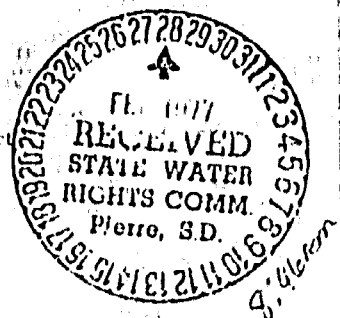


Water Right Number 3680-3

1. Considered 3-23, 19 77
2. Name of Applicant RAY BROS.
3. Post Office Address KINGSLEY, Ia.
4. Amount of Water claimed 2.7
5. Source of Water supply 105' WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 320
7. Water to be diverted and used in UNION County
- about 2W miles of ELK POINT
8. Proof of Publication Received 1ST 3-21-77
- Not Received _____
- Approved _____
- Subject to _____
- Not Approved _____
- Action Deferred _____
9. Application
10. Remarks:

Map No. 2954-3 Water Division No. 3 Big Sioux River District 4
 (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 Ray Bros. M. W.
 Postoffice address Kinzely State Iowa
 If a corporation show date and place of incorporation None
2. Method of accomplishing work (contract, employment of others, or by direct labor) contract
3. Name of diversion work Ray Irrigation Project 2
4. Amount of water claimed (cubic feet per second) 2.7 CFS
5. Source of water supply Well
6. Location of point of diversion 3000 feet south and 2000 feet west of the Northeast corner of section 21, T91N R50W
Union, South Dakota
7. Annual period or periods during which water is to be used June through September
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 320 acres

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.
S. NE 1/4 Section 21, T91N R50W			
SE 1/4 Section 21, T91N R50W			
SE 1/4 Section 21, T91N R50W			
SW 1/4 Section 21, T91N R50W	320 acres		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 Five years. Additional time required to complete application of water to the proposed beneficial use Five (5) years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Leader-Courier, Elk Point, S. Dak.
12. Principal Features of the Proposed Water Supply System.

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

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

C. Works proposed to apply water to beneficial use.

Center Pivot System

Estimated Total Cost \$ 10,000.00

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~~ IOWACounty of PLYMOUTH

We, RAY BROS. the applicant, certify that I have read the foregoing application and have examined the attached map and that the map therein stated are true and that I intend, and am able to complete the necessary construction.

Signed

Subscribed and sworn to before me this 23RD day of February 19 77

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3680-3
KAY, ERNEST M. W. KINGSLEY
 (Applicant) (Post Office Address)
TOWN 5102B 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.

Date of first receipt of application FEBRUARY 28 19 77
 Date of return to applicant for correction, amendments or changes required _____ 19 ____
 Date of receipt of corrected application _____ 19 ____
 Approved MARCH 23 19 77, Recorded in Book 1B Page 48

WATER RIGHT PERMIT NO. 3680-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3680-3 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 FEBRUARY 28 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 23 19 79
3. The whole of said work is to be completed on or before MARCH 23 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 23 19 82
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 2.7 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 MARCH 23 19 82; said water to be used during the following described annual period: JUNE THRU SEPTEMBER

Witness my hand this 20TH day of APRIL 19 77

WATER RIGHTS COMMISSION

John Galich
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 ____
 Water License Issued _____ 19 ____

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 30 inches, Depth 105 feet
- (2) Casing, Type transite Diameter 16" I.D. Thickness 3/4 inch
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type 1/8 inch slotted, Diameter 16" I.D., Length 20 feet
- (4) Gravel Pack, Thickness 6 - 9 inches, Length of gravel pack 20 + feet

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 water bearing gravels and rock

Depth to top of water bearing material 105 feet

Depth to bottom of water bearing material 30 feet

Thickness of water bearing material 75 feet

Depth to water (ground surface to water level) 1 1/2 foot drawdown

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

On same owner's property 140 fms. On property owned by others 320 fms.

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.

Ray B. Ross
Miller Ray
Signature of Applicant

Conservation
Commission
Form WI 01

Well No 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 Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: *[Signature]*

Disapproved: _____

NAME: Ray Jones
ADDRESS: King, Iowa 51528
COUNTY: Union Co.

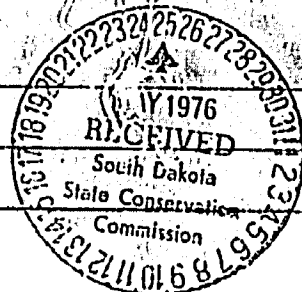


LEGAL DESCRIPTION

1. WELL LOCATION: 3300 South + 1920' West of 11. NE Corner of
Sec 21 T91N R60W
2. AREA TO BE IRRIGATED: 280 ac

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Sprinkler
4. CROPS TO BE IRRIGATED: Beans & Corn



LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0-2%
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: 2H45XVI - Haynie - Deep,
medium textured, bottomland soils with sandy subsoils

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 76-451
8. SALINITY: EC = 1564 (high)
9. SODIUM: SAR = 1.27 (low)

I do hereby certify that a chemical analysis of the ground water to be
acquired for irrigation from South Dakota State University and;
the land capability for irrigation information has been acquired from

Soil Conservation Service

and:

that the legal description for the location of the well and land to be
irrigated is true and correct.

Ray Brown

M. W. Ray

Subscribed and sworn before me this

_____ day of _____ 19____.

(Title)

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

Submitted by: Ray Froh.
 Address: Kingsley, Iowa 51028

Date Rec'd: May 3, 1976
 Sample No.: 76-450
 Identification: Well-
Net, Sec. 21, T 91N, R 50W

WATER ANALYSIS

Calcium (Ca)	250	ppm*	12.50	me/l**
Magnesium (Mg)	58	ppm	4.76	me/l
Sodium (Na)	87	ppm	3.78	me/l
Potassium (K)	23	ppm	0.60	me/l
Sulfate (SO ₄)	470	ppm	9.78	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	17	ppm	0.43	me/l
Bicarbonate (HCO ₃)	610	ppm	10.00	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)	500	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	141.0	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.29			
Sodium	17.46	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.27			

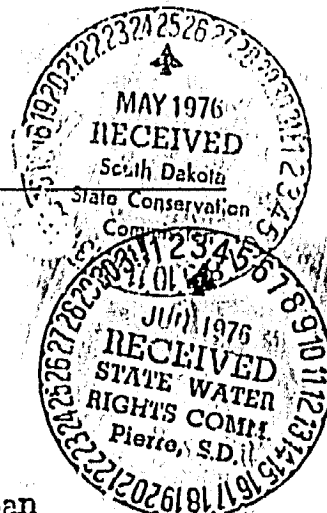
Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 21.64 me/l
 Total anions 20.26 me/l



By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$8.00
Make checks payable to: Water Quality Laboratory	
Cut along dotted line and return the lower portion with payment	
Sample No. <u>76-450</u>	Amount Enclosed \$
	Signed

Farm 6 - Notice of Intent to Appropriate Water

No. 3600-1

Publish first publication, on or before March 10, 19 77

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

March 2, 19 77

Notice is hereby given that Ray Brothers
whose post office address is Kingsley, Iowa ~~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
2.7 cubic feet of water per second of time from the ground water through the
Ray Irrigation Project # 2, the point of diversion of which is to be located in the _____

NW 1/4 Sec 21
of Section 21, Twp. 91N, Range 50W. Said water to be used for the purpose
of providing irrigation on the following described land:

NW 1/4, SW 1/4, NE 1/4, SE 1/4, Section 21, T91N, R50W

This application No. 3600-1 will be considered by the Water Rights Commission at their office at
Pierre upon the 23rd day of March, 19 77, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

XBURTON EXXJONES JAMES WILBERTON
Water Rights Specialist

BFJ/lw

cc: Ray Brothers, Kingsley, IA 51028

No. 3680-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Lester E. Emerson hereby

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

Water was taken from the Leader-Courier

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 Elk Point

County of Union and State of South Dakota:
that the said notice was published in said newspaper on the following
two dates:

March 10, 1977

March 17, 1977

Lester E. Emerson
(Signature)

Publisher
(Title)

March 17, 1977
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER 3-17
Pierre, South Dakota 57501
March 3, 1977

Notice is hereby given that Ray
Brothers whose post office add-
ress is Kingsley, Iowa, has made
an application in accordance with
the provisions of the water laws
of South Dakota for a permit to
appropriate for beneficial use
2.7 cubic feet of water per sec-
ond of time from the ground water
through the Ray Irrigation Pro-
ject #2, the point of diversion of
which is to be located in the NW $\frac{1}{4}$
SE $\frac{1}{4}$ of Section 21, Twp. 91N, S.
Range 50W. Said water to be used
for the purpose of providing irri-
gation on portions of the following
described land: S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$
NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, Section 21, T91N,
R50W.

This application No. 3680-3
will be considered by the Water
Rights Commission at their off-
ice at Pierre upon the 23rd, day
of March, 1977, at 10:00 A.M.
All interested persons may ap-
pear and be heard.
WATER RIGHTS COMMISSION
By James Winterton
Water Rights Specialist
Pub. March. 10, 17.



3680-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 15, 1996

3679-3

3680-3

M W Ray
Ray Farms
Box 151
Kingsley, IA 51028

Dear Mr. Ray:

I am contacting you in regard to the name and/or ownership changes you requested for Water Permit Nos. 3679-3 and 3680-3. On your 1995 irrigation questionnaires you made a notation that the permits should be listed under "Ray Farms" rather than "Ray Brothers or M W Ray."

Enclosed are partially completed "Notice of Transfer of Ownership" forms for use in filing the ownership change. Please review the forms for accuracy and make any necessary corrections. Upon completion, please sign the forms in the presence of a notary public and return them to our office with a required filing fee of \$2.50 each (total of \$5.00).

Thank you for your assistance in this matter. If you have any questions, please contact me.

Sincerely,

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

enclosure



3680-3

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

August 26, 1996

SECOND NOTICE
Permit Nos. 3679-3
3680-3

M. W. Ray
Ray Farms
Box 151
Kingsley, IA 51028

Dear Mr. Ray:

On April 15, 1996, notice was sent to you concerning the transfer of Water Permit Nos. 3679-3 and 3680-3 in the name of M. W. Ray, Ray Brothers. To date, we have not heard from you on this matter.

Transfer forms were previously sent to you, enclosed are additional forms. Please sign, have notarized and return the forms to this office with the required filing fee of \$2.50 per transfer (\$5.00 total). The water permits can then be transferred to your name. If you are not the present owner of the land covered under these water permits, please notify this office. It is very important that ownership records be kept current. South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a Water Permit or Water Right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact Genny McMath, (605) 773-3352

Very truly yours,

RON DUVAL
Natural Resources Engineer
For John Hatch, Chief Engineer
Water Rights Program

enclosure

3680-3

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 3680-3

Date: 9-18-96



I/We request that Water Permit No. 3680-3

formerly owned by: M W Ray, Ray Brothers

be transferred to: (name & address) Ray Farms, Box 151, Kingsley, IA 51028

Telephone No. 712 378-2536

Title to the following described land(s)/property has been transferred as described above:

S 1/2 NE 1/4, SE 1/4, SE 1/4 NW 1/4 and E 1/2 SW 1/4 Section 21, T91N, R50W

I/We understand that the validity of Water Permit No. 3680-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

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

STATE OF SOUTH DAKOTA)

County of Union)

I/We Ray Farms, Inc. (M. Ray) being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

[Signature]
(Signed)

Subscribed and sworn to before me this 18th day of SEPTEMBER, 1996.

[Signature]
(Notary Public)

My Commission Expires 5-31-2001

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

Division of Water Rights

South Dakota Department of Environment and Natural Resources

415124

Pierre, _____ September 26, 19 96

RECEIVED OF Thomas Ray, P.O. Box 151, Kingsley, IA 59028

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form <u>Water Permit No. 3680-3</u>		2 50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)		
Total	2	50

By John Hatch
Chief Engineer



3680-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 4, 1996

Nos. 3679-3

3680-3

Thomas Ray
P.O. Box 151
Kingsley, IA 51028

Dear Mr. Ray:

Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Permit Nos. 3679-3 and 3680-3.

Our records now show Ray Farms as the owner of Water Permit Nos. 3679-3 and 3680-3.

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

enclosure



3680-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 13, 1997

Tom Ray
Ray Farms
Box 151
Kingsley IA 51028

Dear Mr. Ray:

Forest Walter, with this office indicated you called concerning your water permits. A review of our files indicates that Ray Farms has two water permits.

Water Permit No. 3679-3 authorized 2.7 cubic feet of water per second (cfs) from one well located in the SW 1/4 NE 1/4 Section 28 to irrigate 240 acres located in the NE 1/4 and E 1/2 NW 1/4 Section 28; all in T91N-R50W.

Water Permit No. 3680-3 authorized 2.7 cfs from one well located in the NW 1/4 SE 1/4 Section 21 to irrigate 320 acres located in the S 1/2 NE 1/4, SE 1/4, SE 1/4 NW 1/4 and E 1/2 SW 1/4 Section 21; all in T91N-R50W.

These two permits were transferred to Ray Farms on September 26, 1996. I could not find a permit or application for the well located in the SW 1/4 Section 22-T91N-R50W. Enclosed are the necessary forms and instruction sheet for applying for an *Application for a Permit to Appropriate Water for Irrigation*.

Mr. Ray, if you have any questions or need assistance in completing the application, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

enclosure



December 7, 1999

3680-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

Tom Ray
302 Kurtz Drive
Kingsley, IA 51028

Dear Mr. Ray:

Enclosed are three partially completed application forms and an instruction sheet. You will not have to provide maps as stated in item 2.), on the instruction sheet. I have already prepared the maps. The enclosed copies of the maps are yours to keep.

Inspections of Permit Nos. 3679-3, 3680-3 and 6139-3 found additional acres being irrigated and additional water use to what is authorized. Permit No. 3679-3 authorizes the irrigation of 240 acres and the use of 2.7 cubic feet per second (cfs) or 1,215 gallons per minute (gpm) of water. The investigation found a center pivot that irrigates 300 acres and uses 4.44 cfs or 2,000 gpm of water. The maximum amount of water that can be applied to land is 1 cfs per 70 acres. For 300 acres the total allowed would be 4.29 cfs or 1930 gpm. A water permit application is needed for the additional 60 acres and 1.59 cfs or 715 gpm.

Permit No. 3680-3 authorizes the irrigation of 320 acres of land and the use of 2.7 cfs or 1,215 gpm of water. The investigation found a cornering center pivot that irrigates 326 acres and uses 4.44 cfs or 2,000 gpm of water. A water permit application is needed for the additional 6 acres and 1.74 cfs or 785 gpm.

Permit No. 6139-3 authorizes the irrigation of 115 acres of land and the use of 1.77 cfs or 796 gpm of water. The investigation found a 1/2 center pivot that irrigates 142 acres and uses 2.0 cfs or 900 gpm of water. A water permit application is needed for the additional 27 acres and 0.23 cfs or 104 gpm.

Each of the applications requires a \$150.00 application fee and an additional \$50.00 is needed for the inspection/licensing fee (\$200.00 per application). This fee will cover the inspection/licensing fee for the new application and the existing permit. Once the new application is approved the two permits will be licensed together. This will be done for each new application and corresponding existing permit.

If you have any question, please feel free to contact me at (605) 773-3352.

Sincerely,

Lynn Beck
Natural Resources Engineer III

FORM 2: Application for Irrigation in South Dakota
(type or print)

Mail to:
Water Rights Program
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181
(605) 773-3352

(office use only)
No. _____ Hydrologic Unit _____
Basin _____
Newspaper _____

Application For Permit To Appropriate Water For Irrigation

Type of Application: X New Vested Right Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) _____

1. Name of Applicant Ray Farms, Tom Ray Phone (712) 378-2536
(check one) X Owner Tenant/lessee
Mailing Address 307 Kurtz Dr., Kingsley State IA 51028
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 1.74 *CFS or 785 **GPM ***AF Total Acreage 6
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
For a total of 4.44 cfs. For a total of 326 acres.
3. Source of water supply One well in the Missouri-Elk Point Aquifer.
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) NW1/4 SE1/4 Section 21, T91N,
R50W approximately 1920' W and 1989' N of the SE corner Section 21. The well is authorized by
Permit No. 3680-3. County Union
5. County or counties where water will be used Union
6. Annual period during which water is to be used June 1 - September 30
7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
Section 21, T91N, R50W:		SE1/4 SW1/4	30
Section 21, T91N, R50W:		SE1/4 SW1/4	30
SW1/4 NE1/4	40	NE1/4 SE1/4	40
SE1/4 NE1/4	33	NW1/4 SE1/4	40
SE1/4 NW1/4	33	SW1/4 SE1/4	40
NE1/4 SW1/4	40	SE1/4 SE1/4	30

8. Give a description of the project. (Attach sheet if more space is needed)
This application is for an additional 6 acres and 1.74 cfs (785 gpm) for an existing center pivot under Permit No. 3680-3. Permit No. 3680-3 authorizes irrigation on 320 acres and 2.7 cfs (1215gpm) located on land as described above. The circle covers 326 acres and uses 4.44 cfs (2000 gpm).

STATE OF SOUTH DAKOTA)

County of _____)

SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

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

Applicant's signature _____

Subscribed and sworn to before me this _____ day of _____ 19 _____

3-98

Notary Public signature

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth 100
- b) Casing Type _____ Diameter 10" Thickness _____
- c) Screen Type Johnson ss Diameter 10" Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

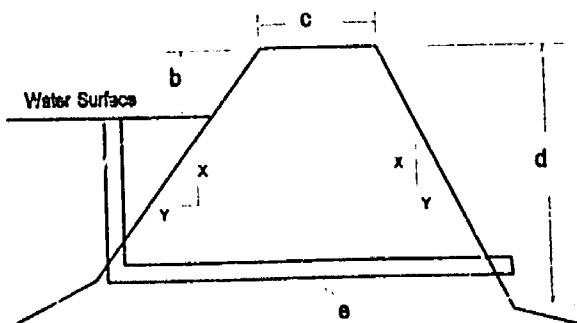
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres



3680-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

6179-3
6180-3
6181-3

MAY 12 2000

Ray Farms
%Tom Ray
307 Kurtz Drive
Kingsley, IA 51028

Dear Mr. Ray:

Enclosed are Water Permit and Water License Nos. 6179-3, 6180-3 and 6181-3. These are the final water right documents 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 wells authorized by Water Right Nos. 6179-3, 6180-3 and 6181-3, 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 Licenses, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures

NOTE: The applicable portions of No. 3679-3 are incorporated into Water License No. 6179-3, the applicable portions of No. ~~3680-3~~ are incorporated into Water License No. 6180-3, and the applicable portions of No. 6139-3 are incorporated into Water License No. 6181-3.

NOT TO SCALE

91-50

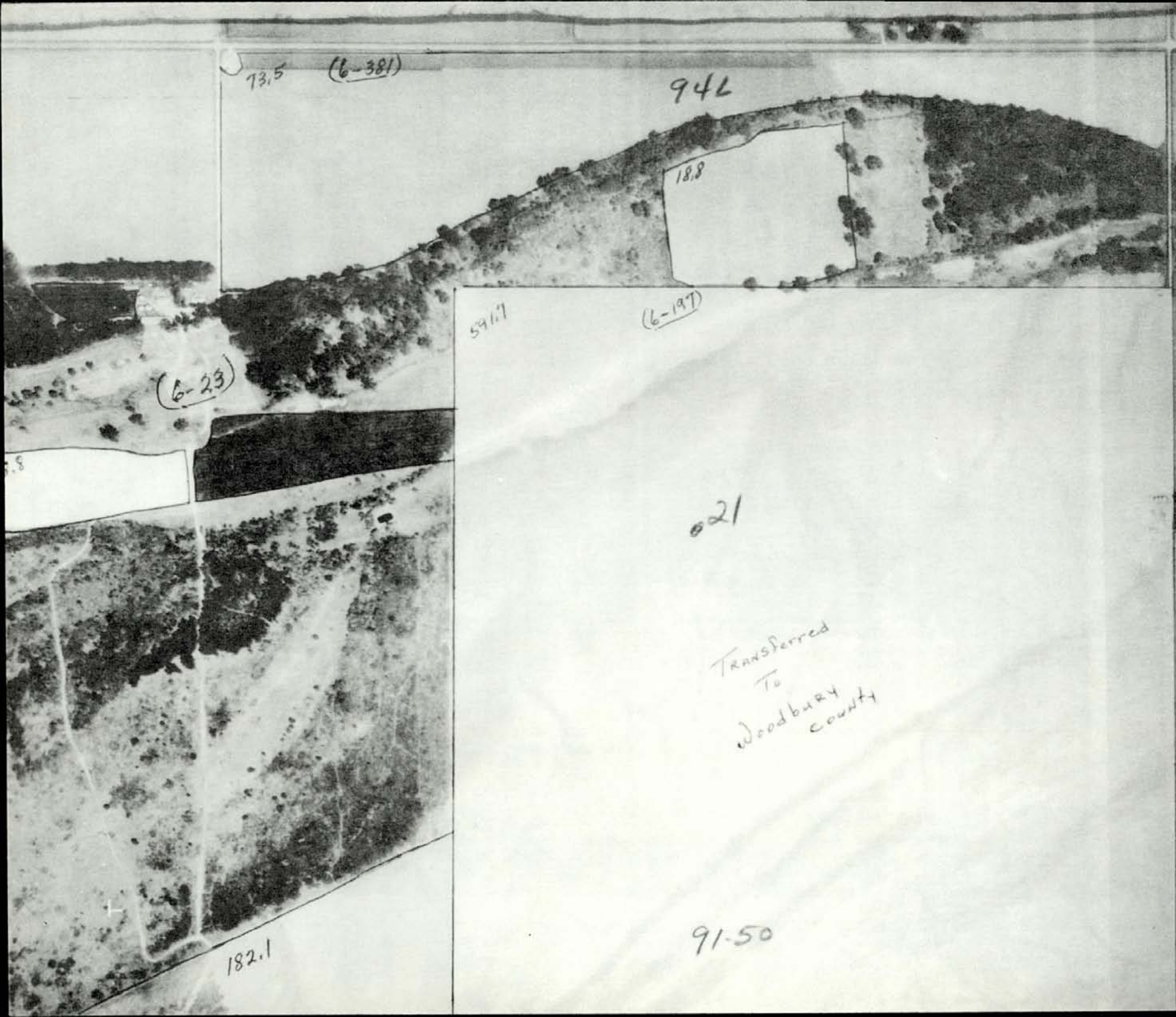
94-L

182.1

(6-23)

28

3674
3680



73.5 (6-381)

942

18.8

(6-197)

591.7

(6-23)

021

Transferred
To
Woodbury
county

91.50

182.1

NOT TO SCALE

3679
3480

S $\frac{1}{2}$ NE $\frac{1}{4}$ Sec 21
SE $\frac{1}{4}$ Sec 21
SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 21
E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec 21
T 91 N R 50 W
320 Acres to be irrigated

X
Point of Diversion
(Well) 2000'

X NE Corner of Sec. 21
T 91 N R 50 W

3000'



SE COR.

Scale: 8" = 1 mile

Ray Brothers
Kingsley, Iowa
Ray Irrigation Project

320 Acres

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>C. K. Ralston 9-2-75</u>	Date <u>9-2-75</u>	Approved by <u>C. K. Ralston</u>
Drawn <u>C. K. Ralston 9-2-75</u>	Title <u>Ray Irrigation Project</u>	
Traced	Sheet	Drawing No.
Checked	No. <u>1</u>	
	of <u>1</u>	

3680-3