures, wells and lands on map yes
3) Irrigation questionnaires checked to determine if permit ov/ner started irrigation by the end of construction period yes



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

December 16, 1999

2488-3A

4573-3

4580-3

William Schumacher
S 19684 295th Ave.
Pierre, SD 57501

Dear Mr. Schumacher:

The investigation of your water use systems was conducted on June 22, 1999, by Lynn Beck, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit Nos. 2488-3A, 4573-3 and 4580-3. Your final water right documents, the Water Licenses, can now be issued.

Statutes require that we charge a \$50.00 fee per license (\$150.00 total) for the investigation and issuance of the Water Licenses. Upon receipt of the \$50.00 fee per license (\$150.00 total) 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 numbers. This will insure proper handling of the fee.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

December 16, 1999

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4573-3
4580-3

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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 numbers. This will insure proper handling of the fee.

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

No 416314

Pierre, December 27, 1999

RECEIVED OF William Schuacher, 19084 285th Ave., Pierre, SD 57501
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. 4580-3

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 Hatcher (signature)
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

DEC 30 1999

2488-3A

4573-3

4580-3

William Schumacher
19684 295th Ave.
Pierre, SD 57501

Dear Mr. Schumacher:

Enclosed are Water License Nos. 2488-3A, 4573-3 and 4580-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 416312, 416313 and 416314 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 wells authorized by Water Right Nos. 2488-3A, 4573-3 and 4580-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water 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

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4580-3

(1) William Schumacher, 19684 285th Ave, Pierre SD 57501 made Application No. 4580-3 November 11, 1980 for a water permit to divert 4.57 cubic feet of water per second from groundwater (four wells), Hughes County, South Dakota for irrigation purposes. Permit No. 4580-3, with a priority date of November 11, 1980 was approved January 28, 1981 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before January 28, 1986 and for the application to beneficial use of said water on or before January 28, 1990.

(2) It is certified that the permit holder 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 3.56 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 100 feet north and 1,330 feet east and Well #2 - 100 feet north and 2,386 feet east; all from the southwest corner of Section 1-T112N-R80W (SE $\frac{1}{4}$ SW $\frac{1}{4}$).

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 1-T112N-R80W			
NE $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres	NE $\frac{1}{4}$ SE $\frac{1}{4}$	33 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres	NW $\frac{1}{4}$ SE $\frac{1}{4}$	33 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres	SW $\frac{1}{4}$ SE $\frac{1}{4}$	33 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres	SE $\frac{1}{4}$ SE $\frac{1}{4}$	33 acres
Total 264 acres			

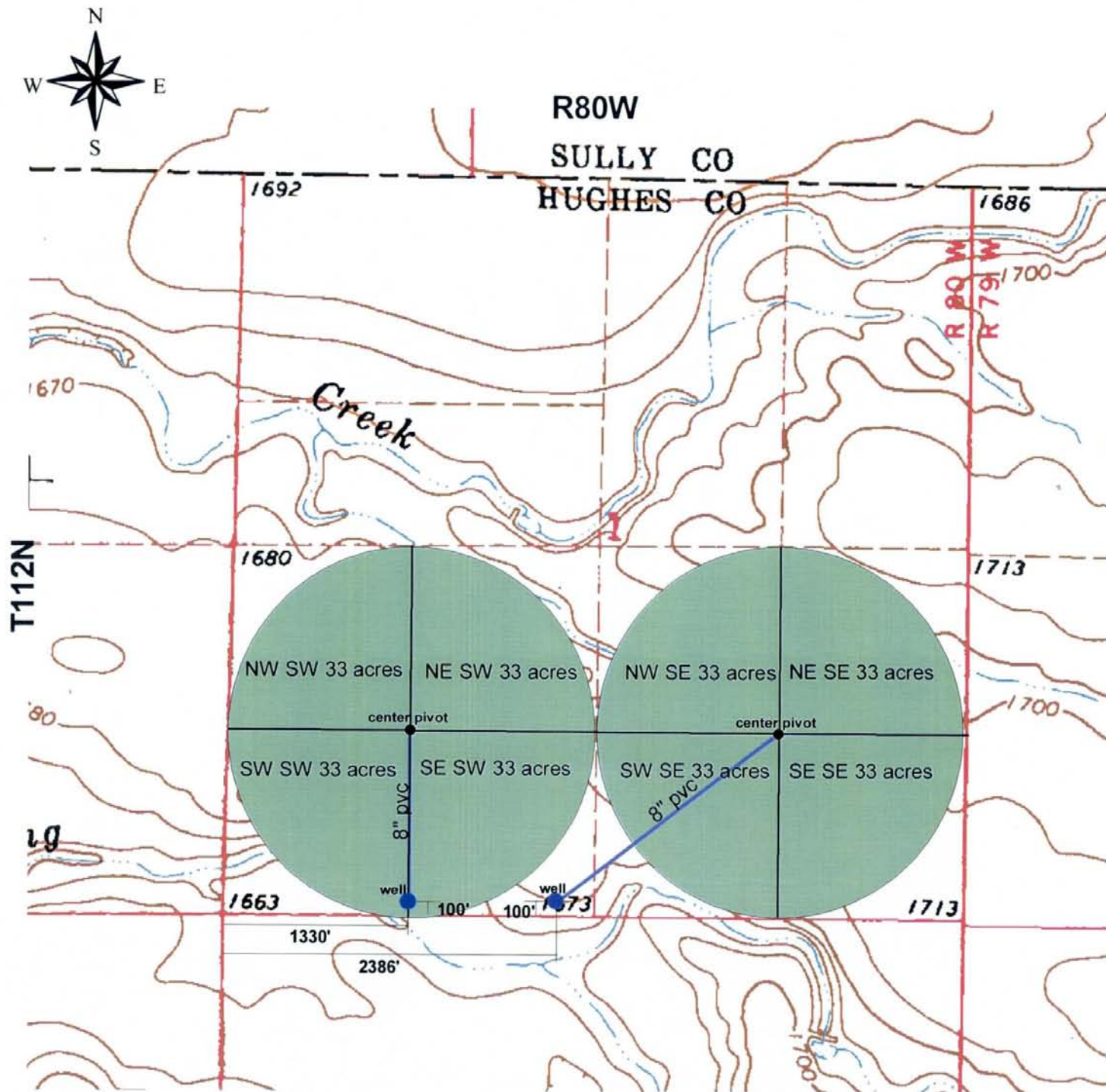
(4) Pursuant to South Dakota Water Law 46-5-30.1 Williams Schumacher, 19684 285th Ave, Pierre SD 57501 the holder and/or owner of Water Right No. 4580-3 is issued a license to appropriate water, the right to use 3.56 cubic feet of water per second from groundwater (two wells) with a priority date of November 11, 1980 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Right No. 4580-3 and subject to South Dakota State Law.

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

DEC 30 1990
date



WATER RIGHT NO. 4580-3



Lynn Beck

Lynn Beck
Natural Resources Engineer
DNR, Water Rights Program
October 28, 1999



South Dakota Department of
Environment and Natural Resources



Protecting South Dakota's Tomorrow ... Today

NOT TO SCALE

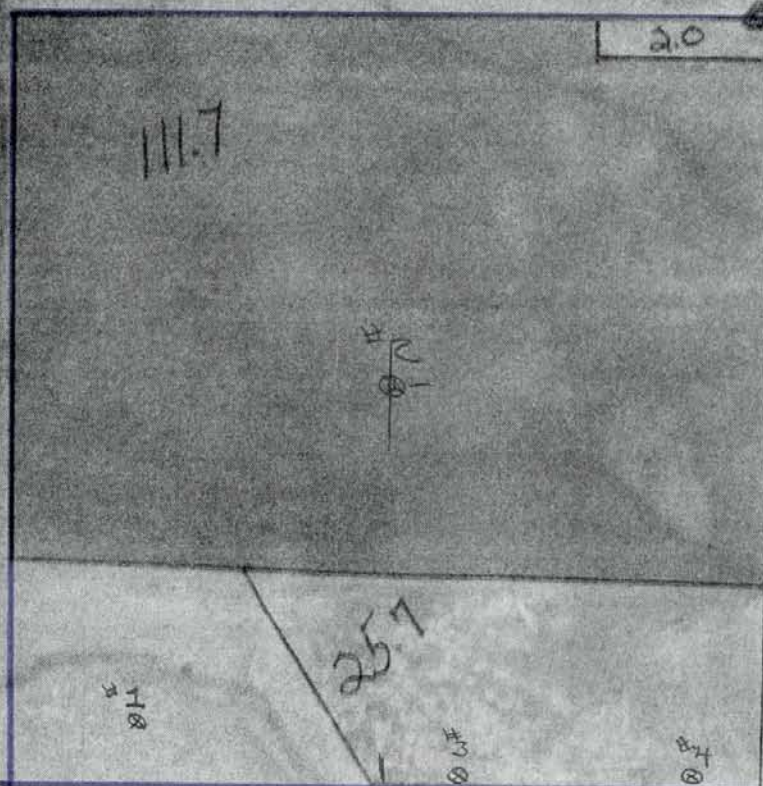
WILLIAM Schumacher Water Appropriation Map

S. $\frac{1}{2}$, Section 1
T 112 N
R 80 W.
Hughes County

STATE OF SOUTH DAKOTA)
COUNTY OF STANLEY)

I, M. James Oehlerking, Registered Professional Engineer No. 2722, In the State of South Dakota, do hereby certify that at the request of William Schumacher, proprietor, I have shown the lands proposed to be irrigated within said boundaries on Nov. 24th, 1980 for which application for appropriative water right is made and that this is a true representation thereof.
Witness my hand and seal this 25th day of November, 1980.

/ M. James Oehlerking



4 POINTS OF DIVERSION 25-12

~~MAP 2-3498-3~~

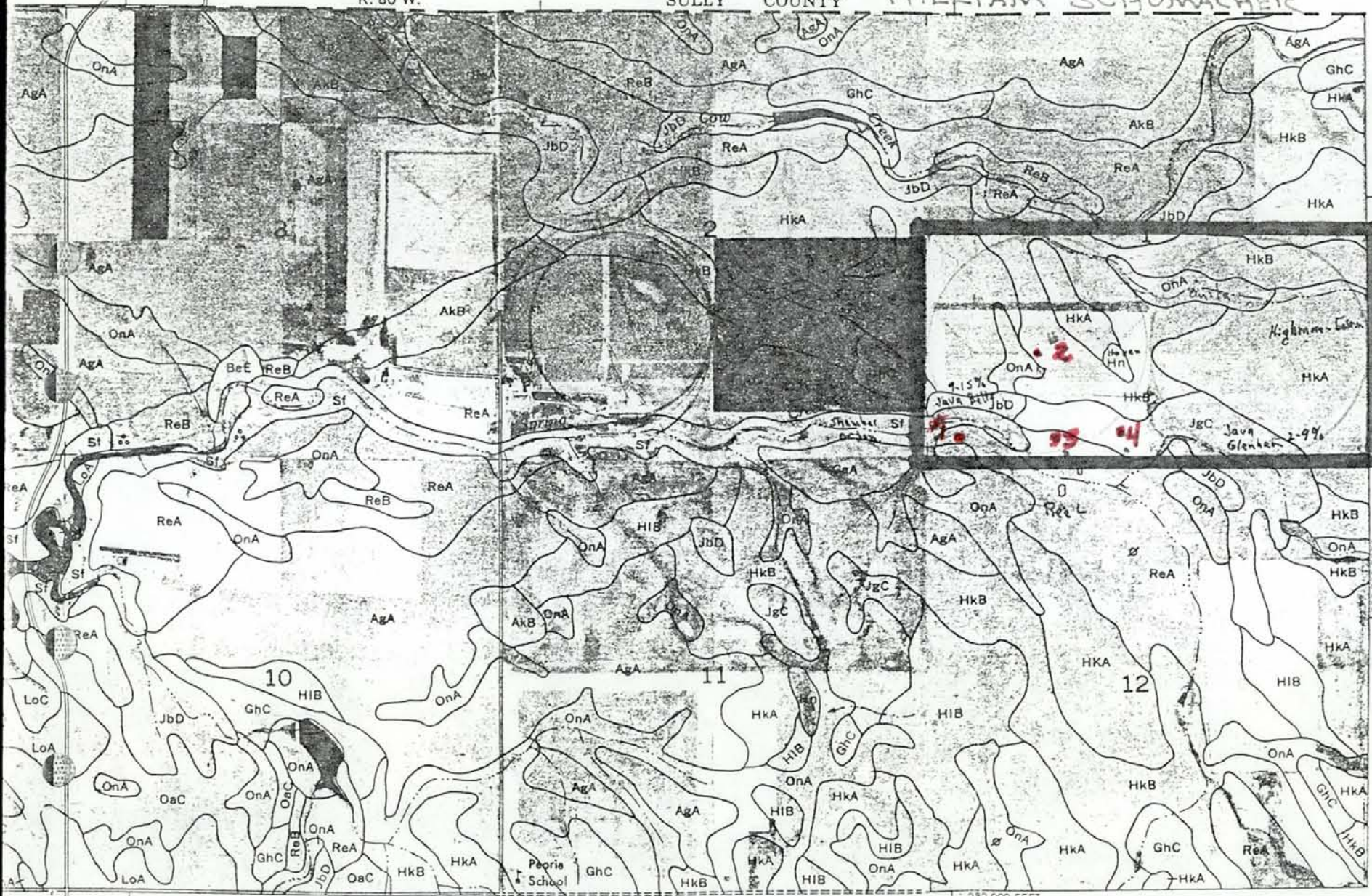
APPL 4580-3

S^{1/2}, SEC. 1, T12N - R80W, HUGHES COUNTY

R. 80 W.

SULLY COUNTY

WILLIAM SCHUMACHER



Scale 1:20000

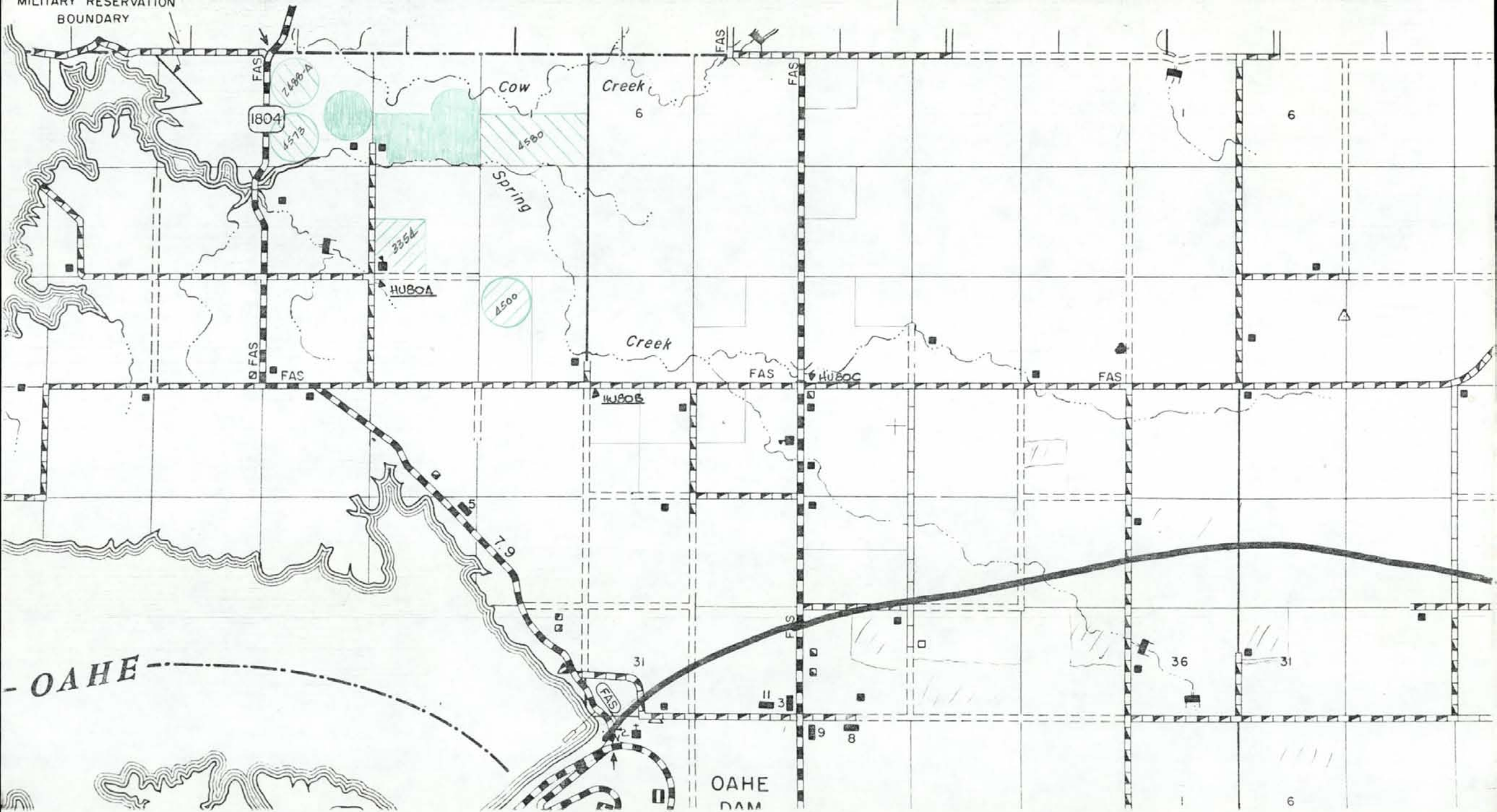
4 POINTS OF DIVERSION

R 80 W

R 79 W

4580-3

FORMER FORT SULLY
MILITARY RESERVATION
BOUNDARY





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 12, 2008

No. 1621-3
4580-3

Marvin Schumacher
19683 SD Hwy 1804
Pierre SD 57501

Dear Mr. Schumacher:

The return of the 2008 Irrigation Questionnaire indicated an ownership change has taken place on Water Right Nos. 1621-3 and 4580-3. Enclosed are partially completed "Notice of Transfer" forms for use in filing an ownership change on these water rights. The water rights are currently listed in the name of William S Schumacher. I have also enclosed copies of the water rights for your files.

The transfer forms should be checked over for accuracy and **signed by the new owner**. Upon completion, return the form to our office with a required filing fee of \$2.50 each (total \$5.00).

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a water permit or water right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352
email: karen.schlaak@state.sd.us

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED

NOV 25 2008

WATER RIGHTS
PROGRAM

No. 4580-3

Date: 11-24-08

I/We request that Water Right/Permit No. 4580-3

formerly owned by: William S Schumacher

be transferred to: (name & address)

Marcia Schumacher 19683 Hwy 1804
Pierre, SD 57501

Telephone No. 605-224-2817

Title to the following described land(s)/property has been transferred as described above:

264 acres - S 1/2 Section 1-T112N-R80W

I/We understand that the validity of Water Right/Permit No. 4580-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Marcia Schumacher, the new owner, certify that the above information is true and correct.



(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/25, 2008

RECEIVED OF Marvin Schumacher 19683 Hwy 1804 Pierre SD 57501

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	2	50
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 <u>4580-3</u>		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____	2	50
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	2 50

No.

03806

By

Michael Enbelle
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 26, 2008

1621-3
4580-3

Marvin Schumacher
19683 Hwy 1804
Pierre SD 57501

Dear Mr. Schumacher:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" forms and filing fees you submitted for transferring Water Right Nos. 1621-3 and 4580-3.

The ownership changes have been completed. The water rights formerly held by William S Schumacher are now listed in your name.

Enclosed are Receipt Nos. 03806 and 03807 in the amounts of \$2.50 each which you paid to cover the cost of the filing fees. You may keep these for your records.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us