

Water Right Number 2957-3

1. Considered 9.29, 19 76
2. Name of Applicant MRS. HENRY RONELL
3. Post Office Address ELK POINT
4. Amount of water claimed 2.28
5. Source of water supply 100' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in UNION County
about 12N, 24E Miles of ELK POINT
8. Proof of Publication
Received 9-28-76
Not received
9. Application
Approved
Subject to
Not approved
Action deferred
10. Remarks:

No. 2457-3Map No. 2288-3 Water Division No. 3 BIG SIOUX RIVER District
(Blanks to be filled by the Engineer for the W. H. 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 Mrs. Henry Ronell
- Postoffice address Elk Point, State South Dakota 57025
- 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 Ronell Irrigation Project
4. Amount of water claimed (cubic feet per second) 2.70 CFS 2.28 MAXIMUM ALLOWABLE
5. Source of water supply Well
6. Location of point of diversion 1320' East and 1320' North of SE Corner
of Section 28 T93N, R50W
- County Union
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 160Ac.

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>SW 1/4 Section 28 T93N, R50W</u>	<u>160Ac.</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five (5) 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 Appropriately Water publication Lander Courier, Elk Point, South Dakota
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

Estimated Total Cost \$ 10,000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of UnionI, Mrs. Henry Ronell 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 Mrs. Henry Ronell

Subscribed and sworn to before me this

11 day of

Sept 11, 1976

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2957-3

MRS. HENRY RONELL
(Applicant)

ELK POINT
(Post Office Address)

SOUTH DAKOTA 57025 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 existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application SEPTEMBER 9, 1976
Date of return to applicant for correction, amendments or changes required _____, 19____
Date of receipt of corrected application _____, 19____
Approved SEPTEMBER 30, 1976, Recorded in Book 16 Page 70

WATER RIGHT PERMIT NO. 2957-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2957-3 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 SEPTEMBER 9, 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, 1981
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 2.23 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, 1981; said water to be used during the following described annual period: JUNE THRU SEPTEMBER

Witness my hand this 29th day of NOVEMBER, 1976

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued NOVEMBER 26, 1979

Water License Issued NOVEMBER 26, 1979

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 100 feet
 (2) Casing, Type Trunnion 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 Interbearing Gravels and Rock

Depth to top of water bearing material 20 feet

Depth to bottom of water bearing material 100 feet

Thickness of water bearing material 80 feet

Depth to water (ground surface to water level) 14 foot drawdown

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

On same owner's property 120 rds. On property owned by others 100 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.

Mrs. Henry Rouell
 Signature of Applicant

August 25, 1976



Mrs. Henry Ronell
Elk Point, SD 57025

Dear Mrs. Ronell:

I am enclosing herewith your copy of the report of analysis on water sample 076-1076 received here about a week ago. I am also enclosing a copy of AES publication #13 with some information on soil and water reaction. The chart on the outside back cover has a red cross in it which signifies the approximate utility of this water for irrigation purposes. As you will see it is in the upper edge of the high salinity category but it is quite low in sodium.

Accordingly, this water is only moderately poorly suited for irrigation. The salt load it carries amounts to about 1.95 tons of salt for each acre foot of water. This is a considerable factor. This salt load is especially significant when one is irrigating soils of fine texture with slow internal drainage. If drainage past the bottom of the root zone is rapid so salts can be moved readily out of the root zone, there is not problem with this kind of water, but most of your soils are fine-textured and are slow draining. The area of soil #35, which is silty clay loam, in a depression near the east side of the quarter should not be irrigated under any circumstances. The other areas should be irrigated in the following fashion in order that the soil life be reasonably good and you not get salted out in a few years.

This water should be used in substantial amounts so as to completely rewet the root zone each time you irrigate. This means that you may have to add from 3-5 inches in one application. The water should be used as infrequently as possible, I would suggest no more than 3 applications a year in your case.

Any other application technique which puts on frequent, light amounts such as 1 or 1 1/2 inches will spell sure trouble in a few years because the salt which the water carries will be readily accumulated in the top foot or two of soil, and this will cause disastrous effects on crops. Thus, a center pivot system is not well adapted to this situation and I would suggest that you carefully consider some other method of applying the water in which you can apply greater amounts at a time.

The salinity which could develop in the surface soil would take years to be leached out under natural rainfall conditions, especially with the fine textured soils which you have. For these reasons, I urge that you undertake this venture with extreme caution and full knowledge of what the consequences might be.

Mrs. Ronell
August 25, 1976
Page 2

A copy of this letter is accompanying your application materials to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOP:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Louise DeSmet

CONSERVATION
COMMISSION
FORM VI #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 48-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Mrs. Henry Rowell
ADDRESS FLK Point
COUNTY 26th N 10th W

LEGAL DESCRIPTION

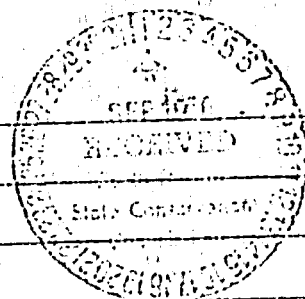
1. WELL LOCATION 1230' East & 1320' North of SW Corner of Sec. 28-74N R50W
2. LOCATION OF AREA TO BE IRRIGATED SW 1/4 Section 28, T93N R50W

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ FLOOD _____
4. CROPS TO BE IRRIGATED CORN BEANS

WATER QUALITY

5. SAMPLE NUMBER 76-1076
6. SALINITY (EC x 10⁶) 2163 (High)
7. SODIUM (SAR) 1.34 (Low)
8. RESIDUAL SODIUM CARBONATE (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 _____ 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.

Mrs. Henry Rowell
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
2 DAY OF Aug 1976.

Robert M. May
(TITLE OR SEAL)

ALLA S. STEIN
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Mrs. Henry Bonelli
 Address: Elk Point, SD 57025

Date Rec'd: August 19, 1976
 Sample No. 76-1076
 Identification Well:
 SW 1/4, Sec. 28, T 93N, R 50W

WATER ANALYSIS

Calcium (Ca)	344	ppm*	17.20	me/l**
Magnesium (Mg)	78	ppm	6.40	me/l
Sodium (Na)	106	ppm	4.61	me/l
Potassium (K)	28	ppm	0.73	me/l
Sulfate (SO ₄)	1088	ppm	22.62	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	70	ppm	1.96	me/l
Bicarbonate (HCO ₃)	220	ppm	3.60	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)	180	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	2163	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.34			
Sodium	15.92	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.70			
Others:				

*ppm = parts per million

**me/l = millequivalents per liter

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

COMMENTS: Total cations 28.94 me/l
 Total anions 28.18 me/l



By: Shirley Pittan

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. 76-1076

Amount Enclosed \$

Signed

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2957-3

(1) WHEREAS, On the 9th day of September A. D. 1976
Mrs. Henry Ronell

made Water Right Application No. 2967-3 for a permit to use 2.28 cubic feet per second of the waters of groundwater (one well)

County of Union State of South Dakota, for irrigation purposes; and

(2) WHEREAS, On the 30th day of September A. D. 19 76

Permit No. 2957-3 with a date of priority of September 9, 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 81

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 1.94 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 irrigation of a 136 acre circle in the SW $\frac{1}{4}$ Section 28, T93N, R50W

(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 Mrs. Henry Renell

_____ of Blk Point, South Dakota

the holder _____ and owner _____ of said permit No. 2957-3 a water right, dating from _____

_____ to use of 1.94 cubic feet per second of the water

of groundwater (one well)

in the County of Union and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted at a point 1320'N and 1306'E of the SW-Corner,

Section 28 - T93N, R50W

and conduct to and upon 1.136 acre circle in the SW 1/4 Section 28 T93N R50W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No 2957-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota

this 26th day of November A. D.

Nineteen Hundred and seventy-nine

Board of Water Management

By:

John Hatch
Chief Engineer

JOHN HATCH

Permit No. 2957-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Mrs. Henry Ronell

_____ the holder of
Permit No. 2957-3, issued upon Application No. 2957-3, bearing date of priority of September 9, 1976 authorizing the diversion of 2.28 cu. ft. per second of the waters of groundwater (one well) County of Union, State of South Dakota at a point 1320'N and 1305'E of the SW Corner, Section 28 - T93N - R50W

for irrigation

purposes, has _____ 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 November 26, 1979

John Hatch
JOHN HATCH, Chief Engineer
Water Rights, WND

No. 2957-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Lester E. Cameron hereby

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

Water was taken from the Lester E. Cameron

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:

September 16, 1976

September 23, 1976

Lester E. Cameron
(Signature)

D. L. Lister
(Title)

September 23, 1976
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501
September 10, 1976

Notice is hereby given that Mrs.
Henry Ronell whose post office
address is Elk Point, South Dak-
ota, has made an application in
accordance with the provisions
of the water laws of South Dakota
for a permit to appropriate for
beneficial use 2.28 cubic feet of
water per second of time from
ground water through the Ronell
#1, the point of diversion of which
is to be located in the Center
SW $\frac{1}{4}$ of Section 28, Twp. 93N, R50W,
Range 50W. Said water to be used
for the purpose of providing irri-
gation on portions of the follow-
ing described land: SW $\frac{1}{4}$, Section
28, T93N. R50W.

This application No. 2957-3 will
be considered by the Water Rig-
hts Commission at their office at
Pierre upon the 29th day of Sep-
tember, 1976, at 10:00 A.M. All
interested persons may appear
and be heard.

WATER RIGHTS COMMISSION

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



Form 6 - Notice of Intent to Appropriate Water

No. 2957-3

Publish first publication, on or before September 16, 19 76

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 10, 19 76

Notice is hereby given that Mrs. Henry Ronell
whose post office address is Elk Point, 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
2.28 cubic feet of water per second of time from the ground water through the
Ronell # 1, the point of diversion of which is to be located in the

Center SW $\frac{1}{4}$

of Section 28, Twp. 93N, Range 50W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW $\frac{1}{4}$, Section 28, T93N, R50W

This application No. 2957-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 29th day of September, 19 76, 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: Mrs. Henry Ronell, Elk Point. S. D. 57025

Permit No. 2451-3Water Division 3 PICKSLOPE RIVER Water District

**REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE**

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

I have this day made a thorough examination of the water use system constructed by MRS HENRY
RONELL of FLK POINT holder
of Permit No. 2451-3, bearing date of priority of SEPTEMBER 9, 1976
authorizing the diversion of 2.28 cu. ft. per second of the waters of GROUNDWATER
for IRRIGATION purposes, in UNION 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:
260' DEEP WELL WITH 16" DIA TRANSLITE CASING - (BOTTOM 60' SAND & GRAVEL)
FAIRBANKS MORSE PAMONA PUMP 8" 1" N 3528 CORDON
WITH RANDOLPH GEAR HEAD SET AT 1700 RPM
POWERED BY 3228 CATERPILLAR DIESEL MOTOR (150HP)
- B. Works used to transport water to place of use,
15' OF 8" MAINLINE TO PLOT
- C. Works used to apply water to beneficial use.
LOCKWOOD CENTER PLOT SYSTEM WITH END GUN

The system is in the following condition: GOODThe point of diversion is located 1320' N & 1305' E OF THE SW CORNER,
SECTION 28, T93N, R50WThe 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 A 136 ACRE CIRCLE IN THE
SW 1/4 SECTION 28, T93N, R50Wcomprising a total of 136 acres of land.

Date SEPTEMBER 11, 1979
[Signature]
(Signature)

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7076

PIERRE, October 11, 1970

RECEIVED OF Mrs. Henry Ronell, RFD, Elk Point, SD 57025

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. 2957-3		
Fee for inspecting Beneficial Use, and issuing Water License No. 2957-3		50.00
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 *J. H. Hatch*
Chief Engineer, Executive Officer,
JOHN HATCH 9Y

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

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

February 17, 1989

Henry Ronell
RR 2, Box 66
Elk Point, SD 57025

Dear Mr. Ronell:

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;

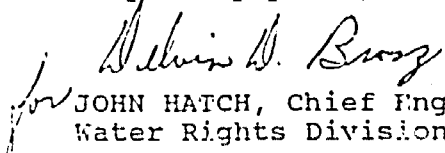


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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

2000 WATER MANAGEMENT BOARD IRRIGATION QUESTIONNAIRE
Please fill out and return before December 1, 2000

2957-3

2957-3
MRS HENRY RONELL
NORMAN RONELL
PO BOX 115
FULLERTON NE 68638 0115

CHANGES TO ADDRESS LABEL, IF ANY:
*Norman Ronell is now owner of
property through a purchase contract.
Telephone No. 308.536.3123

COMPLETE AND RETURN THIS FORM TO THE WATER RIGHTS PROGRAM AT 523 E CAPITOL, PIERRE, SD 57501-3181 (605) 773-3352

1. Is the system constructed? *yes ✓ no

*Type of system used (check all that apply):

center pivots ✓ towlines big gun

flood sprinklers other

2. Did you irrigate in 2000? *yes ✓ **no

*If yes, number of acres irrigated

**If no, list reason(s) in comment section:

3. Source of water:

4. Is land enrolled in CRP? *yes no ✓

*If yes, through what year?

5. Did you apply chemicals or fertilizer through the system in 2000? *yes no ✓

* If yes, a separate chemigation form is NOT needed.

Comment Section:

Office use only



The portion of the form for reporting acres irrigated is on the back of this page. Listed below are two examples of how to complete the form:

EXAMPLE 1: In June & July, 130 acres were irrigated using a pivot system (70 acres of corn & 60 acres of alfalfa). The pump rate of the pivot is 800 gallons per minute and you pumped 8 days (@ 24 hours per day) on the corn and 22 days on the alfalfa:

MONTH	CROP	ACRES	PUMP RATE	# DAYS	AVE/HRS DAY
JUNE	CORN	70	800 GPM	8	24
	ALFALFA	60	800 GPM	10	24
JULY	ALFALFA	60	800 GPM	12	21

EXAMPLE 2: In June, 40 acres of alfalfa were irrigated (using gated pipe @ 3000 gpm) for 5 days - 24 hours per day; 60 acres of beans were irrigated (using big gun @ 380 gpm) for 10 days at 24 hours per day:

JUNE	ALFALFA	40	3000 GPM	5	24
	BEANS	60	380 GPM	10	24

For ease in calculating water use, please specify if actual irrigation hours or kilowatt hours are being reported. For kilowatt hours, include depth to water & system pressure in comment section.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 11, 2000

No. 2957-3

Norman Ronell
PO Box 115
Fullerton NE 68638-0115

Dear Mr Ronell:

The Irrigation Questionnaire which was recently returned to our office indicated you are now the owner of Water Right No. 2957-3. Enclosed is a partially completed "Notice of Transfer" form for use in filing an ownership change on Water Right No. 2957-3. The water right is currently listed in the name of Mrs. Henry Ronell.

The transfer form should be checked over for accuracy and signed by the new owner in the presence of a notary public. Upon completion, return the form to our office with a required filing fee of \$2.50.

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 me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

enclosure

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 2957-3

Date: January 12, 2001

I/We request that Water Right No. 2957-3

formerly owned by: Mrs. Henry Ronell

be transferred to: (name & address)

Norman and June Ronell
PO Box 115 FULLERTON NE. 68138 Telephone No. 308.536.3123

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

136 acre circle located in the SW 1/4 Section 28-T93N-R50W

I/We understand that the validity of Water Right No. 2957-3 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.

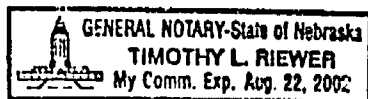
STATE OF SOUTH DAKOTA)

County of Union)

I/We Norman and June Ronell 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.

Norman Ronell June Ronell
(Signed)

Subscribed and sworn to before me this 12th day of January, 2001.



Timothy L. Riewer
(Notary Public)



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 water permit/right.

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

NE 416743

Pierre, January 29, 2001

RECEIVED OF Kortan & Ione Ronell, Box 115, Fullerton NE 68638
the following amount in fees for services rendered as provided for by law: (Mrs. Henry Ronell)

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 2957-3

Fee for Filing Extension Request _____

Fee for _____

2 50

(Any Other Work Provided by Law)

Total

2 50

By Darland Ebel
Chief Engineer

gm



January 30, 2001

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

2957-3

Norman & Ione Ronell
PO Box 115
Fullerton, NE 68638-0115

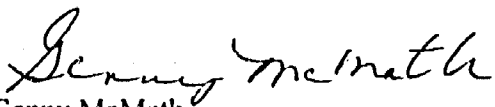
Dear Mr. & Mrs. Ronell:

Thank you for following up on the transfer of ownership for Water Right No. 2957-3. The transfer has been completed and the water right is now listed in your names.

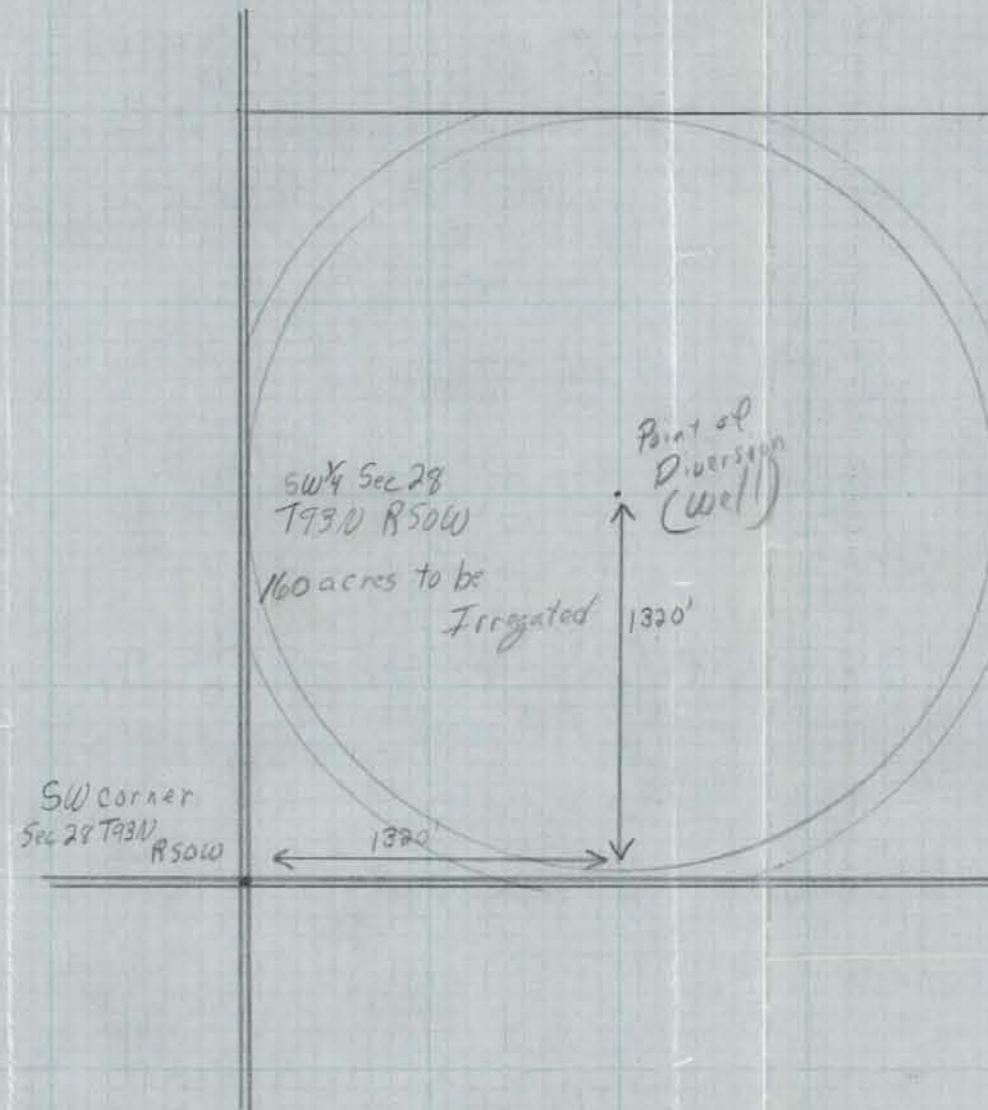
Enclosed is your Receipt No. 416743 in the amount of \$2.50. You may keep this for your records.

If you have any questions concerning the water right, please get in touch with me.

Sincerely,


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

enclosure



N.
8 inches = one Mile

Mrs. Henry Ronell Irrigation Project Elk Point South Dak 58025			
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE			
Designed <u>D. Davis</u>	Date <u>9/7/76</u>	Approved by <u>J.M. Boline</u>	Title <u>SCS Tech</u>
Drawn <u>D. Davis</u>	Date <u>9/7/76</u>	Title <u>9/7/76</u>	
Traced	Sheet	Drawing No.	
Checked	No	of	