

5.7-80

135' DEEP HULL 14' CANNON 28' 55" - 1000

1200000 Pounds Weight 11200

2000000 1176 608

900000

60 1000000 1000000

10' 10' 10' 10' 10'

1000000 1000000 1000000 1000000 1000000

TOWER 10' 10' 10'

Water Right Number 29-14-3

1. Considered 9.29, 1916
2. Name of Applicant MELVIN WALK
3. Post Office Address WAKONDA
4. Amount of water claimed 1.50
5. Source of water supply 135' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 105
7. Water to be diverted and used in CLAY County
about 13S, 2W Miles 1 of CENTERVILLE
8. Proof of Publication Received 1ST 9-24-16
Not received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:

Map No. 2276-3 Water Division No. 3 VERMILLION 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)

- Name of Applicant Melvin Walz
Postoffice address Wakonda, State South Dakota
If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) contract
- Name of diversion work NA Melvin Walz Irrigation Project #1
- Amount of water claimed (cubic feet per second) 1.5 CFS
- Source of water supply ground water
- Location of point of diversion NA 253 Yds S 109° E of NW corner of Sec 16 - 94-52
County Clay

- Annual period or periods during which water is to be used May-October
- Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
- For irrigation use, _____
Total number of acres to be irrigated 105

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 1/4 16-94-52	35		
SE 1/4 16-94-52	35		
SW 1/4 16-94-52	35		

Attach sheet if more space is needed

- Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 4 years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Plain Talk
- Principal Features of the Proposed Water Supply System.

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

well

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

well near center of pivot

C. Works proposed to apply water to beneficial use.

center pivot

Estimated Total Cost \$10-15,000

Attachments: Attach _____ in 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 CLAY

I, MELVIN WALZ, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters herein stated are true and that I intend, and am able to complete the necessary construction.

Signed Melvin Walz

Subscribed and sworn to before me this 10 day of August, 1976

Robert B. Starik
Notary Public (or other qualified officer)

ROBERT B. STARIK
Notary Public, Clay County, South Dakota
My Commission Expires May 27th, 1977

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2944-3
MELVIN WALZ WAKONDA
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57073 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 existing domestic wells.

Date of first receipt of application AUGUST 26, 1976
 Date of return to applicant for correction, amendments or changes required 1976
 Date of receipt of corrected application SEPTEMBER 7, 1976
 Approved SEPTEMBER 30, 1976, Recorded in Book 15 Page 310

WATER RIGHT PERMIT NO. 2944-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2944-3 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 AUGUST 26, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before FEBRUARY 29, 1979
3. The whole of said work is to be completed on or before SEPTEMBER 30, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is SEPTEMBER 30, 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 1.5 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 SEPTEMBER 30, 1985; said water to be used during the following described annual period: MAY - OCTOBER

Witness my hand this 2ND day of NOVEMBER, 1976

WATER RIGHTS COMMISSION

By:

John H. H. H.
 Chief Engineer, Executive Officer

Certificate of Construction Issued June 13, 1980

Water License Issued June 13, 1980

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 or Estimates

(1) Drill Hole, Diameter 17 in., Depth 135 ft.
(2) Casing, Type steel Diameter 14 in. Thickness .025
(wood, concrete, steel, etc)
(3) Perforated Screen, stainless steel Diameter 1 1/2 in. Length 25 ft.
Type _____, Diameter _____, Length _____
(4) Gravel Pack, Thickness 3 in., Length of gravel pack 135 ft.

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 0 to 75 ft. clay
75 to 80 ft. granite
80 to 135 ft. water bearing sand gravel

Depth to top of water bearing material 80 ft.
Depth to bottom of water bearing material 135 ft. plus
Thickness of water bearing material 55 ft. plus
Depth to water (ground surface to water level) 25 to 30 ft.

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

On same owner's property 30 rds. rds. On property owned by others 80 rds. rds.

G. Water Storage Dams.

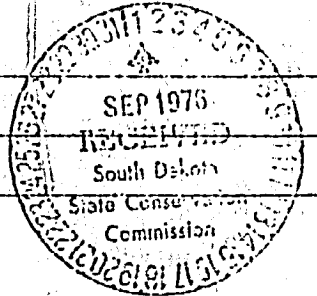
If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

M. J. W. W.
Signature of Applicant

CONSERVATION
COMMISSION
FORM W1 #1

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 Nelvin Walz
ADDRESS Wakarusa, South Dakota
COUNTY Clay



LEGAL DESCRIPTION

1. WELL LOCATION 253' NE 1/4 160' SE of NW corner of Section 16-94-52
2. LOCATION OF AREA TO BE IRRIGATED S. 1/4 NE 1/4 & NE 1/4 NW 1/4 16-94-52

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED corn, beans

WATER QUALITY

5. SAMPLE NUMBER 76-1010
6. SALINITY (EC x 10⁶) 1393 (high)
7. SODIUM (SAR) 0.28 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 101

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 Clay County 3-1 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.

Nelvin Walz
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
10 DAY OF August 19 76.

[Signature]
NOTARY PUBLIC (OR SEAL)

Notary Public, Clay County, South Dakota

My Commission Expires May 27th, 1977 (SEE INSTRUCTIONS ON REVERSE SIDE)

[Signature]
APPROVED/DISAPPROVED

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Shirley L. Lutz
 Address: Brookings, SD 57073

Date Rec'd: August 12, 1976

Sample No. 76-1010

Identification

WATER ANALYSIS

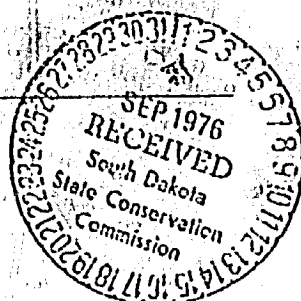
Calcium (Ca)	212	ppm*	10.60	me/l**
Magnesium (Mg)	58	ppm	2.96	me/l
Sodium (Na)	18	ppm	0.78	me/l
Potassium (K)	12	ppm	0.31	me/l
Sulfate (SO ₄)	515	ppm	10.71	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	4	ppm	0.11	me/l
Bicarbonate (HCO ₃)	400	ppm	6.56	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	328	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1393	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.28			
Sodium	4.74	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.24			
Others:				

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 16.45 me/l
 Total anions 17.38 me/l



By: Shirley L. Lutz

Service Performed	Amount Due
Irrigation analysis	\$8.00 PAID
Make checks payable to: Water Quality Laboratory	
Cut along dotted line and return the lower portion with payment	
Sample No. <u>76-1010</u>	Amount Enclosed \$
	Signed

Permit No. 29944-3

Water Diversion No. 3 Vermillion River Water District

*See also
4731-3
add'l acreage*

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Melvin Walz

the holder of
Permit No. 2904-3, issued upon Application No. 2944-3, bearing date of priority of August 26, 1976

authorizing the diversion of 1.5 cu. ft. per second of the waters of
groundwater (one well) County of Clay, State of South Dakota at
in the center of the NE 1/4, Sect. 20 16, T94N, R52W

for Irrigation

purpose, has 8 complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 2.0 cu. ft. per second of water.

Date June 13, 1980

John Hatch
JOHN HATCH, Chief Engineer
Water Rights, WND

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2944-3

(1) WHEREAS, On the 26th day of August A. D. 19 75
Melvin Walz

made Water Right Application No. 2944-3 for a permit to use 1.5 cubic feet per second of the waters
of groundwater (one well)
County of Clay State of South Dakota, for irrigation

purposes; and
(2) WHEREAS, On the 30th day of September A. D. 19 76
Permit No. 2944-3 with a date of priority of August 26, 1976

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 30th day of September A. D. 19 81 and for the
application to beneficial use of said water on or before the 30th day of September A. D. 19 85

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 1.5 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent,

for irrigating the following lands in

Section 16, T94N, R52W

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 35 acres

SW $\frac{1}{4}$ NE $\frac{1}{4}$ 35 "

SF $\frac{1}{4}$ NE $\frac{1}{4}$ 35 "

TOTAL 105 "

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Malvin Walz

of Hakonda SD

the holder _____ and owner _____ of said permit No. 2944-3 a water right, dating from August 26, 1978

to use of 1.5 cubic feet per second of the waters of groundwater (on a well)

in the County of Clay and State of South Dakota, or so much thereof as may be necessary for the purposes hereinbelow mentioned, to be diverted at in the center of the NE 1/4, Section 16, T94N, R52W

and conducted to and upon portions of land in Section 16, T 94N, R52W more fully described on the face of this License

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 2944-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 13th day of June A. D.
Nineteen Hundred and Eighty

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer, JOHN HATCH

Form 6 - Notice of Intent to Appropriate Water

No. 2944-3

Publish first publication, on or before September 16, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 2, 1976

Notice is hereby given that Melvin Walz
whose post office address is Wakonda, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use

1.5 cubic feet of water per second of time from the ground water through the
_____, the point of diversion of which is to be located in the _____

Center of the NE 1/4

of Section 16, Twp. 94N, Ran. 52W. Said water to be used for the purpose
of providing irrigation on the following described land:

NE 1/4 NE 1/4, S 1/4 NE 1/4, Section 16, T94N, R52W

This application No. 2944-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 29th day of September, 1976, at 10:00 A. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Melvin Walz, Wakonda, S. D. 57073

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Clay) ss.

I, Sam Gottlieb hereby

certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Plains Talk

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

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

Sept 16, 1976
Sept 23, 1976

Maryetta Brase
(Signature)
Brase
(Title)
Sept 23, 1976
(Date Signed)

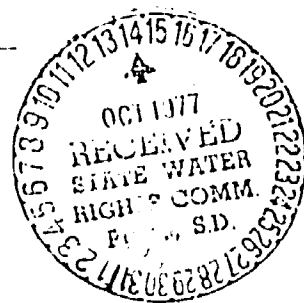
Notice
Intent To
Appropriate Water

Notice is hereby given that
Helvin Walz whose post office ad-
dress is Wakarusa, South Dakota,
has made an application in ac-
cordance with the provisions of the
water laws of South Dakota for a
permit to appropriate for beneficial
use 1.5 cubic feet of water per
second of time from the ground
water, the point of diversion of
which is to be located in the Center
of the NE 1/4 of Section 16, Twp.
94N, Range 52W. Said water to be
used for the purpose of providing
irrigation on portions of the
following described land: NE 1/4
NE 1/4, S 1/2 NE 1/4, Section 16,
T94N, R52W.

This application No. 2944-3 will
be considered by the Water Rights
Commission at their office in Pierre
upon the 29th day of September,
1976, at 10 a.m. All interested per-
sons may appear and be heard.

Water Rights Commission
By: Burton F. Jones
Water Rights Specialist
Pub.: Sept. 16, 23, 1976.



No. 2944-3NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office Wakarusa, So. Dakota
Date Oct. 10, 1977TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 2944-3.

Water Right Permit No. 2944-3 states that the diversion system is to be constructed by Sept. 30, 1981 and that the water is to be put to beneficial use by Sept. 30, 1985.

The diversion system was completed on June 1, 1977.
Applying the water to beneficial use was completed on June 1, 1977.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

M. G. Givens
(Signature)

Permit No. 2944-3Water Division 3 VERMILLION RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by MELVIN
WALTZ of WAKONDA holder
of Permit No. 2944-3, bearing date of priority of AUGUST 26, 1976
authorizing the diversion of 1.5 cu. ft. per second of the waters of GROUNDWATER
for IRRIGATION purposes, in CLAY County.

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

The Water Use System consists of,

A. Works used to divert the water:

135' DEEP WELL WITH 14" STEEL CASING - 25' SS SCREEN
NATIONAL PUMP - MODEL N-200 - SERIAL # 1176 608
POWERED BY 100HP GE ELECTRIC MOTOR

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

10' OF 10" MAINLINE TO CENTER PILOT

C. Works used to apply water to beneficial use.

BUTLER HYGROMATIC 7 TOWER CENTER PILOT - MODEL JB297 TATIDE,
1300' LONG WITH #100 END GUN

The system is in the following condition: GOOD

The point of diversion is located CENTER OF THE NE⁴ SECTION 16,
T94N, R52W

The works are capable of diverting and conveying to the place of use 2.0
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: FOR IRRIGATING THE FOLLOWING

LAND IN SECTION 16, T94N, R52W
NE⁴ NE⁴ 35 ACRES
SW⁴ NE⁴ 35 "
SE⁴ NE⁴ 35 "

comprising a total of 105 acres of land.Date MAY 7, 1980

Durston Jones
(Signature)

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7521

PIERRE, May 22, 1980

RECEIVED OF Melvin Walz, Wakarusa, SD 57073

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. 2944-3	50	00
Fee for inspecting Beneficial Use, and issuing Water License No. 2944-3		
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	50	00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer.
JOHN HATCH lt

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

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

June 16, 1980

Melvin Walz
Wakonda,
South Dakota 57073

Dear Mr. Walz:

Enclosed herewith are, Water License No. 2944-3 and Certificate of Construction.

Water License No. 2944-3 is the final water right document completing your process of obtaining a water right.

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.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

JH:jw

enclosures

NOTE: Your pump capacity is 2.0 c.f.s. (970 gpm) and based upon the acreage actually irrigated, you are entitled to divert 1.5 c.f.s. (675 gpm). Any diversion in excess of 1.5 c.f.s. would be a violation of your Water Right.

South Dakota
Department of
Water & Natural Resources

Joe Foss Building
323 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3322

No. 4731-3

APR 30 1987

Melvin Walz
RR 1, Box 61
Wakonda, South Dakota 57073

Dear Mr. Walz:

Enclosed herewith is, Water License No. 4731-3. This is the final water right document completing your process of obtaining a water right.

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.

Very truly yours,

John Hatch

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ms

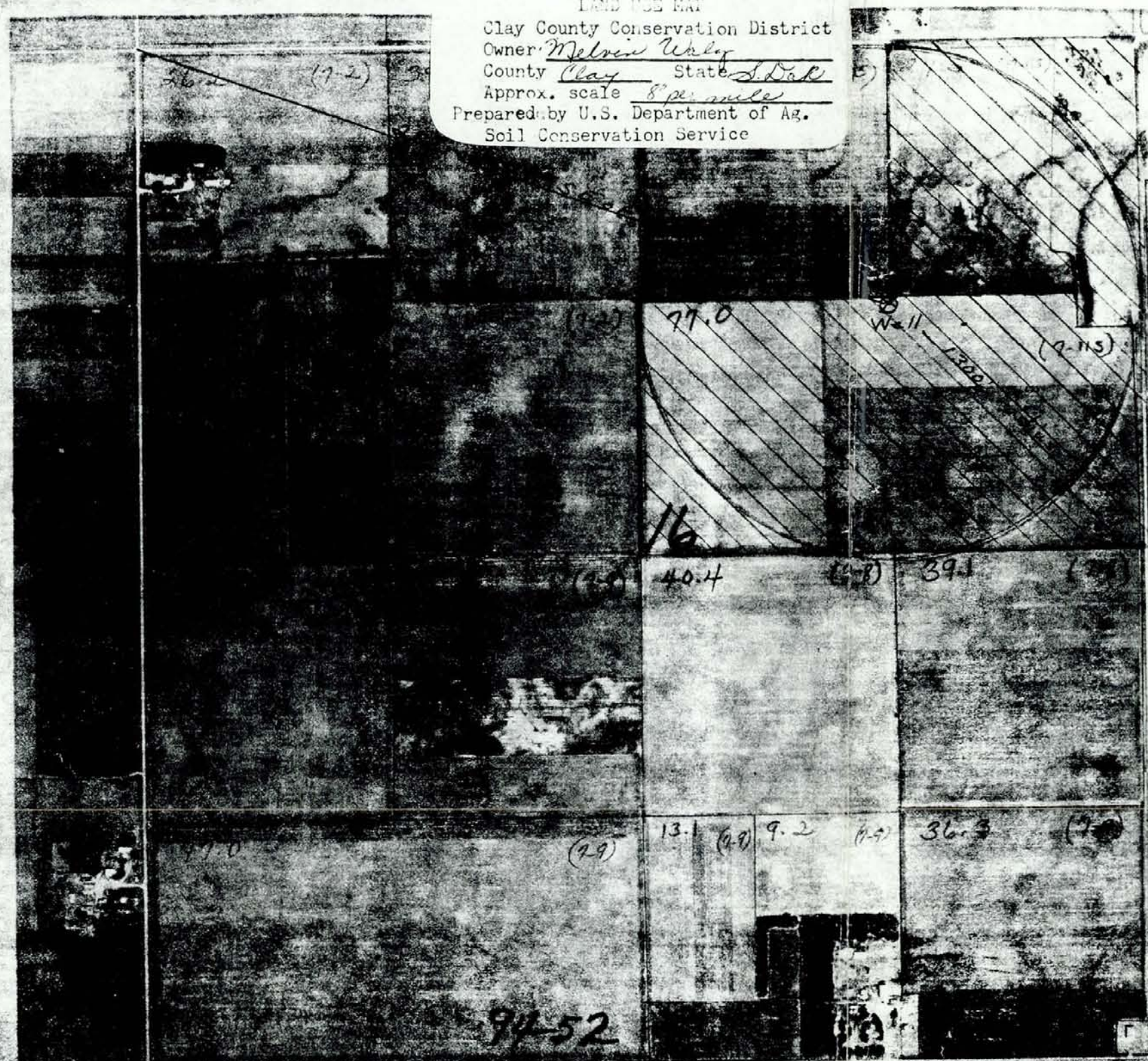
Enclosures

Applicable portions of Water Right No. 2944-3 have been incorporated into this Water License No. 4731-3.

WNR-817 3/83

Transmittal of Water License.

LAND USE MAP
 Clay County Conservation District
 Owner: Melvin Walz
 County Clay State S. Dak
 Approx. scale 8" per mile
 Prepared by U.S. Department of Ag.
 Soil Conservation Service



MELVIN WALZ

Irrigation Project #1
 Wakonda S. Dakota
 Clay County

Water claimed - 1.3 cfs
 Acres Irrigated - 105
 Point of Diversion - 253 ft
 N 109° E & NW corner of
 Sec 16-94-52
 Scale - 1" = 660'

SURVEYOR'S CERTIFICATE

I, John Leevers, do hereby
 certify that this map identifies a
 reasonably accurate record
 the land of

Melvin Walz

Wakonda South Dakota
 Clay County 8-19-76
 Drawn by PW P.E. #1916
 John Leevers, Surveyor
 Map No. 2276-3 App. No. 2944-3