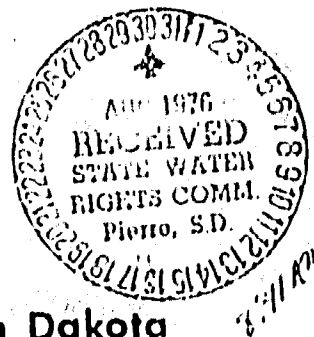


No. 2961-3
 Map No. 2292-3 Water Division No. 3 VERMILLION RIVER District
 (Plans to be Filed by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Kenneth Hoogstraat
 Postoffice address Chancellor, State S.D.
 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 Hoogstraat # 1
 4. Amount of water claimed (cubic feet per second) 1.7
 5. Source of water supply well
 6. Location of point of diversion well location SW 1/4 NE 1/4

 County Turner
 7. Annual period or periods during which water is to be used April - Nov.
 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 120

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.
<u>NW 1/4 NE 1/4 Sec. 28 T49R55E</u>	<u>40</u>		
<u>NE 1/4 NE 1/4</u>	<u>40</u>		
<u>SE 1/4 NE 1/4</u>	<u>40</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 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 Turner News Era
S.F. Argus if necessary
 12. Principal Features of the Proposed Water Supply System.

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

Well

Incorporated
into 31675-3

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

C. Works proposed to apply water to beneficial use.

Center PivotEstimated Total Cost \$ 30,000

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 Minnehaha)

I, Kenneth Hoogstraat 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 Kenneth HoogstraatSubscribed and sworn to before me this 26 day of August 19 76

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2961-3
KENNETH HOOGEESTRAAT CHANCELLOR
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57015 With the following modifications:
 (State)

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.

INCORPORATED INTO

WATER LICENSE NO. 3675-3

Date of first receipt of application AUGUST 30, 1976
 Date of return to applicant for correction, amendments or changes required _____, 19____
 Date of receipt of corrected application SEPTEMBER 9, 1976
 Approved SEPTEMBER 30, 1976 Recorded in Book 16 Page 278

WATER RIGHT PERMIT NO. 2961-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2961-3 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 30, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MARCH 30, 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, 1984
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 1.7 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, 1984; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 7TH day of FEBRUARY, 1977

WATER RIGHTS COMMISSION

By:

John Walsh
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

REPRODUCTIONS: REDUCED 25%

ROLL NO. 3

DATE MICROFILMED 7-16-84

STATE OF SOUTH DAKOTA
 WATER RIGHTS COMMISSION

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 18, Depth 60'
 (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 14" Thickness .025
 (3) Perforated Screen.

Type Johnson, Diameter 14", Length 15'

(4) Gravel Pack, Thickness 4", Length of gravel pack 60

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 0-20 Dirty Sand
20-40 Sand & Clay
40 -60 Sand & Gravel

Depth to top of water bearing material 20'

Depth to bottom of water bearing material 60'

Thickness of water bearing material 40'

Depth to water (ground surface to water level) 20'

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

On same owner's property ----- rds. On property owned by others 320 rds.

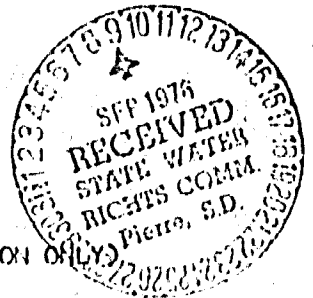
G. Water Storage Dams.

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.

Kenneth Hoogestadt
 Signature of Applicant

CONSERVATION
COMMISSION
FORM 1.1 11

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 Kenneth Hoogetraut
ADDRESS Chancellor S D 57015
COUNTY Turner

LEGAL DESCRIPTION

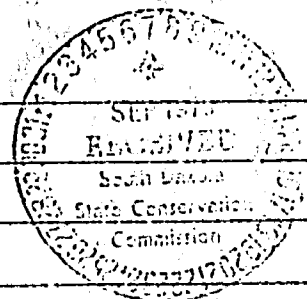
1. WELL LOCATION SW¹/4 NE¹/4 Sect 25 T49 R5 E3
2. LOCATION OF AREA TO BE IRRIGATED NE¹/4 NE¹/4; NW¹/4 NE¹/4; SE¹/4 NE¹/4 Sect 25

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn, Soybeans, Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 76-1195
6. SALINITY (EC x 10⁶) 1253
7. SODIUM (SAR) 1.30
8. RESIDUAL SODIUM CARBOXYLATE (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 Turner Co. 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.

SUBSCRIBED AND SWORN BEFORE ME THIS
22 DAY OF Aug 19 76

Walter J. Pubbe
(TITLE OR SEAL)

Kenneth Hoogetraut
APPLICANT'S SIGNATURE

Walter J. Pubbe
APPROVED

Walter J. Pubbe
WED
W. J. SOMMERVOLD

(SOILS INFORMATION ON REVERSE SIDE) Notary Public, STATE OF SOUTH DAKOTA
My Commission Expires February 11, 1982

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

Submitted by: Kenneth Heggstrat
 Address: Chancellor, SD 57015

Date Rec'd: August 30, 1976
 Sample No.: 76-1195
 Identification: 111-381
100, 100.25, 1998, A 534

WATER ANALYSIS

Calcium (Ca)	186	ppm*	9.30	me/l**
Magnesium (Mg)	72	ppm	5.90	me/l
Sodium (Na)	19	ppm	0.83	me/l
Potassium (K)	7	ppm	0.18	me/l
Sulfate (SO ₄)	570	ppm	11.86	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	12	ppm	0.32	me/l
Bicarbonate (HCO ₃)	366	ppm	6.00	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)	300	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1253	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.30			
Sodium	5.12	% of cations		
Residual sodium carbonate	0.60	me/l		
pH	7.36			

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

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

COMMENTS: Total cations 16.21 me/l
 Total anions 16.18 me/l



By: Shirley Eitten

Service Performed

Amount Due

Irrigation analysis

\$3.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1195

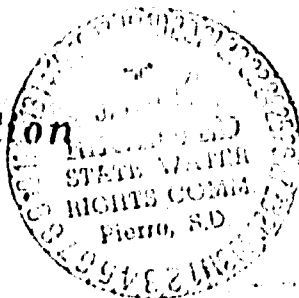
Amount Enclosed

Signed

Affidavit of Publication

STATE OF SOUTH DAKOTA

COUNTY OF TURNER



EARL J. BORMANN

of said County and State, being duly sworn, on his oath says:

THE NEW ERA is a weekly newspaper of general circulation, printed and published in Park, Turner County and State of South Dakota by Earl J. Bormann, and has been such a newspaper during the times hereinafter mentioned; that the said newspaper is a legal newspaper, that it has a bonafide circulation of more than 200 copies weekly, that it has been published within said county of Turner in the English language for more than fifty-two successive weeks next prior to the publication of the notice hereinafter mentioned, and has been printed during said period and at the present time, in whole or in part in an office maintained at the said place of publication; and that I, the undersigned, am

owner

of said newspaper, in charge of the advertising department thereof, and have personal knowledge of all facts stated in this affidavit; that the advertisement headed **NOTICE--INTENT TO APPROPRIATE WATER**

re: Kenneth Hoogestraat, Chancellor, S. D.,

a printed copy of which is hereto attached, was printed and published in the said newspaper for two weeks; that said notice was published in the issues of said newspaper on the dates as follows, to-wit:

The first publication being made on Thursday, Sept. 16th 1976;
the second publication on Thursday, September 23rd 1976;
the third publication on 19.....;
the fourth publication on 19.....;
the fifth publication on 19.....;
the sixth publication on 19.....;
and the last publication on 19.....;

that \$....., the full amount of the fee charged for publication of the annexed notice, insures soluy to the benefit of the publishers of the said newspaper; that no arrangements or understanding for a division thereof has been made with any person, and that no part thereof has been agreed to be paid to any person whomsoever.

re: Kenneth Hoogestraat, Chancellor, S. D. 57015

Subscribed and sworn to before me this 23rd
day of September, 1976

Notary Public, Turner County, South Dakota.

No. 2061-3
**NOTICE OF INTENT
TO APPROPRIATE WATER**
Pierre, South Dakota 57501
September 10, 1976

Notice is hereby given that Kenneth Hoogestraat, whose post office address is Chancellor, 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 1.7 cubic feet of water per second of time from ground water through the Hoogestraat No. 1, the point of diversion of which is to be located in the SW 1/4 NE 1/4 of Section 25, Twp. 09N, Range 63W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

N 1/4 NE 1/4, SE 1/4 NE 1/4, Section 25, T09N, R63W.

This application No. 2281-3, will be considered by the Water Rights Commission at their office at Pierre upon the 10th 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:

Kenneth Hoogestraat, Chancellor,
S. D. 57015.
(2tc26--Sept. 16 & 23, 1976)

Publication Fees \$.....

Received Payment,
.....
.....
.....

Form 6 - Notice of Intent to Appropriate Water

No. 2961-3

Publish first publication, on or before September 10, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 10, 1976

Notice is hereby given that Kenneth Hoogestraat

whose post office address is Chancellor, 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

1.7 cubic feet of water per second of time from the xx ground water through the Hoogestraat #1, the point of diversion of which is to be located in the

SW 1 NE 1

of Section 25, Twp. 99N, Range 53W. Said water to be used for the purpose of providing irrigation on ^{portions of} the following described land:

N 1 NE 4, SE 1 NE 1, Section 25, T99N, R53W

This application No. 2961-3 will be considered by the Water Rights Commission at their office at Pierre upon the 30th 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: Kenneth Hoogestraat, Chancellor, S.D. 57015

Kenneth Hoogestraat Irrigation System #1
Kenneth Hoogestraat, Chancellor, S. Dak. 57015

R 53 W

24

19

25

30

140 RODS S. 60° W.

49.9 PROPOSED
IRRIG. WELL
No. 1

T 99 N

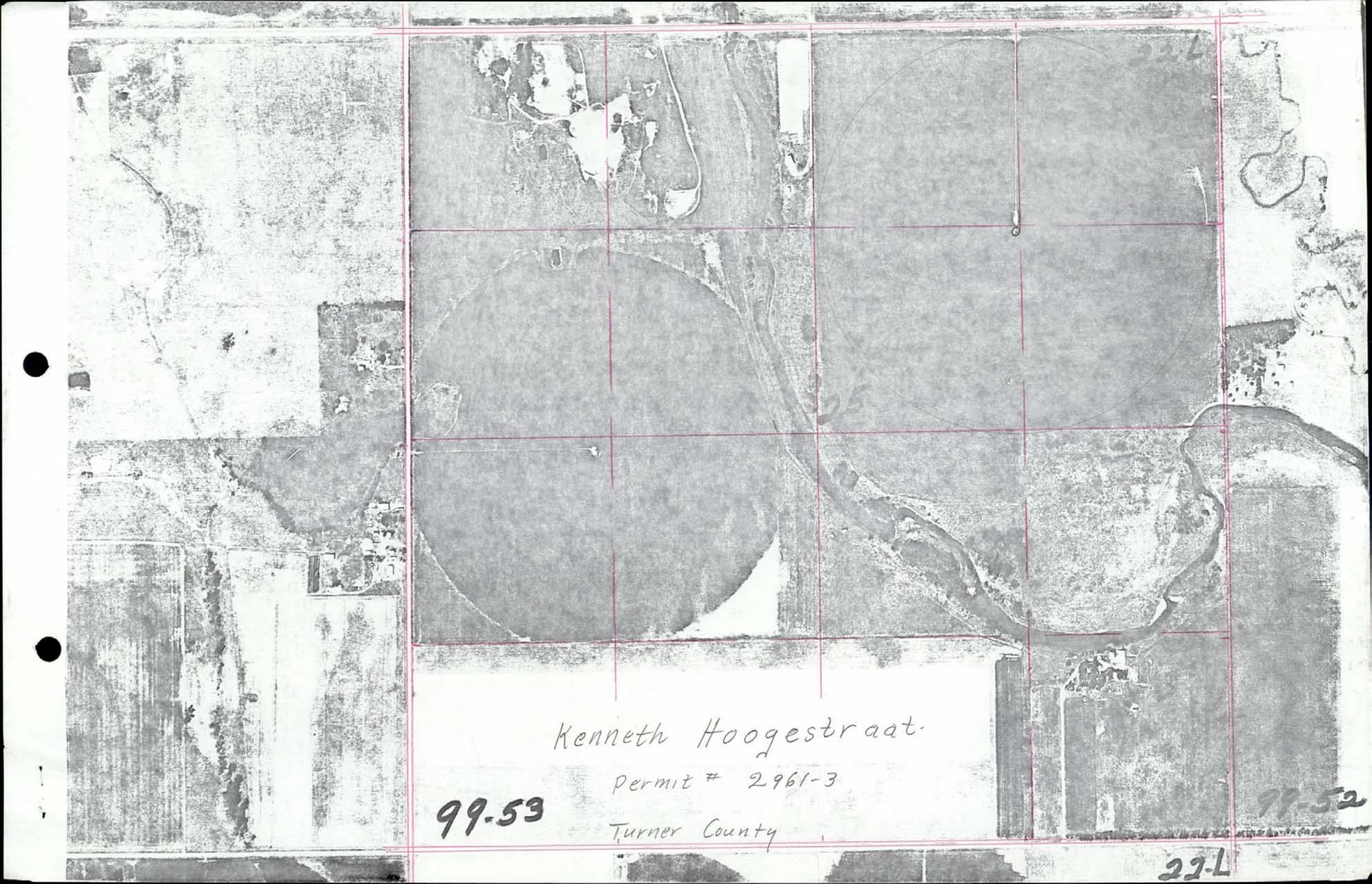
Land To Be Irrigated:

NW $\frac{1}{4}$ NE $\frac{1}{4}$ 25-99-53 - 40 ac.
NE $\frac{1}{4}$ NE $\frac{1}{4}$ 25-99-53 @ 40 ac.
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 25-99-53 40 ac.

Total 120 ac.
more or less.

99.53

MAP NO. 2461-3 APR 1961-3



Kenneth Hoogestraat.

Permit # 2961-3

Turner County

99-53

99-52

22-L