

102 only

X

1. Considered: 2-3, 1982 Water Right No. 4853-3
4058-3
2. Name of Applicant L. J. Dunt
3. Post Office Address PO Box 124, Gardiner, WY 82934
4. Amount of Water Claimed 2.1 maximum acre feet
5. Source of Water Supply 47' deep well
6. Water to be used for irrigation acres to be irrigated 160
7. County Lincoln about 1 1/2 N miles 2 1/2 W of Estelline
8. PROOF OF PUBLICATION: Received 2-1-82 Not Received
- APPLICATION: Approved 2-3-82 Subject to 10-1-78
- Not Approved Action Deferred

PRIORITY

Dated Received 12-6-81 Application complete yes no, FEE 250⁰⁰

Remarks needs fee, 5/10 Corn crop

Corrected Application received fee 12-21-81 Period of Annual Use

WATER
QUALITY

Received yes 1-8-82 no APPROVED CONDITIONAL (Circle one)

at-1 Description same as application-yes no Remarks

Disapproved Returned

		(1)		

Diversion Point SE 1/4 NW 1/4 17-113-51

Land to be irrigated 11/4 1/4 1/4 1/4

1/4 NE 1/4 + 1/4 NW 1/4 + 1/4 W 1/4 NW 1/4
Sec 17-113-51

WELL LOG

Driller Jim Lacer, 1st Lacer, Son Licensed - yes ✓ no

Depth 47'

Remarks

Water Right No. _____

MAP Map No. 4158-2 Map located in Water Right X Map file _____
 Type of Map Grant Certificate Prepared by W. H. Thompson

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

1/21/41

W. H. Thompson
 (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 was
 DECISIONS adopted _____
 ETC. Remarks _____

No. 4058-3Map No. 4058-3 Water Division No. 3 BIG SIOUX RIVER DistrictAbove for Office Use 10170202

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 Larry Rust Phone No. _____
 Post Office Address RR #1 Box 124 Estelline State S. Dak. Ia. 57234
 (Street, RR, or Box) (Town) (Zip Code)

If a corporation show date and place of Incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract Direct Labor3. Name of diversion work Larry Rust Irrigation Project #14. Amount of water claimed (cubic feet per second) 2.15. Source of water supply Well6. Location of point of diversion 2775' N 118° E of NW corner Section 17
(SE 1/4 NW 1/4) 113-51County Hamlin7. Annual period or periods during which water is to be used April through October8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation9. For irrigation use, Total number of acres to be irrigated 160

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.
NW 1/4 of NW 1/4 Sec 17 - 113-51	6
NE 1/4 of NW 1/4 Sec 17 - 113-51	40
SW 1/4 of NW 1/4 Sec 17 - 113-51	6
SE 1/4 of NW 1/4 Sec 17 - 113-51	48

Land Description	No. Acres Irr.
NW 1/4 of NE 1/4 Sec 17 - 113-51	34
SW 1/4 of NE 1/4 Sec 17 - 113-51	34

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 Mural Estelline

12. Principal Features of the Proposed Water Supply System.

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

well with deep well turbine

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

closed conduit

C. Works proposed to apply water to beneficial use.

center pivot irrigation machineEstimated Total Cost \$ 58,000

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 Brown) ss.I, Larry Rust 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

Larry RustSubscribed and sworn to before me this 19 day of Nov, 1981John S. S. S.

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Management Board hereby approves Water Right Application No. 4853-3

LARRY RUST

(Applicant)

RR#1, Box 124, ESTELLINE

(Post Office Address)

SOUTH DAKOTA 57234

(State)

With the following qualifications

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 DECEMBER 3, 1981
Date of return to applicant for correction, amendments or changes required DECEMBER 7, 1981
Date of receipt of corrected application JANUARY 8, 1982
Approved FEBRUARY 3, 1982, Recorded in Book _____ Page _____

WATER RIGHT PERMIT NO. 4853-3

The Water Management Board hereby grants and issues this Water Right Permit No. 4853-3 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 DECEMBER 3, 1981
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before AUGUST 3, 1984
3. The whole of said work is to be completed on or before FEBRUARY 3, 1987
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is FEBRUARY 3, 1990
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 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 FEBRUARY 3, 1990; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 19TH day of MARCH, 1982

THE WATER MANAGEMENT BOARD

By: John Hatten
Chief Engineer, Water Rights

Certificate of Construction: Jued _____, 19____

Water License Issued _____, 19____

- Irrigation Supplies
- Berkeley Pumps
- E-Z Rain Machines
- Aluminum or Plastic Pipe
- Nelson Volume Guns
- Travelling Gun Hose
- Hot Vulcanizer Hose Repair
- Gravel Packed Irrigation Wells
- Test Boring
- Westernhand Roller Pumps, Turbine Pumps
- Ground Water Heat Pumps
- Wood Stoves

ED H. LACEY & SONS
Box 796
TRENT, SOUTH DAKOTA 57065

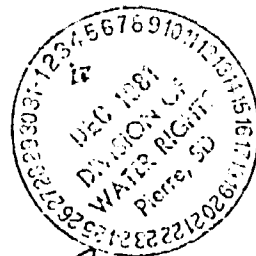
PHONE (605) 428-5686 Ed (605) 428-5979 Jim
(605) 428-5141 Mike (605) 428-5101 Ted

10-30-81

Log to Test hole - LAWRENCE
Rust RR1 Box 124, Eslewine, S.D

0-2 Topsoil
2-16 FINE SAND
16-46 COARSE GRAVEL
46-47 - BLUE CLAY

16' static water
LEVEL



Jim Lacey-Piller

D Well Information

(1) Drill Hole, Diameter 2 0'', Depth 47'
 (2) Casing, Type Steel, Diameter 1 1/2'', Thickness 3/16''
 (wood, concrete, steel, etc)
 (3) Screen, Type 5/8'', Diameter 1 1/2'', Length 10'
 (4) Gravel Pack, Thickness 4'', Length of gravel pack 2 0'

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 16'

Depth to bottom of water bearing material 47'

Depth to water (ground surface to water level) 16'

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

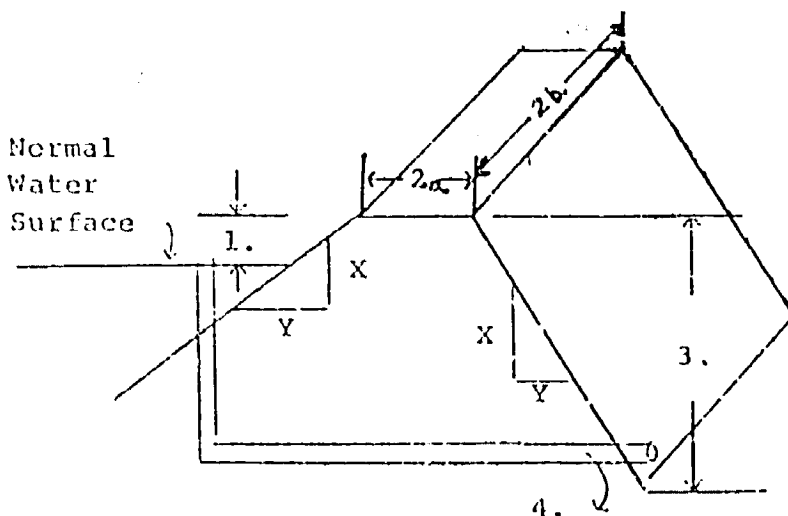
On same owner's property 1 1/2 rds.

On property owned by others 1.35 rds.



G Water Storage Dams

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



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

X Larry Rust
 Signature of Applicant

November 30, 1981



Lawrence Rust
R.R. #1, Box 124
Estelline, SD 57234

Dear Mr. Rust:

As I stated in my letter earlier this month, your water is classified as a high saline, low sodium water. It is suitable for irrigation.

The soils that you intend to develop for irrigation are compatible with the quality of your water. However, the soils found in the NE 1/4 of the NW 1/4 of Section 17-113-51 are imperfectly drained. Also, the drainageway located in the NE 1/4 of the NW 1/4 may pond under irrigation. Persistent wet spots in this area should be maintained in grass or a grass/alfalfa mixture.

If a drainage problem does occur, please contact your county extension office or this office for assistance.

The WI-1, soils information and water analysis are being forwarded to the Conservation Commission for their action.

Sincerely yours,

Michael W. Sanders
Water Quality Lab
Division of Conservation

MHS:ckb
Enclosures
cc: Division of Conservation
D. Pahl, Extension Service
Division of Water Rights

Water Quality Laboratory
 Water Resources Research Institute
 Texas A&M University
 College Station, Texas 77843



Test:
 Address:

LYLE H. HARRIS, JR. State Rep.
 District 11
 57744, 100th St. S.W.
 P.O. Box 100, 20

1991
 1-1590
 11

WATER ANALYSIS

Calcium (Ca)	216	ppm	10.78	me/l**
Magnesium (Mg)	3	ppm	1.36	me/l
Sodium (Na)	240	ppm	10.43	me/l
Potassium (K)	15	ppm	0.36	me/l
Sulfate (SO4)	982	ppm	30.75	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	117	ppm	3.56	me/l
Bicarbonate (HCO3)	68	ppm	1.12	me/l
Carbonate (CO3)	0	ppm	0.00	me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Manganese (Mn)		ppm		
Boron (B)	0.22	ppm		
Hardness (EDTA as CaCO3)		ppm		g.p.g.***
Total solids		ppm		
Total Cations			25.96	me/l
Total Anions			24.17	me/l
Alkalinity (Methyl Orange)	56	ppm(as CaCO3)		
Alkalinity (Phenolphthalein)	0	ppm(as CaCO3)		
Electrical Conductivity	2200	micromhos per cm at 25 C		
Sodium Adsorption Ratio	3.70	Adjusted SAR	2.36	
Sodium	10.20	% of Cations		
Residual sodium carbonate	0.00	me/l		
pH	7.90			

Others:
 *ppm=parts per million
 **me/l=milliequivalents per liter

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

COMMENTS

By: Shirley Witten

Service Performed:

Amount Due:

Irrigation Analysis

\$28.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment.

Sample No. 11-1390

Secure Label
 Filed

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



Name: GARDNER, BOB Date Rec'd: Nov 02 1981
Address: PO 1, Box 124 Sample No.: 1-1315
ESTABLISHED 50 57234 Identification: 47.00lv.
cc: BO LACEY 7 1981

WATER ANALYSIS

Calcium (Ca)	136	ppm*	5.79	me/l**
Magnesium (Mg)	43	ppm	3.54	me/l
Sodium (Na)	20	ppm	0.87	me/l
Potassium (K)	30	ppm	0.77	me/l
Sulfate (SO ₄)	200	ppm	4.16	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	15	ppm	0.45	me/l
Bicarbonate (HCO ₃)	405	ppm	6.64	me/l
Carbonate (CO ₃)	0	ppm	0.00	me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Manganese (Mn)		ppm		
Boron (B)	0.10	ppm		
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Total Solids		ppm	11.95	me/l
Total Cations			11.25	me/l
Total Anions				
Alkalinity (Methyl Orange)	332	ppm(as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm(as CaCO ₃)		
Electrical Conductivity	1100	micromhos per cm at 25 C		
Sodium Adsorption Ratio	0.36	Adjusted SAR	1.91	
Sodium	7.27	% of Cations		
Residual sodium carbonate	0.00	me/l		
pH	7.03			

Others:

*ppm=parts per million

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

**me/l=milliequivalents per liter

COMMENTS

By: Shirley Mittan

Service Performed:

Amount Due:

Irrigation Analysis

\$23.00

Make checks payable to: Water Quality Laboratory

Put along dotted line and return the lower portion with payment

Sample No. 1-1315

Amount enclosed \$
Signed

CONSERVATION COMMISSION

W/111
9/81

4853-3

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

STATE CONSERVATION COMMISSION

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

Office Use Only

2982

OWNERS NAME: Larry R. F. OWNERS ADDRESS: Rte 1 Box 124

Est. 1950 57531

COUNTY LAND LOCATED IN: Hot Springs PHONE: _____

TENANT'S NAME AND ADDRESS: _____

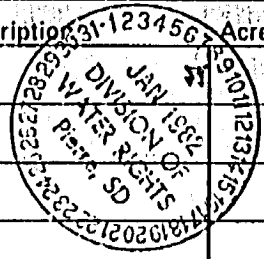
In accordance with State Law SDCL 46-5-6.5, If a water permit is granted with a conditional Soil/Water Compatibility permit, A COPY OF SUCH CONDITIONAL SOIL/WATER COMPATIBILITY PERMIT MUST BE FILED WITH THE COUNTY REGISTER OF DEEDS. THIS ACTION MUST BE TAKEN BY THE HOLDER OF A WATER PERMIT WITHIN 6 MONTHS OF RECEIPT OF SUCH WATER PERMIT.

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

1. WELL LOCATION: Section 17-11.3-51

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: _____

Legal Description	Acres	Legal Description	Acres
Section 17-11.3-51	10		
Section 17-11.3-51	80		
Section 17-11.3-51	20		



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

LEGAL DESCRIPTION: _____

IN WHAT NAME: _____

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: ☒ GUN: _____ OTHER: _____ (Specify)

6. CROPS TO BE IRRIGATED: Corn, Soybeans, Beans

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

7. WATER SAMPLE NUMBER: 81-1316

8. SALINITY (EC X 10⁶): 1.00

9. SODIUM (SAR): 0.38

10. ADJUSTED (SAR): 1.01

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 12:00 a.m./p.m., on Oct 7, 1981, at the following location: point of diversion 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.

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

30 DAY OF Nov, 1981

John J. [Signature]
(NOTARY PUBLIC)

X Larry R. F.
APPLICANT'S SIGNATURE

Frank M. [Signature]
Director, Division of Conservation

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 Board of Water Management, Foss Building, Pierre.

APPROVED

DISAPPROVED

X CONDITIONALLY APPROVED

4153-3

CONDITIONAL

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT Larry Rust

E 10 acres of W $\frac{1}{2}$ of NW $\frac{1}{4}$ 17-113-51; E $\frac{1}{2}$ NW $\frac{1}{4}$ 17-113-51 and
W 70 acres of NE $\frac{1}{4}$ 17-113-51

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

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

The soils along the drainageway in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ may pond when irrigated. If problems with ponding occur these soils should be kept in permanent vegetation such as a grass alfalfa mixture. These soils are indicated by red hatch marks.

RECOMMENDED MANAGEMENT

Hawley County

1861

Area in circle

SSS

Information

SSS

Information

SSS

Information

2-151
T113,N



No. 4853-3

Publish first publication on or before January 21, 1982

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota, 57501

January 11, 1982

Notice is hereby given that Larry Rust whose post office address is RR #1, Box 124, Estelline, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 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, 46-5-25, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.10 cubic

feet of water per second of time from groundwater
(one well) through the Larry Rust Irr.

Project #1, the point ~~(x)~~ of diversion of which is ~~(xxx)~~ to be located in the SE 1/4 NW 1/4

of Section 17, Twp. 113N, Range 51W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

W 1/2 NE 1/4; E 1/2 NW 1/4 and E 1/2 W 1/2 NW 1/4, Section 17, T113N, R51W

This Application No. 4853-3 will be considered by the Water Management Board at Meeting Room #1, Koelp Bldg., Church & Illinois, Pierre SD upon the 3rd day of February, 1982

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 Circuit Court and the State Supreme Court as provided by law.

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

For the Water Management Board

cc: applicant

BETTY WESTLUND, Water Rights Specialist

WNR-806A-10/81 Notice of Intent to Appropriate Water
GROUNDWATER

No. 4853-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hamlin) ss.

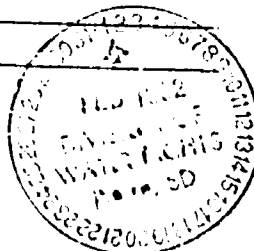
I, M. R. HANSEN hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the ESTELLINE JOURNAL

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the
Pity of Estelline
County of Hamlin and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

Jan. 21, 1982
Jan. 28, 1982
[Signature]
(Signature)
[Signature]
(Title)
1/28/82
(Date Signed)

Cost of Printing: 187.11

WNR-608-7/79
Proof of Publication



NOTICE OF HEARING ON
APPLICATION TO
APPROPRIATE WATER

Pierre, South Dakota, 57501
January 11, 1982

Notice is hereby given that Larry Rust whose post office address is RR#1, Box 124, Estelline, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-13; 46-2-9 thru 46-2-11, 46-2-12; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-25, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14 and Board Rules ARSD 52:01:01 thru 52:01:03, for a permit to appropriate for beneficial use 2.10 cubic feet of water per second of time from groundwater (one well) through the Larry Rust Irr. Project #1, the point of diversion of which is to be located in the SE 1/4 NW 1/4 of Section 17, Twp. 113N, Range 51W. Said water to be used for the purpose of providing irrigation on portions of the following described land: W 1/2 NE 1/4, E 1/2 NW 1/4 and E 1/2 W 1/2 NW 1/4, Section 17, T113N, R51W. This application No. 4853-3 will be considered by the Water Management Board at Meeting Room #1, Kneip Bldg., Church & Illinois, Pierre SD upon the 3rd day of February, 1982 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 Circuit Court and the State Supreme Court as provided by law.

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

For the Water Management Board
BETTY WESTLUND,
Water Rights Specialist

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 8604

PIERRE, December 21, 1981

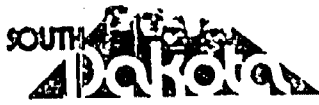
RECEIVED OF Larry Rust, RR 1, Box 124, Estelline, SD 57234

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

Fee for Application for Permit to Appropriate Water No. 4853-3 (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 / DE



**Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 4853-3

March 3, 1987

Larry Rust
RR 1, Box 124
Estelline, South Dakota 57234

Dear Mr. Rust:

The inspection of your water use system and inspection of the extent of the application of water to beneficial use, as developed under your Water Right No. 4853-3 has been completed. Your final water right document, the Water License, can now be issued.

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

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,

Maxine Stirling
Secretary

ms/

NOTE: On check or money order, please indicate the number of the water permit.
This insures proper handling of the fee.

DWNR-814 8/83

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, March 6, 1917

RECEIVED OF Larry Rust, RR 1, Box 124, Estelline, SD 57234

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. 4853-5 _____

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

50 00

By

John Hatch
Chief Engineer

JOHN HATCH

(19)

SOUTH DAKOTA
Department of
Water & Natural Resources

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

January 14, 1988

Ed Lacey & Sons Inc.
Box 796
Trent, SD 57065

Dear Mr. Lacey:

Our office is in the process of issuing a water license for an irrigation permit held by Larry Rust, Estelline, SD. In order to complete his file and before the license can be issued, a well log is needed for the following described well.

Well: 2550' east and 1300' south of the NW corner of Section 17, T113N, R51W (NE 1/4 NW 1/4).

If you still have a copy of the well log for the above well, please forward a copy of the log to our office. The water license is ready to be issued but cannot be done until this information is obtained.

Your prompt attention in this matter will be appreciated. If you have any questions, please contact me.

Sincerely,

Genny McMATH

GENNY MCMATH
Natural Resources Analyst
605 773-3352

cc: Larry Rust

PLEASE COMPLETE
ENTIRE FORM

WELL DRILLERS REPORT
Division of Water Rights
Department of Water & Natural Resources

6/60

Well Owner:

Name

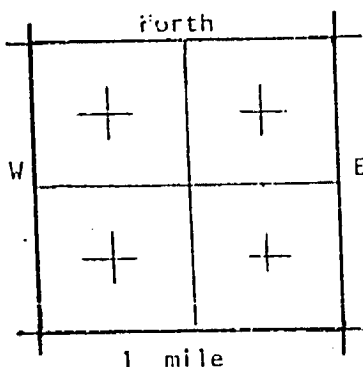
LARRY RUST

Address

RR Estelline, SD.

Well Location:

Mark location
with an "X"



County

NE 1/4 NW 1/4 Sec. 17 Twp. 113 Rg. 51

Proposed Use:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

☐ Forward Rotary ☒ Bored ☐ Jetted
☐ Reverse Rotary ☐ Cable ☐ Other

Well Construction:

Diameter of Hole 14"

Depth

Casing ☒ Steel ☐ Concrete

☐ Plastic ☐ Other

If other, specify _____

Was casing end left open No

Was a well screen installed Yes

Describe Well Screen

Diameter 14" Material Steel

Slot size 200

Was well gravel packed Yes

Was well grouted No

Was water sample taken Yes

Remarks:

Water Level Information:

Static water level 4' below land surface

If flowing: closed in pressure _____ PSI

rate of flow _____ GPM

Controlled by:

☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Well Test Data:

☒ Pumped

☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ " " _____ " " _____ " "

_____ " " _____ " " _____ " "

Well Log:

Formation	Depth	
	From	To
Topsoil	0	1
Thin White Sand	1	15
Clay	15	16
Coarse Gravel	16	26
Thin Gravel	26	30
Dark Uniform Gravel	30	41

(Use Back if Necessary)

Date Completed:

4-17-83

Driller:

Larry Rust Drilling

Driller's or Firm's Name License NO. 111

Box 704 Tied. SD. 5706

Address

John R. Rust

Signed By

5-22-83

Date

Permit No. 4853-3

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 Larry Rust of RR #1, Box 124, Estelline, SD 57734 holder of Permit No. 4853-3, bearing the priority of Dec. 3 1981 authorizing the diversion of 2.1 cu. ft. per second of the waters of Groundwater for irrigation purposes, in Hamlin County.

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

A. Works used to divert the water:

Pump: Western Landoller, 600 gpm capacity
 Motor: U.S. Electric, 30 HP

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

8" Al., 20 ft. long

C. Works used to apply water to beneficial use:

Pivot: Valley, 8 towers, 1300 ft. long, with a capacity of 600 cpm.

The system is in the following condition Good

The point of diversion is located Well 2550 ft. E., 1300 ft. S. from NW corner of Sec. 17, T113N-R51W

The works are capable of diverting and conveying to the place of use 1.34 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 Sec. 17, T113N-R51W

<u>NW 1/4 NW 1/4</u>	<u>1.1 Ac.</u>	<u>NW 1/4 NE 1/4</u>	<u>24.8 Ac.</u>
<u>NE 1/4 NW 1/4</u>	<u>35.0</u>	<u>SW 1/4 NE 1/4</u>	<u>25.5</u>
<u>SW 1/4 NW 1/4</u>	<u>1.1</u>		
<u>SE 1/4 NW 1/4</u>	<u>35.0</u>		

comprising a total of 122.5 acres of land and the license should be issued for 1.34 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ NoExceptions to compliance are: _____ Date 8/27/86

(signature)

M. B. Had

Larry Rust

873-2620

LICENSE FOR PERMIT NUMBER 4853-3

1. Legal location of wells: _____

dams & structures: _____

2. Well Information: Well Drilling Firm Lacey Well Drilling

No. of wells one Depth 46

Casing a) diameter _____ Screen a) type _____
b) length _____ b) length _____
c) type _____ Static Water Level _____

Pump a) make Western Land Peller-Motor a) make U.S. Electrical
b) model 8204633 b) model no. A7184-02-191
c) size _____ c) horsepower rating .50
d) capacity 600 GPM d) motor efficiency rating _____
e) turbine pump _____
no. of stages _____

3. Distribution lines:

a) size of lines 8"
b) type RL
c) length 20'

4. Dam information:

a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____

i) Outlet tubes:

1) diameter _____
2) type _____
3) valued (Y/H) _____
4) valve type _____
5) location on structure _____

h) Distribution lines or canals:

1) size _____
2) type _____
3) length _____

5. System Type: a) sideroll:

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

b) towline:

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

5. System Type: c) center pivot

- 1) make Valley
- 2) number of towers 8
- 3) distance between towers
16.5
- 4) overall length 1320
- 5) End gun (Y/N) Y
- 6) high or low pressure L
- 7) make & size of nozzle:

- 8) PSI reading while system is
running 30
- 9) GPM 600

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES

NO

Check Items

☒

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.

REMARKS:

State of South Dakota
Water License No. 4853-3

(1) Larry Rust
of RR1, Box 124, Estelline, South Dakota 57234
made Application No. 4853-3, December 3, 1981 for a water permit to appropriate
2.10 cubic feet per second of water from groundwater (one well),
Hamlin County, South Dakota for irrigation purposes.
Permit No. 4853-3, with a priority date of December 3, 1981
was approved February 3, 1982 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before February 3, 1987 and for the application to beneficial use of said
water on or before February 3, 1990.

and

applicant

(2) It is certified that the ~~applicant~~ ^{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 1.34 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is 2550 feet east and 1300 feet south from
the NW Corner of Section 17, T113N, R51W

and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, to irrigate the following land in T113N-R61W

Section 17	NW $\frac{1}{4}$ NW $\frac{1}{4}$	1.1 Acres
	NE $\frac{1}{4}$ NW $\frac{1}{4}$	35.0 Acres
	SW $\frac{1}{4}$ NW $\frac{1}{4}$	1.1 Acre
	SE $\frac{1}{4}$ NW $\frac{1}{4}$	35.0 Acres
	NW $\frac{1}{4}$ NE $\frac{1}{4}$	24.8 Acres
	SW $\frac{1}{4}$ NE $\frac{1}{4}$	25.5 Acres
	TOTAL	122.5 ACRES

(4) Pursuant to §46-5-30.1 Larry Rust

of RR 1, Box 124, Estelline, South Dakota 57234

the holder(s) and/or owner(s) of Water Permit No. 4853-3 is issued a license to appropriate water, the right to use 1.34 cubic feet per second of water from groundwater (one well) with a priority date of December 3, 1981 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation

This license is subject to any limitations or qualifications listed in Water Permit No. 4853-3 and subject to South Dakota State Law.


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

JOHN HATCH

DEC 19 1986

SOUTH DAKOTA Department of
Water & Natural Resources

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

4853-3

Larry Rust
RR 1, Box 124
Estelline, South Dakota 57234

Dear Mr. Rust::

Enclosed is Water License No. 4853-3. This is the final water right document completing your process of obtaining a Water Right.

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. 4853-3, 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



**Department of
Water & Natural Resources**

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

February 17, 1989

Larry Rust
RR 1, Box 124
Estelline, SD 57234

Dear Mr. Rust:

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;

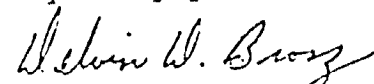


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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.

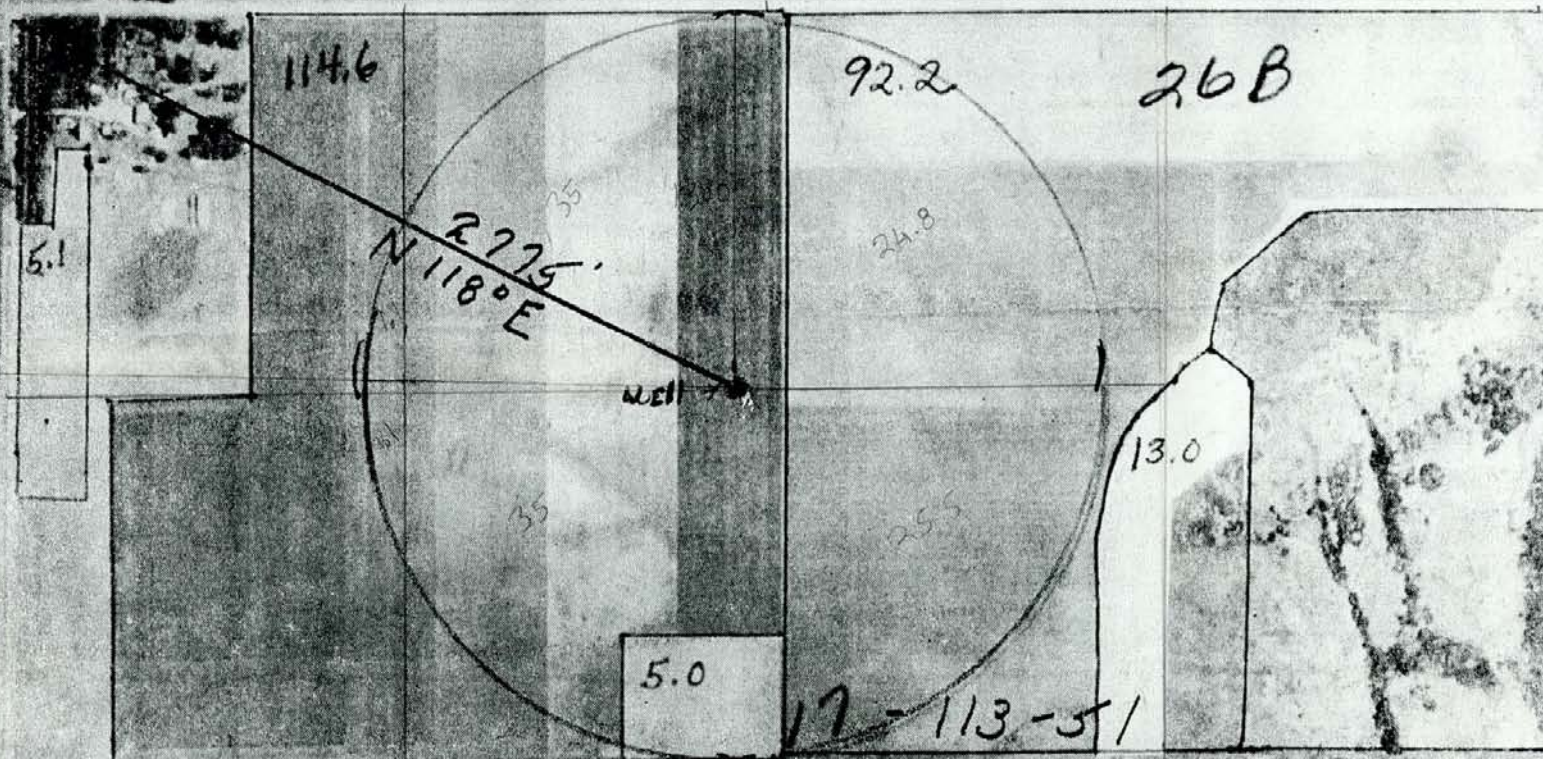
The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone 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

6m236 7C4, 7W14

NOT TO SCALE



80.6

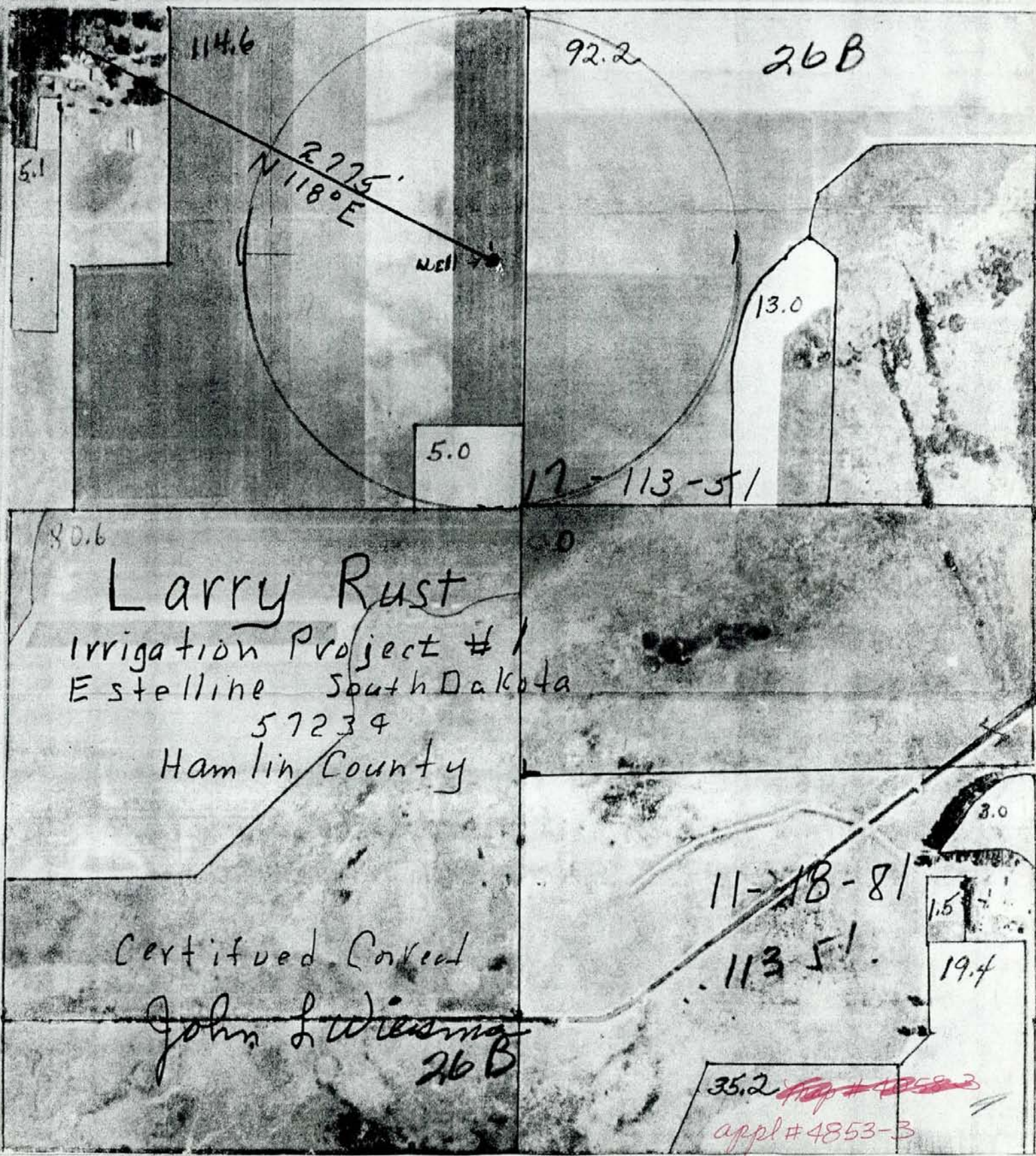
Larry Rust
Irrigation Project #1
Estelline South Dakota
57234
Hamlin County

Certified Correct
John L. Wiesner
26B

11-18-81
113-51

35.2
~~Water License #~~
appl # 4853-3

NOT TO SCALE



Larry Rust

Irrigation Project #1
Estelline South Dakota

57234

Hamlin County

Certified Correct

John L. Wiesner
26B

35.2 ~~april #4853-3~~

april #4853-3