

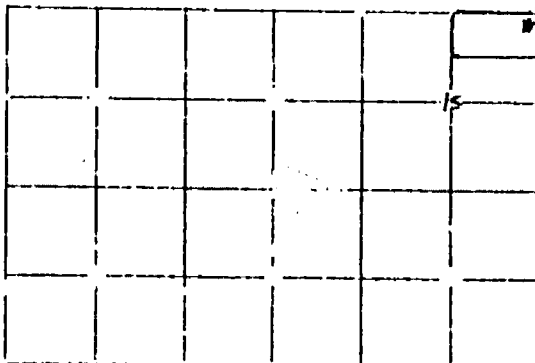
1. Considered 3-26 1980
2. Name of Applicant CURTIS L. HANSSEN
3. Post Office Address SUMMIT, S. D.
4. Amount of Water Claimed 1.14
5. Source of Water Supply DUGOUT 30' DEPTH
6. Water to be used for IRRIGATION
7. Acres to be irrigated 80 maximum
acre feet
8. Water to be diverted and used in ROBERTS County
about 2E, 1 miles NORTH of ORTLEY
9. PROOF OF PUBLICATION Received ☒ 3-11-80
Not Received _____
- APPLICATION Approved 3-27-80
Subject to DW
Not Approved _____
Action deferred _____

Priority Date
1-28-80 Received 1-28-80 Application Complete yes ☒ no _____ FEE 225⁰⁰
Remarks _____

WATER QUALITY Date information and/or
fee or corrected Application received 2-20-80 WQ
Period of Annual use APRIL - OCTOBER
Received ☒ 2/20/80 no ☒ APPROVED CONDITIONAL (Circle one)
WI-1 Description same as application ☒ X no _____ Remarks _____

Disapproved _____

Returned _____



Diversion Point is dugout in
NE⁴ NE⁴ Section 15

T. 122N - R52W

Lands to be irrigated _____

N¹/₂ NE¹ Section 15 -

T. 122N - R52W

WELL
LOG

Remarks Dugout 200' x 120'; 30' deep.
Depth to water bearing material ¹² 55 feet.
Driller Hansen's Well Works. Licensed yes ☒ no _____
Depth 30 feet ±

MAP Map No. 3691-3 Map located in Water Right X Map file _____
Type of Map Aerial Prepared by ASC.S

+++++

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 3-26-80. Dotty 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 Fina' Decision
DECISIONS was adopted _____
ETC. _____
Remarks _____

No. 446-3Map No. 3691-3 Water Division No. 3 BIG SIOUX RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Curtis L. Hanssen
 Postoffice address RR, 1 Summit, State S. Dak. 57266
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
3. Name of diversion work Hanssen Irrigation # 3
4. Amount of water claimed (cubic feet per second) 1.14
5. Source of water supply Dugout
6. Location of point of diversion 200' SW of NE corner of Sec. 15-122-52

- County Roberts
7. Annual period or periods during which water is to be used Spring, Summer, Fall APRIL - OCTOBER
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, 80 Total number of acres to be irrigated

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.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 15-122-52	40		
NW $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 15-122-52	40		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 3 years. Additional time required to complete application of water to the proposed beneficial use 5 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Sisseton Courier
12. Principal Features of the Proposed Water Supply System.

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

Use of an dugout

B. Works proposed to transport water to place of use.

Steel pipe from dugout to pivot.

C. Works proposed to apply water to beneficial use.

The use of center pivot irrigation system or side roll irrigator. Estimated Total Cost \$ 20,000.00Attachments: 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 Roberts) ss.I, Curtis L. Hanssen 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 Curtis L. HanssenSubscribed and sworn to before me this 5th day of February, 19 80

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4466-3
CURTIS L. HANSSEN RR 1, SUMMIT
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57266 With the following modifications:
 (State)

The irrigation well approved under this Permit is located near domestic 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.

Date of first receipt of application JANUARY 28, 1980
 Date of return to applicant for correction, amendments or changes required JANUARY 28, 1980
 Date of receipt of corrected application WQ FEBRUARY 20, 1980
 Approved MARCH 27, 1980, Recorded in Book 21 Page 143

WATER RIGHT PERMIT NO. 4466-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4466-3 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 JANUARY 28, 1980
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 27, 1981
3. The whole of said work is to be completed on or before MARCH 27, 1983
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 27, 1985
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 1.14 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 MARCH 27, 1985; said water to be used during the following described annual period: APRIL - OCTOBER

Witness my hand this 1ST day of APRIL, 1980

WATER RIGHTS COMMISSION

By:

John Ketch
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

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

Section 1-1-A

			Don't N

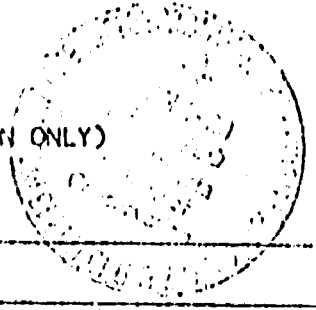
N¹/₂ of NE¹/₄ Sec 15.
12.2.52

Data

[illegible][illegible]

REGISTRATION
COMMISSION
FCP: W1 41

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 Gertis L. Hanson
ADDRESS Route 41 Summit, S. Dak.
COUNTY Roberts

LEGAL DESCRIPTION

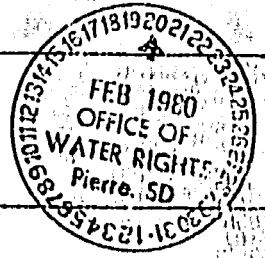
1. WELL LOCATION 200' SW of NE corner of Sec. 15-122-52 NE 1/4 of NE 1/4 of Sec. 15
2. LOCATION OF AREA TO BE IRRIGATED NE 1/4 of Sec 15-122-52 & NW 1/4 of Sec. 15-122-52

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT XX GUN _____
4. CROPS TO BE IRRIGATED Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 78 - 968
6. SALINITY (EC x 10⁶) 1
7. SODIUM (SAR) 1.7
8. RESIDUAL SODIUM CARBONATE (meq/l.) _____



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 R. L. Lutz 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.

Gertis L. Hanson
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
14 DAY OF December 19 78.

John H. Anderson, Administrative Secretary
(TITLE OR SEAL)
Roberts Conservation District

Keith L. Harner
APPROVED/INITIALS SD

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Curt Hanssen
 Address: Summit, SD 57266

Date Rec'd: October 17, 1978
 Sample No.: 78-968
 Identification: Well-55

WATER ANALYSIS

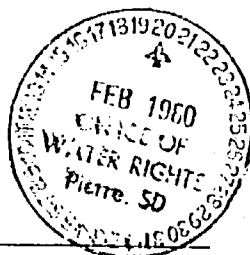
Calcium (Ca)	64	ppm*	3.20	me/l**
Magnesium (Mg)	46	ppm	3.74	me/l
Sodium (Na)	7	ppm	0.30	me/l
Potassium (K)	3	ppm	0.08	me/l
Sulfate (SO ₄)	28	ppm	0.58	me/l
Nitrate (as N)	7	ppm		me/l
Chloride (Cl)	4	ppm	0.10	me/l
Bicarbonate (HCO ₃)	300	ppm	4.92	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		me/l
Alkalinity (Methyl Orange)	246	ppm (as CaCO ₃)		g-p-g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	663	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.16	Adjusted SAR	0.38	
Sodium	4.10	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.20			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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



COMMENTS: Total cations 7.32 me/l
 Total anions 5.60 me/l

By: Shirley Mitten

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

Harb

101

Laverne Greger son
Laverne Greger son

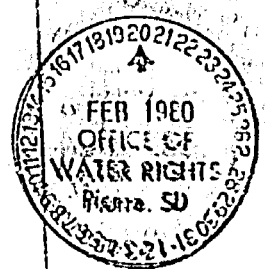
South Dakota

1572

John Greger son

1023

Dingser



12252

1167

Laverne Greger son

1107

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 _____, Depth _____
- (2) Casing, Type _____, Diameter _____, Thickness _____
(wood, concrete, steel, etc)
- (3) Screen, Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates

- (1) Surface dimensions, _____ 200' x 120' _____, Depth _____ 30' _____

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 _____ 12" _____
- Depth to bottom of water bearing material _____ 55' _____
- Depth to water (ground surface to water level) _____ 15' _____

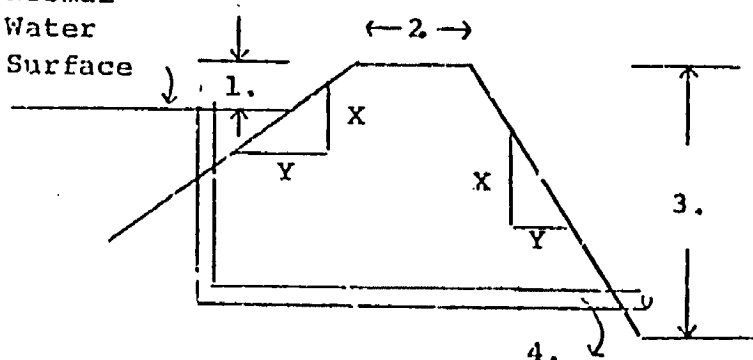
(2) Distance to nearest existing household or livestock watering well.

- On same owner's property _____ 160 _____ rds.
- On property owned by others _____ 160 _____ 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 _____

Signature of Applicant

No. 446-3

Publish first publication, on or before March 6, 1980

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 22, 1980

Notice is hereby given that Curtis L. Hanson whose post office address is Summit, 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 1.14 cubic feet of water per second of time from a dugout

through the Hanson Irrigation F3, the point(s) of diversion of which is (are) to be located in the N¹ 1/2 NE¹ 1/4

of Section 15, Twp. 122N, Range 52W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

N¹ 1/2 NE¹ 1/4, Section 15, T122N, R52W

This Application No. 446C-3 will be considered by the Water Management Board at SDEA Auditorium, 411 E Capitol, Pierre SD upon the 26th day of March, 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, DWR, Foss Building, Pierre SD, prior to the hearing date for assistance to ensure access to the hearing.**

PETTY WESLUND
Water Rights Specialist

cc: Curtis L. Hanson
RP 1
Summit SD 57266

No. 4466-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County ROBERTS) ss.

I, JACK ADAMS hereby

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

Water was taken from the SISSETON COURIER

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

CITY of SISSETON

County of ROBERTS and State of South
that the said notice was published in said newspaper on the fo
two dates:

FEB. 28, 1980

MARCH 6, 1980

(Signature)

PUBLISHER
(Title)

MARCH 8, 1980
(Date Signed)

NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER

Pierre, S.D. 57501

February 22, 1980

Notice is hereby given that
Curtis L. Hanssen, whose post
office address is Summit, South
Dakota, has made an ap-
plication 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 1.14 cubic feet of
water per second of time from a
dugout through the Hanssen
Irrigation No. 3, the point of
diversion of which is to be
located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of
Section 15, Twp. 122N, Range
52W. Said water to be used for
the purpose of providing
irrigation on portions of the
following described land:

N $\frac{1}{2}$ NE $\frac{1}{4}$, Section 15, T122N,
R52W

This Application No. 4466-3
will be considered by the Water
Management Board at SDEA

Auditorium, 411 E. Capitol.
Pierre, SD upon the 26th day of
March, 1980 at 10 a.m. The
Board is authorized to make a
determination on this ap-
plication 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
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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 han-
dicapped 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
(Feb. 28-Mar. 6-2w)



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7268

PIERRE, January 28, 1930

RECEIVED OF Curtis L. Hanssen, PR 1, Summit SD 57266

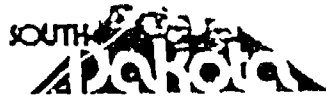
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)	225	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 filling		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	225	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH

DATE RECEIVED



Department of Water & Natural Resources

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

2662-3
4466-3
4649-3

February 17, 1989

Curtis Hanssen
RR 1, Box 103
Summit, SD 57266

Dear Mr. Hanssen:

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;

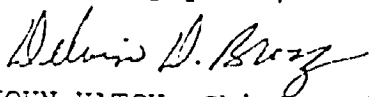


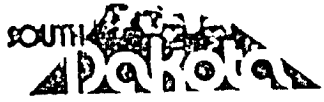
Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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

4466-3
4649-3

NOV 7 1990

Curtis Hanssen
RR #1 Box 103
Summit SD 57266

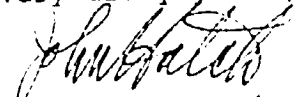
Dear Mr. Hanssen:

Enclosed is Water License No. 4649-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 412373 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-5-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 4649-3, 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

NOTE: The applicable portions of Water Permit No. 4466-3 have been incorporated into Water License No. 4649-3.

NOT TO SCALE

49 Conservation Plan Map
Roberts Conservation District
Curtis Hanssen-Owner-Operator
Roberts County South Dakota
Date Prepared: 12-14-28
8" / MI Scale 80 Acres
By: *June Helgeson* Administrative Secretary
Roberts Conservation District
Sisseton, S. D. 57262

74.0

Curtis L. Hanssen

167A

27.1

State of
South Dakota

La Verne Greyersen
owned in Day Co.

1582

John Schoemaker

1083

Henry

Dingess

122-52

40.7

La Verne
Gryerson
owned in Day Co.

36.2

116.4

167H

James A. Swanson

Copy

~~11-2369-3~~

A-4466-3

NOT TO SCALE

49.8 Conservation Plan Map
Roberts Conservation District
Curtis Hanssen-Owner-Operator
Roberts County South Dakota
Date Prepared: 12-11-78

8" / Mi Scale 80 Acres

By: *June Helgeson*
June Helgeson, Administrative Secretary
Roberts Conservation District

Sisseton, S. D. 57262

LaVerne Gregeron
Carried in Day Co.

1582

John Schoemaker

40.7

LaVerne
Gregeron
Carried in Day Co.

86.8

160.4

167H

James J. Hanson
~~Map No. 36913~~ ARPL. 4466-3

74.0

Curtis L. Hanssen

167A

27.1

State of
South Dakota

108.3

Henry

Dingsor

122-52

5.2