

Water Right Number 4416-3

1. Considered MAY 24, 1979
2. Name of Applicant DUANE L. THOMPSON
3. Post Office Address ARLINGTON, S.D. 36-110-19
4. Amount of water claimed 2.1
5. Source of water supply 2 - 55' WELLS
6. Water to be used for IRRIGATION
Acres to be irrigated 156
7. Water to be diverted and used in BROOKINGS County
about 2 1/2 Miles SOUTH of BUSHNELL
8. Proof of Publication
Received May 25 1979
Not received _____
9. Application
Approved _____
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:

06/01/79 1677 J
10/01/79

No. 4416-3
 Map No. 3606-3 Water Division No. 3 BIG SIOUX RIVER (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 Duane L. Thompson
 Postoffice address Arlington State Nebraska
 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 Duane L. Thompson Irrigation Project #2
4. Amount of water claimed (cubic feet per second) 2.1
5. Source of water supply 2 nearly identical wells
6. Location of point of diversion Well #1 - 2900' N 62° E of SW corner well #2
2600' N 73° E of SW corner both of sec 36-110-49
 County Brackney
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 156

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.
NW 1/4 Sec 36-110-49	39		
NE 1/4 " " " " "	40		
SW 1/4 " " " " "	38		
SE 1/4 " " " " "	39		

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 newspaper for Notice of Intent to Appropriate Water publication Brackney Register
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source. 2 nearly identical wellsB. Works proposed to transport water to place of use Barred closed conduitC. Works proposed to apply water to beneficial use. Center pivot irrigation machineEstimated Total Cost \$6,000

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 BrackneyI, Duane L. 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 Duane L. ThompsonSubscribed and sworn to before me this 7 day of March 1979
John S. Lawrence
 Notary Public for other qualified officers

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 4416-3
DUANE L. THOMPSON ARLINGTON
 (Applicant) (Post Office Address)
NEBRASKA 68002. With the following modification:
 (State)

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 MARCH 9 19 79
 Date of return to applicant for correction, amendments or changes required _____ 19 _____
 Date of receipt of corrected application WA MAY 4 19 79
 Approved MAY 25 19 79 Recorded in Book 20 Page 343

WATER RIGHT PERMIT NO. 4416-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 4416-3 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 MARCH 9 19 79
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 24 19 81
3. The whole of said work is to be completed on or before MAY 24 19 84
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 24 19 87
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 2.1 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 24 19 87; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 7th day of JUNE 19 79

WATER RESOURCES COMMISSION

By

John K. Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 _____

Water License Issued _____ 19 _____

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 34", Depth 55'
- (2) Casing, Type PVC (wood, concrete, steel, etc) Diameter 16" Thickness 3/8"
- (3) Perforated Screen.
Type Johnson slit, Diameter 16", Length 15'
- (4) Gravel Pack, Thickness 4", Length of gravel pack Entire length

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 see attached log

Depth to top of water bearing material 14'

Depth to bottom of water bearing material 55'

Thickness of water bearing material 41'

Depth to water (ground surface to water level) 14'

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

On same owner's property 14 Supply rds. On property owned by others 50 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.

Diana J. Thompson

Signature of Applicant

CHRYSLER DRILLING CO.

DRILLING LOG

924 South Melrose
Sioux Falls, S.D. 57106
Phone 605-332-6974

Name Duane Thompson Date 3-7-79

Address _____
County Brookings Sec. 36 Twp. 110 N Range 49 W
SW 1/4 200 yds. N. of S.E. corner

NO. FT.	DIA.	RATE	CASING	TOTAL
<u>60'</u>	<u>4 3/4"</u>	<u>\$3.00</u>	<u>—</u>	<u>\$180.00</u>

BALANCE DUE: _____

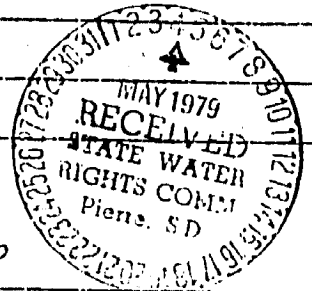
0 ft. to 2 ft. Topsoil _____ ft. to _____ ft.
2 ft. to 5 ft. Brown clay _____ ft. to _____ ft.
5 ft. to 14 ft. Grey sand _____ ft. to _____ ft.
14 ft. to 55 ft. Good Medium to coarse Red sand + gravel _____ ft. to _____ ft.
55 ft. to 60 ft. Blue clay _____ ft. to _____ ft.
 _____ ft. to _____ ft. _____ ft. to _____ ft.
 _____ ft. to _____ ft. _____ ft. to _____ ft.
 _____ ft. to _____ ft. _____ ft. to _____ ft.
 _____ ft. to _____ ft. _____ ft. to _____ ft.
 _____ ft. to _____ ft. _____ ft. to _____ ft.

STATIC WATER LEVEL 14 ft. Sandy M. Wood
DRILLER

REMARKS: 41' of good material - suggest 15'
of #100" s/ot screen

ON
ON
1 61

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 Duane Thompson
ADDRESS Arlington, Neb.
COUNTY Land in Brookings Co.

LEGAL DESCRIPTION

1. WELL LOCATION SE ¹/₄ of SW ¹/₄ of Sec 36 -110-49
2. LOCATION OF AREA TO BE IRRIGATED SW ¹/₄ Sec 36 -110-49

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT — GUN _____
4. CROPS TO BE IRRIGATED Corn & alfalfa

WATER QUALITY

5. SAMPLE NUMBER 79-081
6. SALINITY (EC X 10⁶) 1392
7. SODIUM (SAR) adj. 1.30
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 _____ 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.

Duane L. Thompson
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
2 DAY OF March 1979.

John S. [Signature]
(TITLE OR SEAL)

Keith T. Harner
APPROVED/_____
~~123456789~~

(SOILS INFORMATION ON REVERSE SIDE)

SW^A Sec 26
110-49

NARRATIVE

It is all Fm + F₀ - Fordville



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT James Thompson, Arlington, Nebraska

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 pouring water.
4. ☐ Yes ☐ No Subsurface drainage suggested on
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 center pivot

GENERAL COMMENTS:

Copy to applicant
Copy to Water Rights
Copy on File

REPORT OF ANALYSIS
 Water Quality Laboratory
 Water Resources Research Institute
 South Dakota State University
 Brookings, South Dakota 57007

Submitted by: Duane Thompson
 Address: Orlinton, NB 68002

Date Rec'd: March 7th 1979
 Sample No. 79-081
 Identification Well-
SWA, Sec. 36, T 110N, R 49W

WATER ANALYSIS

Calcium (Ca)	150	ppm*	7.50	me/l**
Magnesium (Mg) +	67	ppm	5.49	me/l
Sodium (Na)	26	ppm	1.13	me/l
Potassium (K)	4	ppm	0.10	me/l
Sulfate (SO ₄)	82	ppm	1.71	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	75	ppm	2.10	me/l
Bicarbonate (HCO ₃)	586	ppm	9.60	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)	480	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1392	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.45	Adjusted SAR	1.30	
Sodium	7.95	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.38			

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 14.22 me/l
 Total anions 13.41 me/l

By: Shirley Pittan

Service Performed	Amount Due
Irrigation analysis	\$ 15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 79-081

Amount Enclosed \$

Signed

Affidavit of Publication

State of South Dakota

55

County of Brookings

Dennis D. Koenders 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. 207

55 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

Two

of this affidavit, was published in said newspaper for

successive weeks, to-wit:

May 10, 1979

May 17, 1979

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 dollars and eighteen cents

Dollars

Subscribed and sworn to before me this 17th day of

May, 1979

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

My Commission expires

Exhibit "A"

Legal No. 207, May 10, 17, 1979

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE
WATER

Pierre, South Dakota 57501
May 4, 1979

Notice is hereby given that Duane L. Thompson, whose post office address is Arlington, South Dakota, has made an application in accordance with the provisions of SDCL 45-1-1 thru 45-1-14; 45-2-1 thru 45-2-11, 45-2-13; 45-5-1 thru 45-5-8; 45-5-10 thru 45-5-22, 45-5-41; 45-6-3, 45-6-3.1, 45-6-5, 45-6-8.1, 45-6-10, 45-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.1 cubic feet of water per second of time from ground water (two wells) through the Thompson Irrigation Project No. 2, the point(s) of diversion of which (are) to be located in the NE 1/4 SW 1/4 and SE 1/4 SW 1/4 of section 36, Twp. 110N, Range 49W. Said water to be used for the purpose of providing irrigation on portions of the following described land: SW 1/4, Section 36 - T110N - R49W.

This Application No. 4416-3 will be considered by the Water Rights Commission at Howard Johnson's Motel, 2211 Lacrosse, Rapid City, SD 57701 upon the 24th day of May 1979 at 10 A.M. The Commission 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 Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-38 may notify the Commission 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 Commission may be appealed to the Courts as provided by law.

WATER RIGHTS COMMISSION

BETTY WESTLUND
Water Rights Specialist

Duane L. Thompson
Arlington, NE 68002

FORM 6 - Notice of Intent to Appropriate
Water
GROUNDWATER

Revised
May 25, 1979

No. 4416-3

Publish first publication, on or before May 11, 1979

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

May 4, 1979

Notice is hereby given that Duane L. Thompson whose post office address is Arlington, 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 Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.1 cubic feet of water per second of time from ground water (two wells) through the Thompson Irrigation Project #2 the point(s) of diversion of which ~~is~~(are) to be located in the NE1/4, SW1/4 and SW1/4

of Section 36, Twp. 110N, Range 49W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW1/4, Section 36- T110N - R49W

This Application No. 4416-3 will be considered by the Water Rights Commission at Howard Johnson's Motel 2211 Lacrosse, Rapid City, SD 57701 upon the 24th day of May 1979

at 10 A.M. The Commission 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 Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission 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 Commission may be appealed to the Courts as provided by law.

WATER RIGHTS COMMISSION

BETTY WESTLUND

Water Rights Specialist

cc: Duane L. Thompson
Arlington, ND 58002

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6848

PIERRE, March 9, 1979

RECEIVED OF Duane Thompson, Arlington NB

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

Fee for Application for Permit to Appropriate Water No. 1116-3 (examination, processing, recording and filing) -----	250 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	250 00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH k.j.w.



Department of Water & Natural Resources

Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-2352

No. 4416-3

4515-3

4516-3

4517-3

4707-3

April 29, 1983

North Central Ag Service
P.O. Box 26
Olivia, MN 56277

Dear Sir:

Please find enclosed a copy of our Notice of Transfer of Water Permit. This must be signed by the owner before a notary public and returned to this office with a filing fee of \$2.50 for each permit, total of \$12.50.

Upon receipt of the enclosed forms and the \$12.50 filing fee the permits will be transferred to the proper name.

Section 56 of House Bill 1001 as passed by the 1983 Legislature and effective March 8, 1983 requires Notice of any sale, grant, lease, conveyance or other transfer of a permit or Water Right to appropriate water to be filed with this office within ninety days.

Please advise this office if you have any questions.

Sincerely,

Genny Young
Water Rights Specialist

GY:ms
Enc.

4707-3
4517-3
4516-3
4515-3
4416-3

June 22, 1983

North Central Ag Service
P.O. Box 26
Ollivier, Minnesota 56277

ATTENTION: Rick Hauge

Dear Mr. Hauge:

Enclosed are transfer forms for transferring Water Permit Nos. 4707-3, 4517-3, 4516-3, 4515-3 and 4416-3 to North Central Ag Service. These forms were sent to you in April, 1983, but in a phone conversation June 21, 1983, you indicated you had not received them.

Please check over the transfer forms, sign, date and have them notarized before returning them to this office with a \$2.50 filing fee for each one (total of \$12.50). Upon receipt of the transfer forms and \$12.50 in filing fees, the permits will be transferred to North Central Ag Service.

Section 66 of House Bill 1001 as passed by the 1983 Legislature and effective March 8, 1983 requires Notice of any sale, grant, lease, conveyance or other transfer of a permit or Water Right to appropriate water to be filed with this office within ninety days.

Please advise this office if you have any questions.

Sincerely,

Genny McMath
Water Rights Specialist

GM:ms
Enc.

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 9292

PIERRE, July 15, 1983

RECEIVED OF North Central Ag Service Inc., PO Box 26, Olivia, MN 56277

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 TRANSEER OF WR# 4416-3	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/ms

NO. 4416-3

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: July 12, 1983

This is to notify you that the title to the lands described as follows:

156 Acres - SW 1/4 Section 36, T110N, R49W

formerly owned by Duane L. Thompson

has been transferred to North Central Ag Service, PO Box 26, Olivia, MN 56277

(please include complete mailing address)

together with any rights to the beneficial use of water thereon as evidenced by

Water Right Permit No. 4416-3 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Office of Water Rights, Water Management Board as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is hereto attached to cover filing fees as required under SDCL 46-2-13.

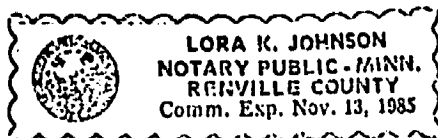
MINNESOTA
STATE OF ~~SOUTH DAKOTA~~)
County of Renville) ss.

I, Rick Hauge being first duly sworn on my oath despose and say:
That my relation to the above described undertaking is that of **, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

** farm manager for Washington County Bank:

North Central Ag Service by Rick Hauge
(Signed) Farm Manager

Subscribed and sworn to before me this 12th day of July, 1983.



Lora K. Johnson
(Notary Public)



WNR-820-7/79

Notice of Transfer of Water Permit

**Department of
Water & Natural Resources**

Joe Fries Building
824 East Capitol
Pierre, South Dakota 57501

Water Rights Division
(605) 773-3352

~~4416-3~~
~~4515-3~~
4516-3
4517-3
4707-3

July 25, 1983

North Central Ag Service, Inc.
P.O. Box 26
Ollivia, Minnesota 56277

Dear Sir:

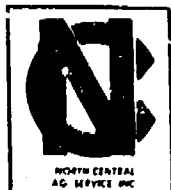
Enclosed are receipt Nos. 4-9292, 4-9293, 4-9294, 4-9295, and 4-9296
in the amount of \$2.50 each which you paid for transfer of Water Right
Nos. 4416-3, 4515-3, 4516-3, 4517-3 and 4707-3.

Our records now show you as the owner of these Water Rights.

Sincerely,

Genny McMath
Water Rights Specialist

GH:ms
Enc.5



REALTORS[®]

**NORTH CENTRAL
AGRICULTURAL SERVICE, INC.**

P.O. Box 26 • 815 E. DePue • Olivia, Minnesota 56277 • (612) 523-1951

4416-3

December 26, 1984

Mr. John Hatch, Chief Engineer
Water Rights Division
Joe Foss Building
523 East Capital
Pierre, SD 57501



Dear Mr. Hatch:

Enclosed you will find the 1984 Irrigation Water Use Questionnaires that are currently registered in our name. My apologies for the delay, however, I was waiting for a water lab report on permit no. 4416-3 which you will find enclosed along with a W-1 form entitled, "Soil/Water Compatibility Permit Application Form". It is my understanding that is the form that is used for new wells, as well as change of well location in the same field. I have enclosed a copy of the lab report, as well as the driller's report. If you should have any questions or concerns, please feel free to contact me.

Sincerely,

Leon Carlson
Leon Carlson
Farm Manager

LC/lkj

Enclosures



SALES • EXCHANGES • MANAGEMENT

Members of the Farm and Land Institute of National Association of Realtors, and
The American Society of Farm Managers and Rural Appraisers



Kaiser Well Drilling
Smet, South Dakota 57231

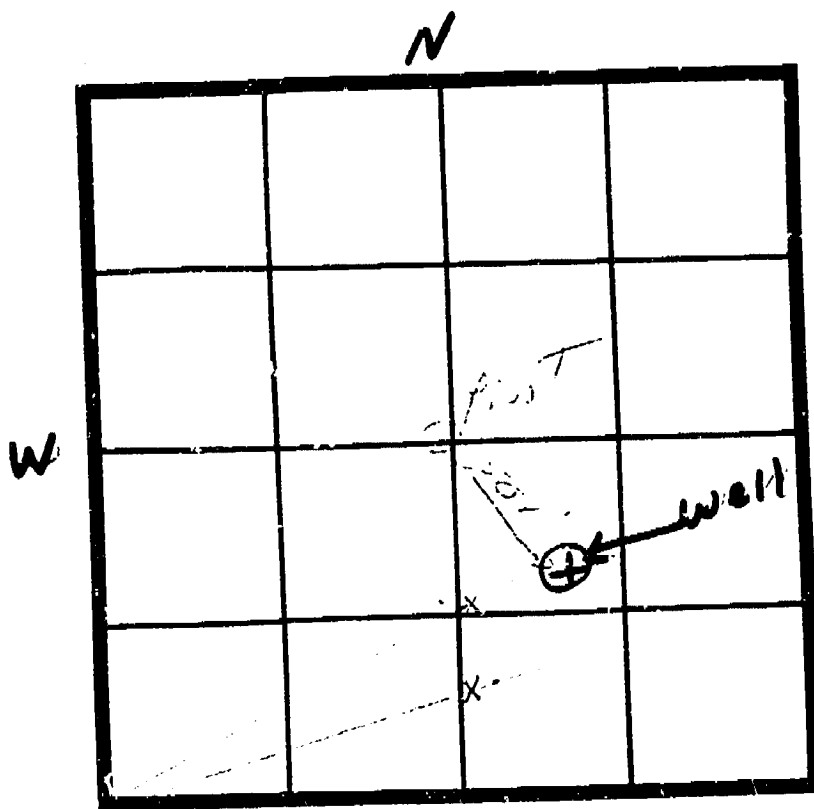
LOCATION-TESTING-DRILLED-STOCK AND DOMESTIC BORED WELLS Ph. 854-3744

Name Paul S. H. H.

Location Aurora

Township 110-49

Section 36 SW 1/4



Test hole No. 1

Date

Top soil

0-3'

gravel

3'-30'

good water

Blue clay

30-98'

gravel

98-120'

yellow clay

120-130'

Test hole No. 2

Date

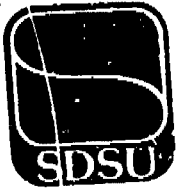
Driller used a

20 ft. - 150 slot

screen ^{5 ft. x 1/2 in. slot} _{3 ft. x 1/2 in. slot}

well flows

Pumped @ 90'



SOUTH DAKOTA STATE UNIVERSITY
Brookings, South Dakota 57007

Water Resources Research Institute
Telephone 605-688-4910

December 7, 1984

Leon Carlson
c/o Farmer's Implement & Irrigation
3023 Hwy. 14 By-Pass
Brookings, SD 57006

Dear Mr. Carlson:

Enclosed is a copy of the analysis of your water sample (Lab #84-0620) taken from a well in the SW 1/4 Sec. 36 T110N R49W about 4 weeks ago. We apologize for the delay in the analysis. Our atomic absorption analyzer has been off-line for over a week.

Also, enclosed is a copy of AES 13 for you to keep. I have plotted your approximate water quality on the outside back cover. Your water as considered for irrigation use is classified as a "high salinity, low sodium hazard".

For more soils with good internal drainage, this water should really pose no threat to any long-term injury to the soil. There should not be any periodic high water table present, however.

I am forwarding a copy of this analysis and letter to the Division of Conservation in Pierre. When they receive your completed WI-1 form and soils information from the area you are presently irrigating, they will take final action on your application.

If you have further questions please call us.

Sincerely,

John H. Bischoff
Water Quality Lab

JHB:ckb
Enclosures
cc: Division of Conservation



REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
North Dakota State University
Brookings, South Dakota 57907

Brookings

Name:	Carlson, Leon	Date Rec'd:	Nov 05, 1984
Address:	c/o Farmer's Irrig	Sample No.	84-0020
	3023 Hwy 14, West	Source:	WELL--
	Brookings, SD 57907	Local ID:	110W49J36c

WATER ANALYSIS

Calcium (Ca)	154	mg/l*	2.12	me/l**
Magnesium (Mg)	59	mg/l	4.11	me/l
Sodium (Na)	32	mg/l	1.32	me/l
Potassium (K)	11	mg/l	3.28	me/l
Sulfate (SO4)	207	mg/l	6.18	me/l
Nitrate (as N)		mg/l		me/l
Chloride (Cl)	18	mg/l	0.51	me/l
Bicarbonate (HCO3)	415	mg/l	6.80	me/l
Carbonate (CO3)	0	mg/l	0.00	me/l
Iron (Fe)		mg/l		me/l
Fluoride (F)		mg/l		
Manganese (Mn)		mg/l		
Boron (B)	0.22	mg/l		
Hardness (EDTA as CaCO3)		mg/l		1.2 g.***
Total Solids		mg/l	13.97	me/l
Total Cations			13.49	me/l
Total Anions				
Alkalinity (Methyl Orange)	340	mg/l (as CaCO3)		
Alkalinity (Phenolphthalein)	0	mg/l (as CaCO3)		
Electrical Conductivity	1156	micromhos per cm at 25 C		
Sodium Adsorption Ratio	0.56	Adjusted SAR	1.49	
Sodium	9.96	% of Cations		
Residual sodium carbonate	6.80	me/l		
Na	7.00			

Others:

*mg/l = milligrams per liter

**me/l = milliequivalents per liter

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

COMMENTS

by: Shirley Witten

Service performed:

Irrigation Analysis

Total Cost: \$ 29.00

Amount Received: 0.00

Balance Due: 29.00

Please check remittance to: "8020 Water Quality Lab"

Please write lab number on your check

Lab No. 84-0020

oil
pay
\$10

1267

Kaiser Well Drilling

SINCE 1910

De Smet, South Dakota 57231

PHONE: 605-854-3744

IRRIGATION-TESTING-DRILLED-STOCK AND DOMESTIC

Date 7-10-84

Customer: Washington County Bank 17 North 2nd St

Address: De Smet, SD

Phone: 216

☐ Contract ☐ Estimate

Testing at \$	per ft.	\$
Main well prices		
<u>120</u>	Drilling at \$ <u>30-</u> per ft.	\$ <u>3600-</u>
<u>101 1/2</u>	Casing at \$ <u>12-</u> per ft.	\$ <u>1827-</u>
<u>20</u>	Screen <u>170</u> \$ <u>135</u> per ft.	\$ <u>2700-</u>
<u>2</u>	Screen adapters \$ <u>80-</u> per unit	\$ <u>160-</u>
	Bottom plate	\$ <u>22-</u>
<u>5</u>	bags drilling fluids \$ <u>50</u> per bag	\$ <u>250-</u>
	Gravel pack	\$ <u>75-</u>
	Pumping and development	\$ <u>400-</u>
	Miscellaneous	\$
		\$
		\$
		\$

Sub total.....\$ 7002-

Sales tax.....\$ 200.00

Excise tax.....\$ 120.51

Total Amount.....\$ 7322.51

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Date of Acceptance: _____

Signature _____

Signature _____

8/8/84
GR 20,292.70
11-

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM
Division of Conservation

Office Use Only

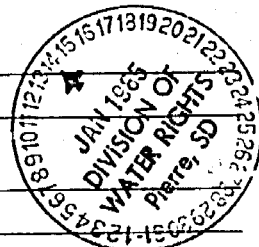
WR#

CHANGE OF WELL LOCATION - Replacement Well

OWNERS NAME: Washington County Land OWNERS ADDRESS: c/o No. Central Ag. Svc., Inc.
P. O. Box 26; Orlin, NE 68277

COUNTY LAND LOCATED IN: Brookings PHONE: (612) 523-1951

TENANT'S NAME AND ADDRESS: Same as owner



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

1. WELL LOCATION SW 1/4 of Section 36, Twp. 110N, Range 49W
Depth 130' - See enclosed documents for new well.

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: _____

Diversion Location _____

Legal Description	Acres	Legal Description	Acres
SW 1/4 36-110-49	160		

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED 1979

LEGAL DESCRIPTION: SW 1/4 of Section 36, Twp. 110N, Range 49W

IN WHAT NAME: No. Central Ag. Svc., Inc.; Box 26; Orlin, NE 68277

4. LOCATION OF AREA TO BE IRRIGATED NOTE: **SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)**

5. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: x GUN: _____ (Specify)

6. CROPS TO BE IRRIGATED: Corn - soybeans

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

7. WATER SAMPLE NUMBER: 511-620 10. ADJUSTED (SAR): 1.49

8. SALINITY (EC X 10⁶): 1150 11. PERCENT SODIUM 9.76

9. SODIUM (SAR): 0.56

I hereby certify that I personally obtained or that I personally observed that 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 1:00 a.m./p.m., on 11/13, 1984, at the following location: well location
by (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.
Don R. Johnson, Notary Public
for Washington County, South Dakota

Signature

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

21st DAY OF Dec, 1984



NOTARY PUBLIC
LORA R. JOHNSON
NOTARY PUBLIC - MINN.
RENVILLE COUNTY
Comm. Exp. Nov. 13, 1985
IMPORTANT

APPLICANT'S SIGNATURE

Director, Division of Conservation

Date 1-11-85
11
☒ 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 RIGHT must be obtained from the Board of Water Management, Foss Building, Pierre.

Conditional soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

REC. MGMT/FORM

4123

Approval

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION



NAME OF APPLICANT: North Central Ag Serv.

LEGAL DESCRIPTION: S/1/4 36-110-49 = 160 acres

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

THE SOILS(S) LISTED BELOW CAN BE IRRIGATED
WITH THE FOLLOWING RESTRICTIONS:

RECOMMENDED MANAGEMENT: Form of conservation tillage to conserve moisture
and reduce soil erosion.

We also recommend that the drainageway which transects the quarter from north
to south be maintained in grass.

Ted N. Taylor
SIGNATURE

1-11-85
DATE



Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 4416-3

March 13, 1987

Shawn O'brien
Erickson & Helsper
Box 198
Brookings, South Dakota 57006

Dear Ms. O'brien:

Please find enclosed a copy of a Notice of Transfer of Water Permit form. This form must be signed by the owner before a notary and returned to this office with a filing fee of \$2.50.

Upon receipt of the enclosed form and the \$2.50 filing fee the permit will be transferred to the proper name. 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.

Please advise if you have any questions.

Sincerely,

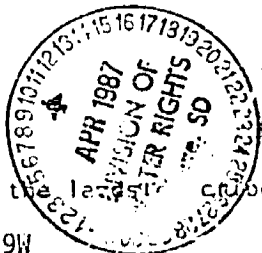
Maxine Stirling
Secretary

ms/
Enc.

NO. 4416-3

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501



Date: 4 April 1987

This is to notify you that the title to the land described as follows:

156 acres - SW 1/4 Section 36, T110N-R49W

formerly owned by North Central Ag Service

has been transferred to Danny R. Sylve and Gretchen E. Sylve, 803 Marquette Rd, De Ridder, LA
(please include complete mailing address) 70634
together with any rights to the beneficial use of water thereon as evidenced by

Water Right Permit No. 4416-3 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Div. of Water Rights, Water Management Board as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is hereto attached to cover filing fees as required under SDCL 46-2-13.

Laurens
STATE OF ~~SOUTH-DAKOTA~~)
County of Beauregard) ss.

I, Danny R. Sylve being first duly sworn on my oath despose and say:
That my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

Danny R. Sylve
Gretchen E. Sylve
(Signed)

Subscribed and sworn to before me this 4 Day of April, 1987.

Mary W. Bader
(Notary Public)

No. 4416-3

SOUTH Dakota Department of
Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501 Phone (605) 773-3352

April 30, 1987

Danny R. Syhre
803 Cherokee Road
DeRidder, Louisiana 70634

Dear Mr. Syhre:

Enclosed is receipt No. 410814 in the amount of \$ 2.50 which you
paid for transfer of Water Right No. 4416-3.

Danny R. & Gretchen I. Syhre
Our records now show ~~you~~ as the owners of this Water Right.

Sincerely,

Maxine Stirling
Secretary

ms/
Enc.
cc: Erickson & Helsper
Box 198, Brookings SD

RECEIPT

Division of Water Rights
South Dakota Department of Water and Natural Resources

410814

Pierre, April 10, 19 87

RECEIVED OF Danny R. Syhrs, 303 Cherokee Rd., De Ridder, LA 70534

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. _____		
Fee for Filing Transfer Form <u>4416-3</u>	2	50
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	2 50

By John Hatch
Chief Engineer JOHN HATCH (ms)



Department of Water & Natural Resources

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

January 29, 1988

DANNY R & GRETCHEN I SYHRE
803 CHEROKEE RD
DERIDDER, LA 70634

NOTICE

Re: Violation of Requirement To Submit 1987 Irrigation
Questionnaire

Our records indicate that the 1987 Irrigation Questionnaire has not been submitted for Permit No(s). 4416-3. The request for the Questionnaire was dated October 3, 1987. The Water Management Board has directed that owners of water permits who have not submitted 1987 Irrigation Questionnaires be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 9:00 am, March 2, 1988 in Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The hearing will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s). 4416-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing(s) is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

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

NOTE: If the questionnaire(s) is received in this office before the March 2 hearing date, your name will be deleted from the agenda for the hearing.



Department of Water & Natural Resources

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

February 5, 1988

4416-3

Danny & Gretchen Syhre
803 Cherokke Rd
Deridder LA 70634

Dear Mr. & Mrs. Syhre:

I am writing to acknowledge receipt of your 1987 Irrigation Questionnaire(s). A notice was sent to you January 29, 1988 regarding the the requirement to submit the Irrigation Questionnaire(s) for Water Permit No. 4416-3 and the hearing date before the Water Management Board.

Since your questionnaire was received prior to the March 2, 1988 Water Management Board Meeting, your name has been deleted from the Board Meeting agenda. If you have any questions, please contact us.

Very truly yours,

A handwritten signature in cursive script that reads "John Hatch".

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



Department of Water & Natural Resources

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

August 27, 1990

4416-3

Major Danny Syhre
236 Hancock
Ft Leavenworth, KS 66022

Dear Major Syhre:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 4416-3, has been completed. Your final water right document, the Water License, can now be issued.

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

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

Sincerely,

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

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.

WELL DRILLERS' REPORT
SOUTH DAKOTA WATER RIGHTS COMMISSION

Well Owner:
Name Dennis Thompson
Address Bellevue, Neb

Well Location: North ☒ South ☐ East ☐ West ☐

Mark location with an "X"

+	+
+	X

County Brookings
SE 1/4 SW 1/4 Sec. 36 Twp. 10 N. R. 49 W.

Proposed Use:
☐ Domestic ☐ Municipal ☐ Test Hole
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:
☐ Forward Rotary ☒ Bored ☐ Jetted
☐ Reverse Rotary ☐ Cable ☐ Other

Well Construction:
Diameter of Hole 8"
Depth 49'
Casing ☒ Steel ☐ Concrete
☒ Plastic ☐ Other
If other, specify _____
Was casing end left open ☒
Was a well screen installed ☒
Describe Well Screen
Diameter 1 1/2" Material Steel
Slot size 6/32"
Was well gravel packed ☒
Was well grouted ☒
Was water sample taken ☒

Remarks:

Water Level Information:
Static water level 8' 6" below ground surface
Date 7-27-80
Controlled by Hand
☐ Valve ☐ Pressure ☐ Other
If other, specify _____

Well Test Data:
☒ Pumped Turbine Pump
☐ Bailed Hand
☐ Other
Pumping Rate 28 GPM
Duration 28 min
Total Discharge 600 GPM

Well Log

From	To	Notes
0	3	Topsoil
3	6	Yellow sand
6	28	Gray sand & gravel
28	49	Gray clay

Date Completed 7-27-80

Driller: Kenisha Drilling Co.
License NO. 409
Address Box 81, Chaska, S.D.

Signature Serg M. [unclear]
Date 12-20-81

GRINCHAW DRILLING CO.

DRILLING LOG

924 South Makrose
Sioux Falls, S.D. 57103
Phone 605-332-6974

Name Duane Thompson Date 3-7-79

Address: _____

County Brookings Sec. 36 Twp. 110 N Range 49 W
SW 1/4 2 Secs. N. of SE corner

NO. FT	DIA	RATE	CASING	TOTAL
<u>100'</u>	<u>4 3/4"</u>	<u>\$3.00</u>	<u>---</u>	<u>\$180.00</u>

BALANCE DUE _____

0 ft to 2 ft Topsoil
2 ft to 5 ft Brown clay
5 ft to 14 ft Grey sand
14 ft to 55 ft Good Medium to coarse Red sand & gravel
55 ft to 13 1/2 ft Clay
ft to ft
ft to ft
ft to ft
ft to ft
ft to ft
ft to ft

STATIC WATER LEVEL 14 ft Gary M. Wolf

REMARKS 11' of good material - suggest 15'
of .100" #10 screen

Permit No. 4416-3Big Sioux River Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by DARREN SYHRE
 of FT LEAVENWORTH KS holder of
 Permit No. 4416-3, bearing the priority of MAR 9 19 79 authorizing
 the diversion of 2.1 cu. ft. per second of the waters of GROUND WATER
 for IRRIGATION purposes, in BROOKINGS County.

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

- A. Works used to divert the water: A 12" VALLEY PUMP WITH A CAPACITY OF 1100 gpm POWERED BY A 6.5 HP GE ELECTRIC MOTOR.
- B. Works used to transport water to place of use: 450' OF 6 INCH PVC PIPE
- C. Works used to apply water to beneficial use: A VALLEY CORNER SYSTEM CENTER PIVOT WITH RAINBIRD NOZZLES.

The system is in the following condition GOODThe point of diversion is located FROM THE SW CORNER OF SECTION 36-T110N-R49W 1700' FEET EAST AND 1050' FEET NORTHThe works are capable of diverting and conveying to the place of use 2.4 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 LANDS LOCATED IN SECTION 36-T110N-R49W

NW 1/4 SW 1/4 - 38 ac

NE 1/4 SW 1/4 - 38 ac

SE 1/4 SW 1/4 - 38 ac

SW 1/4 SW 1/4 - 38 ac

comprising a total of 152 acres of land and the license should be issued for 2.1 cfsApplicable permit qualifications have been complied with X Yes NoExceptions to compliance are: Date 8/15/90

Mark P. Giff
 S. E. ENGINEER

LICENSE FOR PERMIT NUMBER 4416-3

1. Legal location of wells: FROM THE SW CORNER OF SECTION 36-T110N-R49W
1700' FEET EAST AND 1050' NORTH
dams & structures: _____

2. Well Information: Well Drilling Firm GRIMSHAW

Completion Report Yes X No _____ No. of Wells 1 Depth 49'
Casing a) diameter 16" Screen a) type STAINLESS STEEL
b) length 36 b) length 13'
c) type PVC Static Water Level 6'
Pump a) make VALLEY Motor a) make GE
b) model 147119 b) model No. 5X6255XM501N
c) size 12" c) horsepower rating 6.3
d) capacity 1100 gpm
e) turbine pump - no. of stages -
f) operating PSI 75

3. Distribution lines or canals

a) size 6"
b) type PVC
c) length 450'

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) lowline:

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

d) center pivot

- 1) make VALLEY CORNER
- 2) number of towers 7
- 3) distance between towers _____
- 4) overall length 1600
- 5) end gun (Y/N) Y
- 6) high or low pressure HL
- 7) make & size of nozzles
RAINBIRD
- 8) capacity (GPM) 1100

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?
☐	<u>NA</u>	6. If yes, does equipment comply with chemigation rules?

REMARKS:

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 4416-3

(1) Duane L. Thompson of Arlington, Nebraska 68002 made Application No. 4416-3, March 9, 1979 for a water permit to appropriate 2.10 cubic feet of water per second from groundwater, Brookings County, South Dakota for irrigation purposes. Permit No. 4416-3 with a priority date of March 9, 1979 was approved May 25, 1979 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before May 24, 1984 and for the application to beneficial use of said water on or before May 24, 1987.

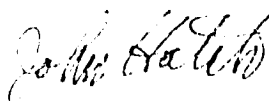
On July 15, 1983, Permit No. 4416-3 was transferred from Duane Thompson to North Central Ag Service. On April 10, 1987, it was transferred from North Central Ag Service to Danny R. and Gretchen Syhre.

(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 2.10 cubic feet of water per second for beneficial use. The location of the diversion point is: 1700'E and 1050'N of the SW corner of Section 36, T110N, R49W (SE1/4 SW1/4).

(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:

T110N, R49W Section 36 NW1/4 SW1/4	38 acres
NE1/4 SW1/4	38 "
SE1/4 SW1/4	38 "
SW1/4 SW1/4	38 "
Total	152 acres

(4) Pursuant to Section 46-5-30.1 Danny R and Gretchen Syhre of 236 Hancock, Ft. Leavenworth, KS 65027 the holder(s) and/or owner(s) of Water Permit No. 4416-3 is issued a license to appropriate water, the right to use 2.10 cubic feet of water per second from groundwater (one well) with a priority date of March 9, 1979 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. 4416-3 and subject to South Dakota State Law.

 NOV 7 1990
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Water and Natural
Resources

 **Department of
Water & Natural Resources**

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

4416-3

NOV 7 1990

Danny R. and Gretchen Syhre
236 Hancock
Ft. Leavenworth, KS 66027

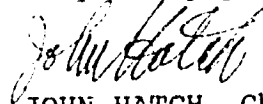
Dear Mr & Mrs. Syhre:

Enclosed is Water License No. 4416-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 412360 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. 4416-3, 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

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, _____, 19____

RECEIVED OF _____

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. _____

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

By _____
Chief Engineer

4416-3



January 9, 1998

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOTICE

TO: CHUCK FRIEDRICH, MGR, 47807 HWY 14, AURORA, SD 57002

FROM: Ron Duvall, Natural Resources Engineer
for John Hatch, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 1997 Irrigation Questionnaire(s)

Our records indicate that the 1997 Irrigation Questionnaire has not been submitted for Permit No(s) 1109-3 & 4416-3. The request for the Questionnaire was dated October 17, 1997. The Water Management Board has directed that owners of water permits who have not submitted the 1997 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at 9:45 am, February 25, 1998, in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 1109-3 & 4416-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is(are) received in this office on/or before February 20, 1998, your name will be deleted from the Board agenda. If you have any questions or need assistance with completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

cc: George Whitehead, RR 1 Box 82A, Aurora, SD 57002
Danny & Gretchen Syhre, HHD 701 MSB, Ft Riley, KS 66442

Note: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

4416-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

January 21, 1998

1109-3
4416-3

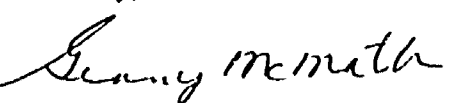
Chuck Friedrich
47807 US Hwy 14
Aurora, SD 57002

Dear Mr. Friedrich:

I am writing to acknowledge receipt of your 1997 irrigation questionnaires. You may disregard the January 9, 1998, "Notice" concerning reporting requirements for Water Permit Nos. 1109-3 and 4416-3.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

c: George Whitehead, RR 1 Box 82A, Aurora, SD 57002
Danny & Gretchen Syhre, 2534 Kildeer Ave, Denver, IA 50622



4416-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 16, 2002

NOTICE

TO: CHUCK FRIEDRICH, MGR, 47807 US HWY 14, AURORA, SD 57002

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2001 Irrigation Questionnaire(s)

Our records indicate that the 2001 Irrigation Questionnaire has not been submitted for Permit No(s) 1109-3 & 4416-3. The request for the Questionnaire was dated October 12, 2001. The Water Management Board has directed that owners of water permits who have not submitted the 2001 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at 10:00 am, March 13, 2002, in the Visitor Center (west bank of Capitol Lake), 650 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 1109-3 & 4416-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is(are) received in this office on/or before March 8, 2002, your name will be deleted from the Board agenda. If you have any questions or need assistance with completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

Note: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 28, 2002

1109-3
4416-3

Chuck Friedrich
47807 US Hwy 14
Aurora, SD 57002

Dear Mr. Friedrich:

I am writing to acknowledge receipt of your 2001 irrigation questionnaires. You may disregard the January 16, 2002, "Notice" concerning reporting requirements for Water Right Nos. 1109-3 and 4416-3.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

Duane Thompson
Irrigation Project
#2
Arlington Nebr.

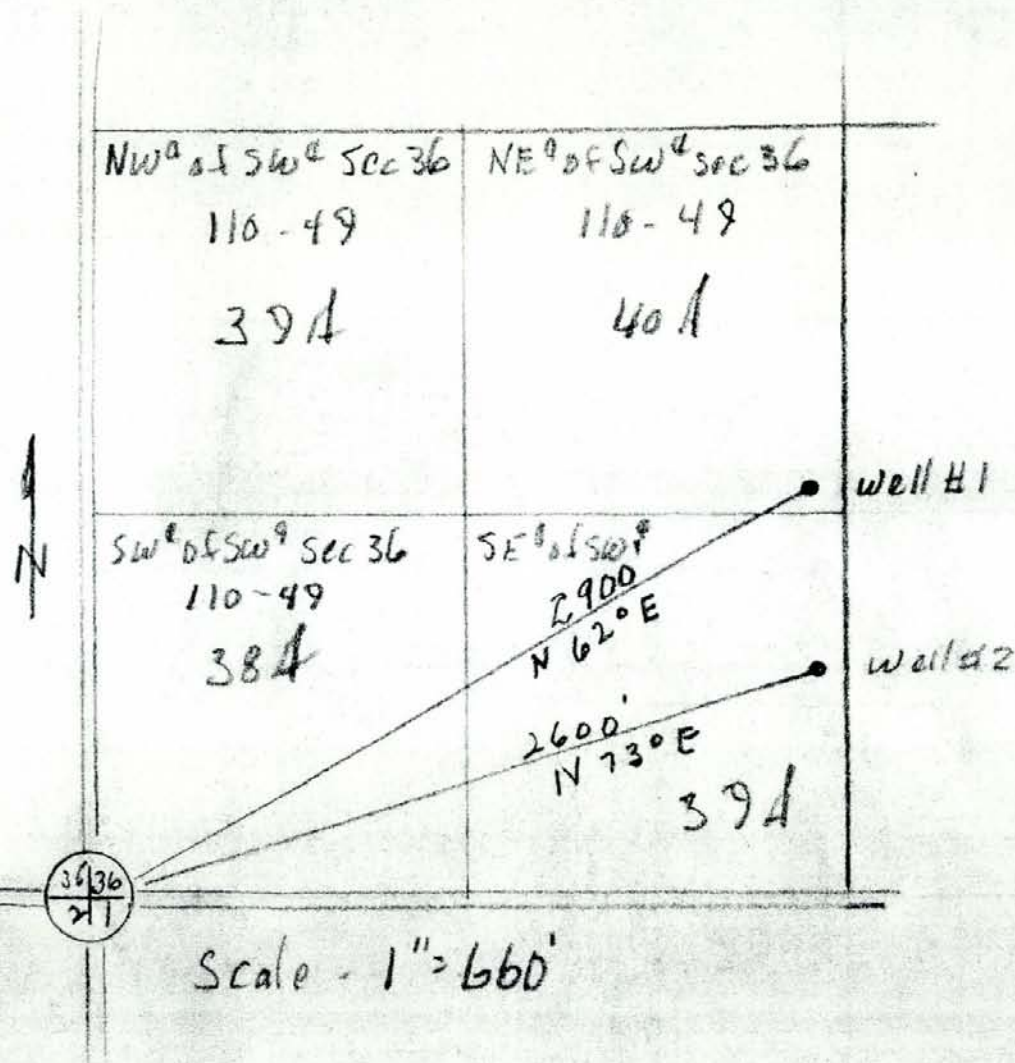
Land in Brodridge Co

Area Irrigated - SW¹/₄ of Sec 36
110-49

Water claimed - 2.1 cfs

3-7-78

Certified Correct
John W. Deanna



NOT TO SCALE

