

1. Considered May 22 19 80
2. Name of Applicant WARREN and GLENN THOMPSON
3. Post Office Address AURORA SD
4. Amount of Water Claimed 5.0
5. Source of Water Supply 150' WELL
6. Water to be used for IRR.
7. Acres to be Irrigated 408 maximum
acre feet
8. Water to be diverted and used in BROOKINGS County
about 1W, 2 miles SOUTH of WHITE
9. PROOF OF PUBLICATION Received 5-19-80

Not Received

APPLICATION

Approved

Subject to

No. Approved

Action deferred

Priority

Date

3-24-80Received 3-24-80 Application Complete yes no FEE 300.00

Remarks

WATER
QUALITY

Date information and/or

fee or corrected Application received 1st April 4, 1980Period of Annual use APRIL thru OCTOBERReceived yes 5/8/80 no APPROVED CONDITIONAL (Circle one)WI-1 Description same as application yes no Remarks

Disapproved

Returned

Diversión Point

SW⁴ SE⁴ 23-T11N-R49W

Lands to be Irrigated

E¹/₂ W¹/₂ & E¹/₂23-111-49WELL
LOG

Remarks

Driller

Kaiser's

Licensed

yes

no

Depth

150' well

MAP Map No. 3741-3 Map located in Water Right X Map file _____
 Type of Map Aerial Prepared by Wiersma

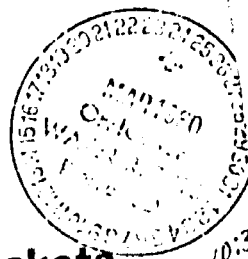
+++++

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 5-22-80. Betty Westlund
 (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. 4518-3
Map No. 3741-3 Water Division No. 3 BIG SIOUX District
Above for Office Use

070202

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

Check one of the following:

New ☒ Vested Right ☐ Future Use ☐

Change in Diversion ☐ Additional Diversion ☐

Change in Acreage ☐ Additional Acreage ☐

1. Name of Applicant Warren + Glenn Thompson Phone No. 629-6061
Post Office Address Avera State S. Dakota 57002
(Street, R.R. 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) Contract Labor

3. Name of diversion work Thompson's Irrigation Project #1

4. Amount of water claimed (cubic feet per second) 5.0

5. Source of water supply well

6. Location of point of diversion 1300' N 89°W of SE corner Sec 23-111-49

7. Annual period or periods during which water is to be used April through October County Brookings County

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 408

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.
E 2 of NW 1/4 of Sec 23-111-49	78
E 2 of SW 1/4 of Sec 23-111-49	62
W 2 of NE 1/4 of Sec 23-111-49	79
NE 1/4 of NE 1/4 of Sec 23-111-49	22

Land Description	No. Acres Irr.
SE 1/4 of NE 1/4 of Sec 23-111-49	29
W 2 of SE 1/4 of Sec 23-111-49	64
NE 1/4 of SE 1/4 of Sec 23-111-49	39
SE 1/4 of SE 1/4 of Sec 23-111-49	25

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use Three years.

11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Brookings Register

12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.
well with deep well turbine pump

B. Works proposed to transport water to place of use.
closed conduit - buried

C. Works proposed to apply water to beneficial use.
center pivot irrigation machines

Estimated Total Cost \$ 130,000

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 Brookings) ss.

I Glenn Thompson 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 Glenn Thompson

Subscribed and sworn to before me this 14 day of March, 1980
John Sedgewick
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Board of Water Management hereby approves Water Right Application No. 4518-3

WARREN AND GLENN THOMPSON AURORA
(Applicant) (Post Office Address)
SOUTH DAKOTA 57002 With the following qualifications.
(State)

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

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

Date of first receipt of application MARCH 24, 1980
Date of return to applicant for correction, amendments or changes required MARCH 24, 1980
Date of receipt of corrected application WQ, 1980
Approved MAY 22, 1980, Recorded in Book 21 Page 203
WATER RIGHT PERMIT NO. 4518-3

The Board of Water Management hereby grants and issues this Water Right Permit No. 4518-3 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 MARCH 24, 1980
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 22, 1982
3. The whole of said work is to be completed on or before MAY 22, 1985
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 22, 1988
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 5.0 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 MAY 22, 1988; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 9th day of JUNE, 1980

THE BOARD OF WATER MANAGEMENT

By John H. H. H.
Chief Engineer, Water Rights

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

Kaiser's Well Works De Smet, South Dakota 57231

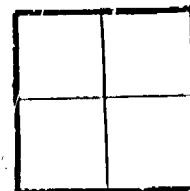
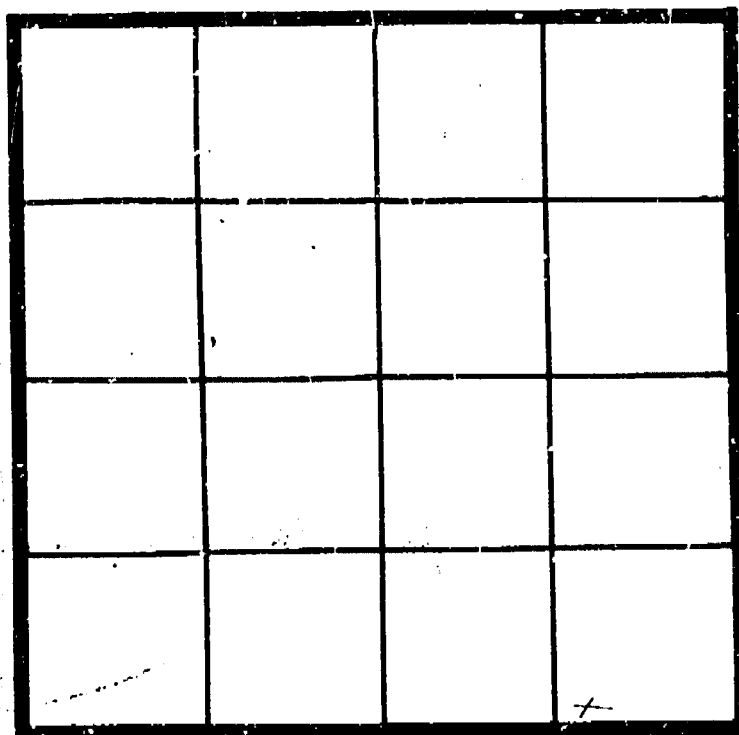
IRRIGATION-TESTING-DRILLED-STOCK AND DOMESTIC
BORED WELLS Ph. 854-3744

Name Donald Lee Thompson

Location _____

Township _____

Section _____



Test hole No. 1

Data

Top soil	0-1'
yellow clay	1-35'
gravel dirty	35-65'
Blue clay	65-72'
gravel	72-87'
gravel tight	87-95'
Blue clay	95-114'
gravel w/ some	114-150'
layers of thin	
Blue clay	
Blue clay	150-

Test hole No. 2

Data

Driller: <u>Donald Thompson</u>	

71' 11" 114' 150'

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 7.0", Depth 150'
- (2) Casing, Type Steel, Diameter 14", Thickness 3/4"
(wood, concrete, steel, etc.)
- (3) Screen, Type Cast Steel, Diameter 14", Length 20'
- (4) Gravel Pack, Thickness 3', Length of gravel pack 78'

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 72'
- Depth to bottom of water bearing material 150'
- Depth to water (ground surface to water level) 70'

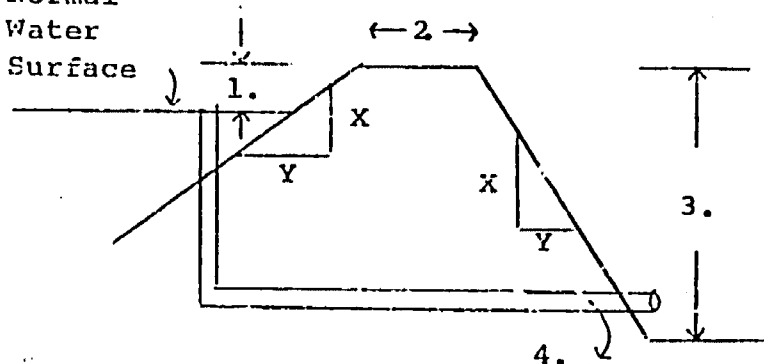
(2) Distance to nearest existing household or livestock watering well.

- On same owner's property 240 rds.
- On property owned by others 90 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 _____

Alan Thompson
Signature Applicant

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

RECEIVED

APR 10 1980

South Dakota
Division of ConservationOWNERS NAME: William & Helen ThompsonOWNERS ADDRESS: 4400 S. D. Ave.COUNTY LAND LOCATED IN: Brookings PHONE: 637-6661

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

In accordance with State Law SDCL 46-5-6.2, if a water right is granted with a conditional permit (Soil/Water Compatibility), a copy of such conditional permit must be filed with the County Register of Deeds. This action must be taken by the holder of a water right within 6 months of receipt of such water right.

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

- WELL LOCATION OR DIVERSION POINT: Sec. 15, T. 125 N., R. 23 W., S. 100
- SURFACE WATER SOURCE: well
- LOCATION OF AREA TO BE IRRIGATED: 1/2 and 1/4 of Sec. 15 and 1/4 of Sec. 16, T. 125 N., R. 23 W., S. 100 408 ac total
- INDICATE NON-IRRIGATED AREAS AND (APPROX.) ACRES ON MAP: (Farmstead, shelterbelts, wetlands, etc.)

TYPE OF IRRIGATION: (Show approximate acres under each type of system)

- GRAVITY _____ TOWLINE _____ CENTER PIVOT _____ GUN _____ OTHER (Specify) _____
- CROPS TO BE IRRIGATED: corn & alfalfa
- SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: _____
- LAND: _____
- IN WHAT NAME: _____

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

- SAMPLE NUMBER: 80-136
- SALINITY (EC X 10⁶): 590
- SODIUM (SAR) 0.15 ADJUSTED (SAR) 0.35

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 back) were followed, and that the sample was taken at 5:00 A.M./P.M., on March 13, 1980, at the following location: Sec. 15, T. 125 N., R. 23 W., S. 100.
Bill Thompson (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 also hereby certify that a chemical analysis of the irrigation water representative of that used to irrigate shall be acquired from South Dakota State University and the soils information is been acquired from Brookings Conservation District, County Extension Office or Soil Conservation Service; and further, that the legal description for the location of the well and land to be irrigated is true and correct.

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
14 DAY OF March, 1980.

John J. [Signature]
(NOTARY PUBLIC)

William Thompson
APPLICANT'S SIGNATURE

Keith L. Warner
Director, Division of Conservation

☒ APPROVED
☐ DISAPPROVED
☐ CONDITIONALLY APPROVED



IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application.

In all cases a WATER RIGHT must be obtained from the State Water Right Commission.

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT WALTER A. BLOOM, TROTTER

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

RECOMMENDED MANAGEMENT:

1. Water should not be applied more than times during the irrigation season.
2. Each uninterrupted application (one rotation of center pivot) should be of at least inches of water.
3. ☒ Yes ☐ No Surface drainage suggested on any area that tends to pond
4. ☐ Yes ☐ No Subsurface drainage suggested on water/
5. ☐ Deep tillage (for the purpose of aiding movement of water through dense subsoils)

COMMENTS:

6. ☐ Heavy fall application of irrigation water.
7. Type of irrigation system recommended for use on this application modified center pivot

GENERAL COMMENTS:

The drainageway that crosses the NE of the property should be graded to a uniform slope, if necessary to prevent ponding, and treated as a grassed waterway for run off water.

Copy to applicant
Copy to Water Rights
Copy on File

No. _____

Publish first publication, on or before May 9, 1980

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

May 9, 1980

Notice is hereby given that Warren & Glenn Thompson whose post office

address is Aurora, 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 5.0 cubic feet of water per second of time from groundwater

(one well) #1 through the Thompson's Irrigation Project the point of diversion of which is ~~(xxx)~~ to be located in the SW 1/4 SE 1/4

of Section 23, Twp. 111N, Range 49W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

E 1/2 W 1/2 and E 1/2 of Section 23, T111N, R49W

This Application No. _____ will be considered by the Water Management Board at the Civil Defense Room Capitol Building, Pierre, South Dakota upon the 22nd day of May, 1980

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, DVNR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

cc: Warren & Glenn Thompson, Aurora, SD
57002

BETTY WESTLUND
Water Rights Specialist

WNR-806A-7/79
GROUNDWATER

Affidavit of Publication

State of South Dakota

ss

County of Brookings

Gary Quam

of said county, being first duly sworn, on oath, says: That he is one of the editors of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that he has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year next prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed in the office maintained at said place of publication; and that the

Legal No. 235

61 lines x .367

a printed copy of which, taken from the paper in which the same was published, is hereto attached marked Exhibit "A," and is made a part

of this affidavit, was published in said newspaper for Two

successive weeks, to-wit:

May 9	19 80	19
May 16	19 80	19
	19	19
	19	19

That the full amount of the fee charged for the publication of said Exhibit "A" inures to the sole benefit of the publishers of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Twenty-two dollars and thirty-eight cents Dollars

Subscribed and sworn to before me this 16th day of

May 19 80

E. P. Rogers

Notary Public in and for the County of Brookings, South Dakota.

My Commission expires

September 1985

Exhibit "A"

Legal No. 235 2x, May 9 & 16

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE

WATER

Pierre, South Dakota 57501

May 9, 1980

Notice is hereby given that Warren & Glenn Thompson whose post office address is Aurora 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; 46-6-10 thru 46-6-22, 46-6-41, 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 5.05 cubic feet of water per second of time from groundwater (one well) through the Thompson's Irrigation Project No. 1, the point of diversion of which is to be located in the SW 1/4 SE 1/4 of Section 23, Twp. 111N, Range 49W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

E 1/2 W 1/2 and E 1/2 of Section 23, T111N, R49W.

This Application 4518-3 will be considered by the Water Management Board at the Civil Defense Room Capitol Building, Pierre, SD upon the 22nd day of May, 1980 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, DWRN, Foss Building, Pierre, SD prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

Betty Westlund

Water Rights Specialist

cc: Warren & Glenn Thompson,
Aurora, SD
57002



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

N^o 4 7433

April 2

10

PIERRE,

19

RECEIVED OF Watten Thompson, ARREST SD

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) _____	175	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	175	00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH JW

Water Rights Division
605 773-3352

February 4, 1983

4518-3

Warren and Glenn Thompson
RR #1 Box 107
Aurora SD 57002

Dear Sirs:

Enclosed please find a 1982 Irrigation Questionnaire pertaining to Water Permit No. 4518-3. The questionnaire was previously mis-sent to the wrong address.

Please complete and return the data sheet for our records. If you have not kept accurate records, estimations will be satisfactory.

We apologize for the error in mailing and the delay in getting this to you. If you have any questions or need assistance in filling out the data sheet, please advise.

Sincerely,

GENNY YOUNG
Water Right Specialist

GY:ks

enclosure

Water Rights Division
605 773-3352

February 18, 1983

4578-0

Glenn Thompson
RR 1 Box 107
Aurora SD 57002

Dear Mr. Thompson:

This will acknowledge the receipt of your 1982 Irrigation Questionnaire. You inquired as to whether or not the permit could be transferred to you since you are now the sole owner of the land.

Since the permit is listed under Warren and Glen Thompson, the only change necessary would be to cross Warren's name off all the records. No transfer will be necessary.

The records have been updated. Permit No. 4518-3 is now listed under your name only. If you have any questions, please advise

Sincerely,

GENNY YOUNG
Water Rights Specialist

GY:ks

Water Rights Division - DWNR
Conversation or File Documentation

File No. 4518-3

NAME OF PERSON OR FILE: Warren and Glenn Thompson

ADDRESS: RR #1, Box 107, Aurora COUNTY Brookings

DATE: January 25, 1984 TELEPHONE _____

RE: ownership of permit how solely in Glenn Thompson's name

COMMENTS: Glenn Thompson reported on his 1983 Irrigation questionnaire

that ownership of Permit No. 4518-3 should now be listed under
his name, with Warren's name being deleted

Glenn Thompson indicated address was Box 107, Aurora, SD

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.

4/82

NAME: George McMath

114518-3

 **Department of
Water & Natural Resources**

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

February 17, 1989

Glenn Thompson
Box 107
Aurora, SD 57002

Dear Mr. Thompson:

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;

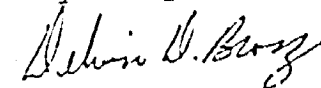


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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

August 28, 1989

4518-3

Glenn Thompson
RR #1 Box 107
Aurora, SD 57002

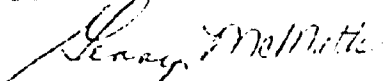
Dear Mr. Thompson:

The inspection of your water use system and the inspection of the extent of the application of water to beneficial use, as developed under your Water Permit No. 4518-3 has been completed. Your final water right document, the Water License, can now be issued.

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

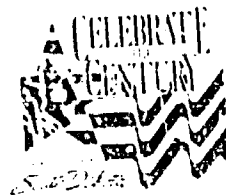
South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,



GENNY MCMATH
Natural Resources Analyst
(605) 773-3352

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



LICENSE FOR PERMIT NUMBER 4518-3

1. Legal location of wells: SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 23, T11N, R49W

dams & structures: Center Pivot in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 23, T11N, R49W

2. Well Information: Well Drilling Firm Kaiser

Completion Report Yes ☒ No ☐ No. of Wells 1 Depth 150'

Casing a) diameter _____ Screen a) type _____

b) length _____ b) length _____

c) type _____ Static Water Level 46'

Pump a) make _____ Motor a) make _____

b) model _____ b) model No. _____

c) size _____ c) horsepower rating _____

d) capacity _____ gpm

e) turbine pump - no. of stages _____

f) operating PSI _____

3. Distribution lines or canals

a) size 10"

b) type PVC - Underground

c) length See Map

(Other information on
Examination of Works
report)

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:

10-85

Date 12/2/88

Permit No. 4518-3BIG SIOUX RIVER Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DWRN, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by GLENN THOMPSON of AURORA, SOUTH DAKOTA holder of Permit No. 4518-3, bearing the priority of MARCH 24, 1980 authorizing the diversion of 5.05 cu. ft. per second of the waters of GROUNWATER (ONE WELL) for IRRIGATION purposes, in BRADDOCK County.

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

A. Works used to divert the water:

- A 160' DEEP WELL WITH 126' OF 14" DIAMETER STEEL CASING + 22' OF 14" JOHNSON SS SCREEN
 A VALLEY PUMP; CODE-J-80; HEAD-132; 1250 GPM CAPACITY; 1800 RPM; SERIAL # 12ALEIA
 A 75 HP G.E. INDUCTION MOTOR; MODEL-5K62552M5028; FL RPM-17LS; TYPE-K; SERIAL # BPT215319

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

2200' OF 10" UNDERGROUND PVC PIPE TO PIVOT

CA 75 HP BOOSTER PUMP BY PIVOT

C. Works used to apply water to beneficial use:

A 12 TOWER VALLEY CENTER PIVOT WITH A NELSON END GUN
 HIGH PRESSURE SYSTEM (90 PSI); 1250 GPM CAPACITY

The system is in the following condition GOOD

The point of diversion is located 1530' WEST + 80' NORTH OF THE SOUTH-EAST CORNER OF SECTION 23, T11N, R49W.

The works are capable of diverting and conveying to the place of use 2.79 (1250 GPM) 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 23, T11N, R49W

NE 1/4 NW 1/4 - 2 ACRES NW 1/4 NE 1/4 - 10 ACRES NW 1/4 SE 1/4 - 40 ACRES NE 1/4 SW 1/4 - 40 ACRES

SE 1/4 NW 1/4 - 31 ACRES NE 1/4 NE 1/4 - 2 ACRES NE 1/4 SE 1/4 - 39 ACRES SE 1/4 SW 1/4 - 19 ACRES

SE 1/4 NE 1/4 - 32 ACRES SE 1/4 SE 1/4 - 18 ACRES

SW 1/4 NE 1/4 - 40 ACRES SW 1/4 SE 1/4 - 31 ACRES

comprising a total of 304 acres of land and the license should be issued for 2.79 cfsApplicable permit qualifications have been complied with / Yes NoExceptions to compliance are: Date 8-17-88

Thomas M. Brumby
 (signature)

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4518-3

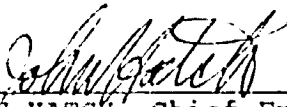
(1) Warren and Glenn Thompson of Aurora, South Dakota 57002 made Application No. 4518-3, March 24, 1980 for a water permit to appropriate 5.0 cubic feet of water per second from groundwater (one well), Brookings County, South Dakota for irrigation purposes. Permit No. 4518-3 with a priority date of March 24, 1980 was approved May 22, 1980 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before May 22, 1985 and for the application to beneficial use of said water on or before May 22, 1988.

(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 2.79 cubic feet of water per second for beneficial use. The location of the diversion point is: 1520 ft West and 80 ft North of the SE corner Section 23, T111N, R49W.

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

T111N, R49W Section 23	NE1/4 NW1/4	2 acres
	SE1/4 NW1/4	31 "
	NW1/4 NE1/4	10 "
	NE1/4 NE1/4	2 "
	SE1/4 NE1/4	32 "
	SW1/4 NE1/4	40 "
	NW1/4 SE1/4	40 "
	NE1/4 SE1/4	39 "
	SE1/4 SE1/4	18 "
	SW1/4 SE1/4	31 "
	NE1/4 SW1/4	40 "
	SE1/4 SW1/4	<u>19 acres</u>
	Total	304 acres

(4) Pursuant to Section 46-5-30.1 Glenn Thompson of Box 107, Aurora, South Dakota 57002 the holder(s) and/or owner(s) of Water Permit No. 4518-3 is issued a license to appropriate water, the right to use 2.79 cubic feet of water per second from groundwater (one well) with a priority date of March 24, 1980 from the location specified in (2) of this license. The water is 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 Permit No. 4518-3 and subject to South Dakota State Law.


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

SEP 14 1989

RECEIPT

411894

Division of Water Rights

South Dakota Department of Water and Natural Resources

4 Pierre, September 1, 1939

RECEIVED OF Glenn Thompson, Box 107, Aurora, SD 57002-0107

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>4510-3</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

Chief Engineer

**South Dakota Department of
Water & Natural Resources**

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

4518-3

SEP 14 1989

Glenn Thompson
Box 107
Aurora, SD 57002

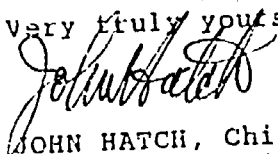
Dear Mr. Thompson:

Enclosed is Water License No. 4518-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 411894 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 4518-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Very truly yours,

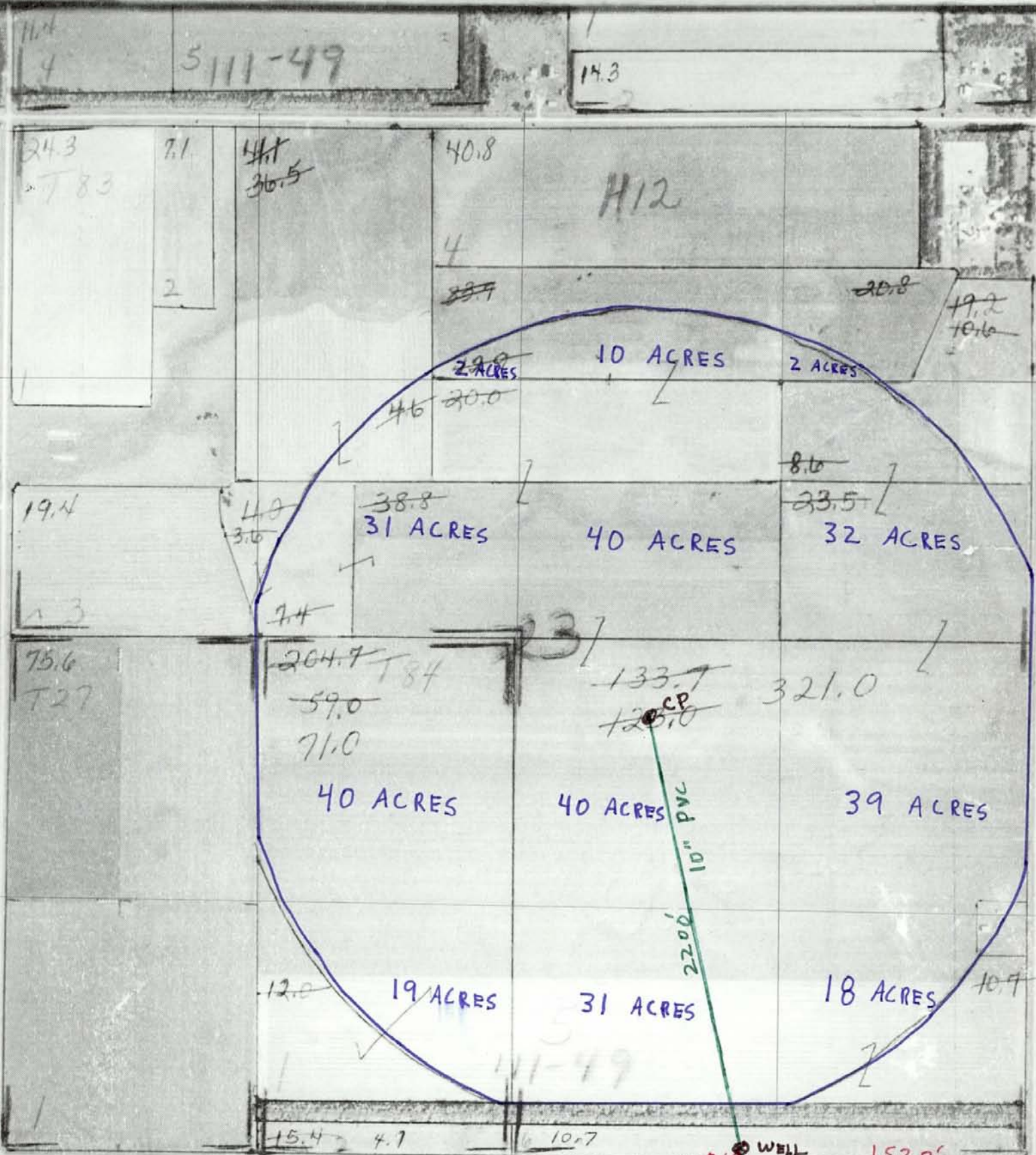


JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures

W. Right 4518-3

NOT TO SCALE



Thomas M. Brandon
8-17-88

NOT TO SCALE

APP 4518-3

COOP BUREAU

114

111-49

71

14.3

24.3

71

411

40.8

Thompson Irrigation Project
Warren + Glenn Thompson
Aurora S. Dak.

19.2

Area Irrigated - E² of ²⁰⁰Sec 23-111-49
E² of NW⁹ of Sec 23-111-49
E² of SW⁴ of Sec 23-111-49

194

28.5

Water claimed 24.7 C.F.S.

75.6

204.7

23

Note: E² of SW owned
by: Rodney Murfield
Rt 2 Brookings

3-14-80

John L. [unclear]

111-49

Well 1300'
N 89° W

NOT TO SCALE

114

111-49

71

44.3

24.3

71

411

40.8

Thompson Irrigation Project
Warren + Glenn Thompson
Aurora S. Dak.

19.2

Area Irrigated - E² of Sec 23-111-49
E² of NW⁹ of Sec 23-111-49
E² of SW⁹ of Sec 23-111-49

194

Water claimed 24.5 D.C.F.S.

41.5

23

15.6

204.7

Note: E² of SW⁹ owned by
Rodney Marfield
R+L
Brookings

3-14-80

John L. Williams

111-49

Well 1300
N 89° W