

1. Considered: JULY 28 1982 Water Right No. 4912-3
2. Name of Applicant KENNETH HUIZENGA
3. Post Office Address Rt. 2 - HITCHCOCK 57348
4. Amount of Water Claimed No ADD'L (2.28) maximum acre feet
5. Source of Water Supply 60' WELL & 30' DUGOUT
6. Water to be used for IRR. acres to be irrigated No ADD'L (380)
7. County BEADLE about 4 S miles of HITCHCOCK
8. PROOF OF PUBLICATION: Received 7-19-82 Not Received
- APPLICATION: Approved 7-28-82 Subject to WI-1
- Not Approved Action Deferred

PRIORITY

7-1-82

WQ & corrected appl.

WATER  
QUALITY

Dated Received 4-30-82 Application complete-yes / no FEE 150.00

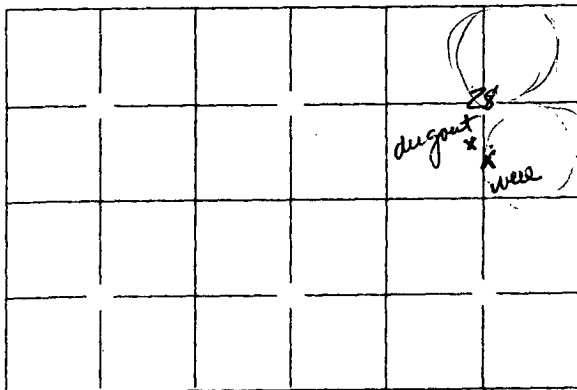
Remarks add'l diversions on Permit # 3263-3

Corrected Application received 7-1-82 Period of Annual Use

Received yes 7/1/82 no APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as application yes no Remarks

Disapproved Returned



Diversion Point

WELL - SW<sup>4</sup>SE<sup>4</sup> & DUGOUT  
in NE<sup>4</sup>SW<sup>4</sup> - SEC. 28 -  
T113N-R63W

Land to be irrigated  
E<sup>1</sup>/<sub>2</sub> NW<sup>4</sup>; NE<sup>4</sup> & SE<sup>4</sup>  
28-113-63

WELL LOG Driller HURON DEL Licensed - yes / no

Depth 60'

Remarks also 150' x 300' dugout

MAP Map No. 2550-3  
4112-3 Map located in Water Right ✓ Map file —  
 Type of Map Aerial Prepared by Jones WRS

+++++

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

7/1/82

Betty Westlund  
 (Signed)

+++++

PROTESTS Letters/Petitions in File - yes \_\_\_\_\_ no \_\_\_\_\_ Remarks \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

REMARKS Date  
 F.F. & C. Final Decision, including F.F. & C. of Law were adopted \_\_\_\_\_  
 OF LAW, Date  
 FINAL Final Decision mailed to parties and/or parties notified that Final Decision was  
 DECISIONS adopted \_\_\_\_\_  
 ETC. Remarks \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

resubmitted  
7-1-82  
11 am  
*Bur*

4112-3  
Map No. 2550-3 Water Division No. 3 No. 4912-3  
JAMES RIVER District  
Above for Office Use 10160006

## APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

Check one of the following:

New \_\_\_\_\_ Vested Right \_\_\_\_\_ Future Use \_\_\_\_\_

Change in Diversion \_\_\_\_\_ Additional Diversion ☒ on 3263-3

Change in Acreage \_\_\_\_\_ Additional Acreage \_\_\_\_\_

1. Name of Applicant Kenneth Huizenga Brothers Phone No. 266-2893  
Post Office Address Route 2 Hitchcock SD 57348  
(Street, RR, or Box) (Town) State (Zip Code)  
If a corporation show date and place of incorporation \_\_\_\_\_

2. Method of accomplishing work (contract, employment of others, or by direct labor) \_\_\_\_\_

3. Name of diversion work Huizenga Supplemental Diversions4. Amount of water claimed (cubic feet per second) no additional5. Source of water supply groundwater - one well and dugout

6. Location of point of diversion 2640'E & 1150'N of SW $\frac{1}{4}$  corner (existing) SW $\frac{1}{4}$  SE $\frac{1}{4}$  (dugout) -  
NE $\frac{1}{4}$  SW $\frac{1}{4}$  both in Section 28, T113N, R63W

County Beadle7. Annual period or periods during which water is to be used April thru October8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation9. For irrigation use, Total number of acres to be irrigated no add'l acreage

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. |
|------------------------------------------------------|----------------|
| E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec 28, T113N, R63W | 80             |
| NE $\frac{1}{4}$ Sec 28, T113N, R63W                 | 140            |
| SE $\frac{1}{4}$ Sec 28, T113N, R63W                 | 160            |

| Land Description | No. Acres Irr. |
|------------------|----------------|
|                  |                |
|                  |                |
|                  |                |
|                  |                |

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 4 years.

11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water DAILY PLAINSMAN  
Huron SD

12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.  
well, pump & motor

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

C. Works proposed to apply water to beneficial use.  
center pivots

Estimated Total Cost \$ \_\_\_\_\_

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 Hughes )ss.

I, Kenneth Huizenga, 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 HuizengaSubscribed and sworn to before me this 1st day of July, 1982

Betty Westlund  
Notary Public (or other qualified officer)  
Water Rights Specialist

WATER RIGHT APPLICATION APPROVAL

The Water Management Board hereby approves Water Right Application No. 4912-3

KENNETH HUIZENGA  
(Applicant)

Route 2, Hitchcock  
(Post Office Address)

South Dakota  
(State) 57348

With the following qualifications

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

This permit is approved subject to the irrigation water use questionnaire being submitted each year.

Land covered under this Permit is also covered under Permit No. 3263-3. Combinations of diversions under the two permits shall not exceed the Statutory limit of 1 c.f.s. for each 70 acres of land to be irrigated.

Date of first receipt of application April 30, 19 82

Date of return to applicant for correction, amendments or changes required \_\_\_\_\_, 19 \_\_\_\_\_

Date of receipt of corrected application & WQ July 1, 19 82

Approved July 28, 19 82, Recorded in Book \_\_\_\_\_ Page \_\_\_\_\_

WATER RIGHT PERMIT NO. 4912-3

The Water Management Board hereby grants and issues this Water Right Permit No. 4912-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is July 1, 19 82
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before January 28, 19 85
3. The whole of said work is to be completed on or before July 28, 19 87
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is July 28, 19 91
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 No add'l cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for irrigation purposes said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied

for irrigation on or before July 28, 19 91, said water to be used during the following described

annual period: April thru October

Witness my hand this 5th day of August, 19 82

THE WATER MANAGEMENT BOARD

By:

John Hatch  
Chief Engineer, Water Rights  
JOHN HATCH

Certificate of Construction Issued \_\_\_\_\_, 19 \_\_\_\_\_

Water License Issued \_\_\_\_\_, 19 \_\_\_\_\_

D Well Information

- (1) Drill Hole, Diameter \_\_\_\_\_, Depth \_\_\_\_\_
- (2) Casing, Type \_\_\_\_\_, Diameter \_\_\_\_\_, Thickness \_\_\_\_\_  
(wood, concrete, steel, etc.)
- (3) Screen, Type \_\_\_\_\_, Diameter \_\_\_\_\_, Length \_\_\_\_\_
- (4) Gravel Pack, Thickness \_\_\_\_\_, Length of gravel pack \_\_\_\_\_

E. Dugout Information or Estimates

- (1) Surface dimensions, 150'x300', Depth 30' (estimated)

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 10'

Depth to bottom of water bearing material 30'

Depth to water (ground surface to water level) 10'

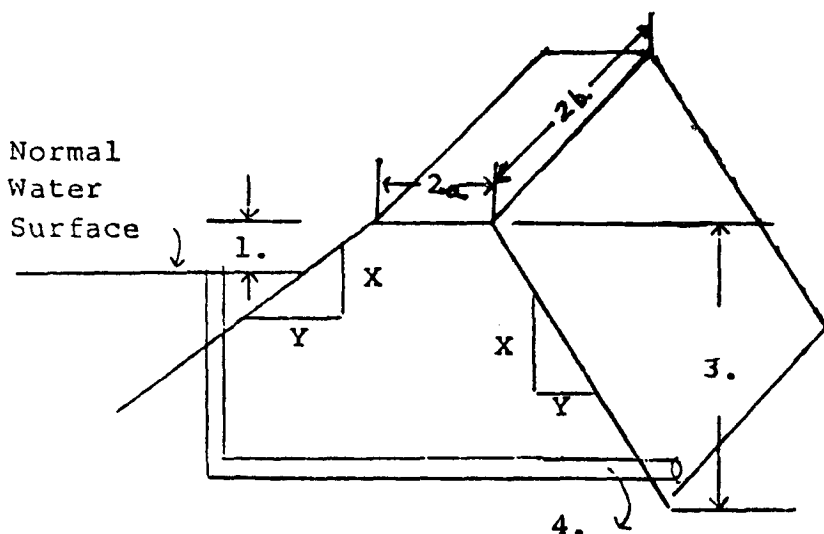
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property 1/2 mile ~~xxx~~ rds.

On property owned by others \_\_\_\_\_ rds.

G Water Storage Dams

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



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

*Kenneth Nijanga*  
Signature of Applicant

D. Well Information

(1) Drill Hole, Diameter 30", Depth SEE ATTACHED LOG  
(2) Casing, Type Plastic, Diameter 16", Thickness 500  
(3) Screen, Type Slotted, Diameter 16", Length 20'  
(4) Gravel Pack, Thickness \_\_\_\_\_, Length of gravel pack \_\_\_\_\_

E. Dugout Information or Estimates

(1) Surface dimensions, \_\_\_\_\_, Depth \_\_\_\_\_

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Attach a copy of test well log)

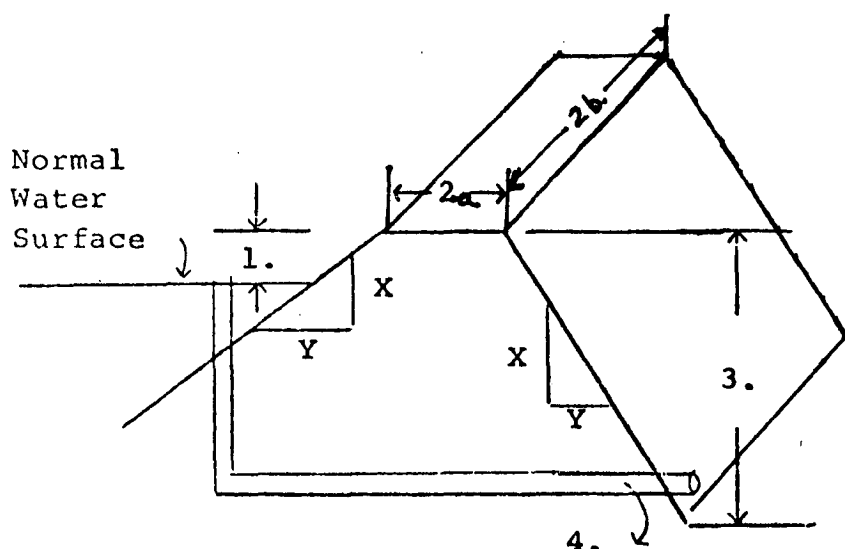
Depth to top of water bearing material 39'  
Depth to bottom of water bearing material 59'  
Depth to water (ground surface to water level) 24'

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

On same owner's property 20 rds.  
On property owned by others 80 rds.

G. Water Storage Dams

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



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

# RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 8822

PIERRE, April 30, 1982

Kenneth Huizenga Route #2, Hitchcock, SD 57348

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

|                                                                                                                |     |    |
|----------------------------------------------------------------------------------------------------------------|-----|----|
| Fee for Application for Permit to Appropriate Water No. 4912-3 (examination, processing, recording and filing) | 150 | 00 |
| Fee for inspecting Construction, and issuing Cert. of Construction No.                                         |     |    |
| Fee for inspecting Beneficial Use, and issuing Water License No.                                               |     |    |
| Fee for issuing Location Certificate-Dry Draw, No.                                                             |     |    |
| Fee for filing                                                                                                 |     |    |
| Fee for certified copy of                                                                                      |     |    |
| Fee for Print copy of map                                                                                      |     |    |
| Fee for Certifying                                                                                             |     |    |
| Fee for (any other work as provided by law)                                                                    |     |    |
| TOTAL                                                                                                          | 150 | 00 |

WATER RIGHTS COMMISSION

By John Hatch  
Chief Engineer, Executive Officer  
JOHN HATCH/ms

blue clay

80-90 blue clay

90-100 blue clay & streaks of medium sand

100-102 blue clay

102-112 medium sand with couple small streaks blue clay - slate -  
took some water

112-120 fine to medium sand - slate - traces of blue clay - little  
water take - hard drilling

7 120-140 blue clay & streaks of medium sand - 4' streak from 128'-132'

Hole # 4

SW-28-113-63

1 0-20 0-2 top soil

2-10 yellow clay

10-17 blue clay

17-20 medium to coarse sand - slate

2 20-40 20-22 coarse sand & small rocks

22-40 medium sand - slate - good water take - some fine sand present

3 40-50 40-41 medium sand

41-50 blue clay

4 50-60 blue clay & small rocks

5 60-80 blue clay & small rocks

Hole # 5

SW-28-113-63

1 0-20 0-4 top soil

4-8 yellow clay & streaks

8-20 fine blue sand with streaks of blue clay

2 20-40 fine to medium sand - some coarse sand & gravel - slate -

some coal - took water

3 40-60 40-45 medium sand - took water

45-55 coarse sand & gravel - took water

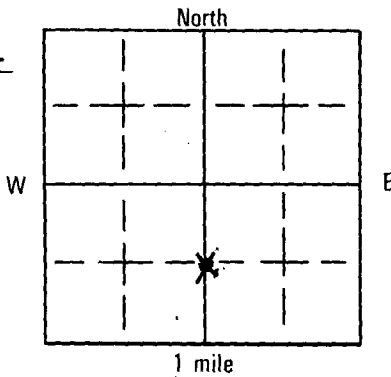
55-60 blue clay

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SW 1/4 Section 28 Twp Albion Rg 63  
East and of 71County Spink Beadle

Please mark well location with an "X"

Well Completion Date 7-9-86

## PROPOSED USE:

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

## Method of Drilling:

Circulation  
Reverse  
Forward Rotary

## CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe \_\_\_\_\_

| PIPEWEIGHT  | DIAMETER        | FROM        | TO           | HOLE DIAMETER |
|-------------|-----------------|-------------|--------------|---------------|
| _____ LB/FT | <u>1 1/2</u> IN | <u>0</u> FT | <u>70</u> FT | <u>28</u> IN  |
| _____ LB/FT | _____ IN        | _____ FT    | _____ FT     | _____ IN      |
| _____ LB/FT | _____ IN        | _____ FT    | _____ FT     | _____ IN      |
| _____ LB/FT | _____ IN        | _____ FT    | _____ FT     | _____ IN      |

## GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 20 FEETWhat is grouting material? cementIf cement, number of sacks? 20

Describe grouting procedure \_\_\_\_\_

What was grout weight? \_\_\_\_\_ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 1 1/2 IN Length 20 FEET

Material \_\_\_\_\_

Slot Size .060 Set From 50 Feet To 70 Feet

Slot Size \_\_\_\_\_ Set From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet

Slot Size \_\_\_\_\_ Set From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet

Other information \_\_\_\_\_

Was a packer or seal used? ☒ YES ☐ NO

If so, what material? \_\_\_\_\_

Describe packer(s) and location? \_\_\_\_\_

Was well disinfected upon completion? ☒ YES ☐ NO

Explain \_\_\_\_\_

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to \_\_\_\_\_

Well Owner:

Name Huizenga Bros.  
Address Hitchcock S. Dak. 57348  
Well Log: \_\_\_\_\_ Depth \_\_\_\_\_

Formation

From

To

|                                      |           |           |
|--------------------------------------|-----------|-----------|
| <u>Top soil</u>                      | <u>0</u>  | <u>10</u> |
| <u>Sand &amp; Coal</u>               | <u>10</u> | <u>15</u> |
| <u>Sand, Clay &amp; Coal</u>         | <u>15</u> | <u>32</u> |
| <u>Coal, med fine sand</u>           | <u>32</u> | <u>38</u> |
| <u>Coarse sand</u>                   | <u>38</u> | <u>42</u> |
| <u>Coarse sand &amp; good gravel</u> | <u>42</u> | <u>56</u> |
| <u>Blue Clay &amp; gravel</u>        | <u>56</u> | <u>62</u> |

STATIC WATER LEVEL 11 Feet

If flowing: closed in pressure \_\_\_\_\_ PSI

GPM flow \_\_\_\_\_ through \_\_\_\_\_ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify \_\_\_\_\_

Can well be completely shut in? \_\_\_\_\_

## WELL TEST DATA:

☒ Pumped☐ Bailed☐ OtherDescribe: line shaft pump

Pumping Level Below Land Surface

38.3 ft. After 530 Hrs. pumped 818 GPM38.4 ft. After 600 Hrs. pumped 818 GPM38.5 ft. After 630 Hrs. pumped 818 GPM

## REMARKS:

This well was drilled under license # 440

And this report is true and accurate.

Drilling firm Shullman Well Drilling

Signature of License Representative:

Rayne Pullman

Signature of Well Owner:

Clayton HuizengaDate 9-4-86

# NOT TO SCALE



Lee B. Hatzke  
Denton, Texas  
WATER RIGHT SPECIALIST  
*Early Neutral* 7/1/82

178-180 L

~~Map #4112-3~~  
See also 3550-3

Appl: 4912-3  
3263-3

*Returned Appl  
Will Submit new?*



April 13, 1982

Kenneth Huizenga  
Hitchcock, SD 57348

Dear Mr. Huizenga:

Enclosed is your copy of the laboratory report of analysis for water samples No. 82-0831 and 82-0832.

I have plotted the approximate quality of your water by means of red crosses in the enclosed chart.

Sample No. 82-0831 is classed as a very high saline, medium sodic water. It is marginally suitable as a source for irrigation due to the presence of a substantial amount of calcium-sulfate salt.

Sample No. 82-0832 is classified as a high saline, high sodic water. This water is of questionable quality due to the relatively heavy sodium-bicarbonate salt load carried by this sample.

The Carthage fine sandy loam and the Houdek-Prosper loams found in the E 1/2 of the NW 1/4 of Sec. 28-113-63 and the W 1/2 of the NE 1/4 of Section 28-113-63 are compatible with the quality of water sample No. 82-0831. However, the Egas and Tetonka silty clay loams located in the E 1/2 of the NW 1/4 should not be developed for irrigation (see enclosed map).

If a salt build-up occurs under irrigation, please contact your county extension agent or this office for assistance.

The soils information and water analyses are being forwarded to the Division of Conservation in Pierre for their action.

Sincerely,

Michael H. Sanders  
Water Quality Lab  
Division of Conservation

MHS:ckb

Enclosures

cc: Division of Conservation

— Division of Water Rights

n Bahl Extension Service

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

Name: HUIZENGA, KENNETH Date Rec'd Apr 07, 1982  
Address HITCHCOCK SD Sample No. 82-0831  
cc: DIV OF CONSERVATION Identification Well  
PIERRE SD 113N 63W 23 D

WATER ANALYSIS

|                              |       |                          |       |           |
|------------------------------|-------|--------------------------|-------|-----------|
| Calcium (Ca)                 | 408   | ppm*                     | 20.36 | me/l**    |
| Magnesium (Mg)               | 77    | ppm                      | 6.33  | me/l      |
| Sodium (Na)                  | 202   | ppm                      | 8.78  | me/l      |
| Potassium (K)                | 33    | ppm                      | 0.84  | me/l      |
| Sulfate (SO4)                | 1210  | ppm                      | 25.19 | me/l      |
| Nitrate (as N)               |       | ppm                      |       | me/l      |
| Chloride (Cl)                | 105   | ppm                      | 2.96  | me/l      |
| Bicarbonate (HCO3)           | 542   | ppm                      | 8.88  | me/l      |
| Carbonate (CO3)              | 0     | ppm                      | 0.00  | me/l      |
| Iron (Fe)                    |       | ppm                      |       | me/l      |
| Flouride (F)                 |       | ppm                      |       | me/l      |
| Manganese (Mn)               |       | ppm                      |       |           |
| Boron (B)                    | 0.92  | ppm                      |       |           |
| Hardness (EDTA asCaCO3)      |       | ppm                      |       | g.p.g.*** |
| Total solids                 |       | ppm                      |       |           |
| Total Cations                |       |                          | 36.32 | me/l      |
| Total Anions                 |       |                          | 37.03 | me/l      |
| Alkalinity (Methyl Orange)   | 444   | ppm(as CaCO3)            |       |           |
| Alkalinity (Phenolphthalein) | 0     | ppm(as CaCO3)            |       |           |
| Electrical Conductivity      | 2800  | micromhos per cm at 25 C |       |           |
| Sodium Adsorption Ratio      | 2.40  | Adjusted SAR             | 7.31  |           |
| Sodium                       | 24.18 | % of Cations             |       |           |
| Residual sodium carbonate    | 0.00  | me/l                     |       |           |
| pH                           | 7.00  |                          |       |           |

Others:

\*ppm=parts per million

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

\*\*me/l=millequivalents per liter

COMMENTS

VALIDATED BY MARTIN GERTONSEN

*Irrigation well*

By: Shirley Mittan

Service Performed:

Total Cost: \$ 28.00

Amount Received: 0.00

Irrigation Analysis

Balance Due: 28.00

Make checks payable to: "SDSU Water Quality Lab"

Please write lab number on your check!

Lab No. 82-0831

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

|         |                        |                |              |
|---------|------------------------|----------------|--------------|
| Name:   | HUIZENGA, KENNETH      | Date Rec'd     | Apr 07, 1982 |
| Address | HITCHCOCK SD           | Sample No.     | 32-0832      |
|         | BILL TO: DIV OF CONSER | Identification | Well         |
|         | [LIVESTOCK WELL, #2]   | 113N 63W 28 C  |              |

WATER ANALYSIS

|                              |       |                          |       |           |
|------------------------------|-------|--------------------------|-------|-----------|
| Calcium (Ca)                 | 104   | ppm*                     | 5.19  | me/l**    |
| Magnesium (Mg)               | 50    | ppm                      | 4.11  | me/l      |
| Sodium (Na)                  | 232   | ppm                      | 10.09 | me/l      |
| Potassium (K)                | 18    | ppm                      | 0.46  | me/l      |
| Sulfate (SO4)                | 425   | ppm                      | 8.85  | me/l      |
| Nitrate (as N)               |       | ppm                      |       | me/l      |
| Chloride (Cl)                | 92    | ppm                      | 2.59  | me/l      |
| Bicarbonate (HCO3)           | 495   | ppm                      | 8.12  | me/l      |
| Carbonate (CO3)              | 0     | ppm                      | 0.00  | me/l      |
| Iron (Fe)                    |       | ppm                      |       | me/l      |
| Flouride (F)                 |       | ppm                      |       | me/l      |
| Manganese (Mn)               |       | ppm                      |       | me/l      |
| Boron (B)                    | 0.58  | ppm                      |       |           |
| Hardness (EDTA asCaCO3)      |       | ppm                      |       |           |
| Total solids                 |       | ppm                      |       | g.p.g.*** |
| Total Cations                |       |                          | 19.85 | me/l      |
| Total Anions                 |       |                          | 19.56 | me/l      |
| Alkalinity (Methyl Orange)   | 406   | ppm(as CaCO3)            |       |           |
| Alkalinity (Phenolphthalein) | 0     | ppm(as CaCO3)            |       |           |
| Electrical Conductivity      | 1800  | micromhos per cm at 25 C |       |           |
| Sodium Adsorption Ratio      | 4.68  | Adjusted SAR             | 12.27 |           |
| Sodium                       | 50.82 | % of Cations             |       |           |
| Residual sodium carbonate    | 0.00  | me/l                     |       |           |
| pH                           | 7.46  |                          |       |           |

Others:

\*ppm=parts per million

\*\*me/l=millequivalents per liter

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

COMMENTS

VALIDATED BY MARTIN GERTONSEN

By: Shirley Mittan

Service Performed:

Irrigation Analysis

Total Cost: \$ 28.00

Amount Received: 0.00

Balance Due: 28.00

Make checks payable to: "SDSU Water Quality Lab"

Please write lab number on your check!

Lab No. 32-0832



# Department of Water & Natural Resources

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

April 24, 1987

Clayton Huizenga  
Rt. 2 Box 15-A  
Hitchcock, SD 57348

Dear Mr. Huizenga:

On April 8, 1987, I inspected your irrigation systems which were constructed for Water Permits 3263-3 and 4912-3. These permits cover acreage in Section 28, T113N, R63W. Before your permits can be licensed, there are two discrepancies which must be cleared up.

Permit 3263-3 described a well in the SE1/4 NE1/4 of Sec. 28. However, this well is actually in the NE1/4 NE1/4. Permit 4912-3 accounts for a dugout and a well. Instead, you developed two wells and no dugout. This new permit application accounts for the correct location of the first well and the addition of the second well instead of the dugout. The application is for an amendment permit for which there is a \$50.00 processing fee.

You also have a Water Permit No. 4871-3 which covers 110 acres on the E1/2 of Sec. 23, T113N, R62W. The time limit for construction on this permit expired on April 7, 1987. However, I am of the understanding that you may wish to have the permit reinstated. If this is so, you have until April 7, 1990 to reinstate the permit. Please inform our office as to your plans in this matter.

Please review the enclosed application, make any additions or corrections, and sign both copies. After you have returned the notarized copies and fee to our office, we can then continue with the process of licensing your permits. If you have any questions, please contact our office.

Sincerely,

A handwritten signature in cursive script that reads "James L. Wendte".

James L. Wendte  
Natural Resources Engineer  
605 773-3352

enc

*to be disapproved 4/1/82*

*South Dakota*  
*Department of Agriculture*

Department of Agriculture

DIVISION OF CONSERVATION

Anderson Building, Room 322 O Pierre, South Dakota 57501  
Phone 605/773-3258

IRRIGATION PROGRAM: 773-3259

Date: April 28, 1982

Kenneth Huizenga  
Hitchcock, SD 57348

*Defered*

*Betty*

Dear Mr. Huizenga:

NOTICE OF HEARING

RE: E $\frac{1}{2}$  NW $\frac{1}{4}$  28; W $\frac{1}{2}$  NE $\frac{1}{4}$  28; = 160 acres - Additional Diversion

A hearing before the Conservation Commission regarding your soil-water compatibility application is scheduled on May 6, 19 82 in Conference Room 303 of the Department of Agriculture, Anderson Building, Pierre, South Dakota 57501 at 1:00 (a.m. / p.m.)

This hearing is held pursuant to the South Dakota Administrative Procedures Act and the authority granted in SDCL 46-5-6.2 through 46-5-6.8, inclusive, which gives the Conservation Commission the power to issue an irrigation permit before a water right may be obtained. (ARSD 12:08 contains the rules and regulations which must be complied with for an irrigation permit to be issued.)

The Division has recommended a disapproval on your application; this action may be changed by the Commission. This is the issue before the Commission at the hearing. If you are going to appear for the hearing you must attend an informal meeting with the Irrigation Program, Room 303, Anderson Building at least 1 hour prior to the hearing time, or at an earlier date favorable to both parties.

The Commission has the right to sustain or overrule the decision of the Division of Conservation. If the Division's recommendation is sustained by the Commission, your application will be disapproved. If the Commission overrules the Division's recommendation, your application will be conditionally approved. If disapproved, you will not receive an irrigation permit, and therefore, you will not be able to obtain a water right for irrigation purposes. If conditionally approved, you will receive a conditional irrigation permit and water right. Violations of these conditions will result in a revocation of the irrigation permit and water right.

This hearing is an adversary proceeding; you have the following rights at the hearing: to be present, to be represented by a lawyer. These and other due process rights will be forfeited if not exercised at the hearing. The decision based on the hearing may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If you plan on appearing before the Commission, please contact this office; either by telephone - 773-3259 or by writing to the Division of Conservation, Irrigation Program, Anderson Building, Pierre, South Dakota 57501 at least 2 days in advance of the hearing date.

Sincerely,

*Martin Dertson*  
Program Director  
Irrigation Program  
Division of Conservation

Enclosure: Disapproval Form

*Appl needs to be corrected also if approved.*

DISAPPROVAL FORM  
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
DIVISION OF CONSERVATION

NAME: Kenneth Huizenga

ADDRESS: Hitchcock, SD COUNTY: Beadle

LEGAL DESCRIPTION: E1 NW1 28; W1 NE1 28; = 160 acres - Additional Diversion

REASON FOR DISAPPROVAL:

Sodium ~~level~~ <sup>salinity</sup> excessively high.

Martin Dentonson  
SIGNATURE

4/30/82  
DATE

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

Division of Conservation

Office Use Only

3046

WR#

OWNERS NAME: Kenneth Huizenga OWNERS ADDRESS: Hitchcock, SD 57384

COUNTY LAND LOCATED IN: Beadle PHONE: (605) 266-2893

TENANT'S NAME AND ADDRESS:

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

1. WELL LOCATION SW<sup>1</sup> SE<sup>4</sup> 28-113-63

Depth 60'

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: Dugout = NE<sup>1</sup> SW<sup>1</sup> 28-113-63

Diversion Location

| Legal Description                              | Acres     | Legal Description                              | Acres      |
|------------------------------------------------|-----------|------------------------------------------------|------------|
| <u>SE<sup>1</sup> NE<sup>1</sup> 28-113-63</u> | <u>40</u> | <u>NE<sup>1</sup> SE<sup>1</sup> 28-113-63</u> | <u>40</u>  |
| <u>SW<sup>1</sup> NE<sup>1</sup> 28-113-63</u> | <u>40</u> | <u>SE<sup>1</sup> NE<sup>1</sup> 28-113-63</u> | <u>40</u>  |
| <u>NE<sup>1</sup> NE<sup>1</sup> 28-113-63</u> | <u>40</u> |                                                |            |
| <u>SW<sup>1</sup> NE<sup>1</sup> 28-113-63</u> | <u>40</u> |                                                |            |
| <u>NE<sup>1</sup> SW<sup>1</sup> 28-113-63</u> | <u>40</u> |                                                |            |
| <u>SE<sup>1</sup> SW<sup>1</sup> 28-113-63</u> | <u>40</u> |                                                |            |
| <u>SW<sup>1</sup> SE<sup>1</sup> 28-113-63</u> | <u>40</u> | <b>TOTAL ACREAGE OF</b>                        | <b>400</b> |
| <u>NE<sup>1</sup> SE<sup>1</sup> 28-113-63</u> | <u>40</u> |                                                |            |

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED 1976

LEGAL DESCRIPTION: NE<sup>1</sup> 28-113-63, NW<sup>1</sup> 28-113-63, SE<sup>1</sup> 28-113-63

IN WHAT NAME:

4. LOCATION OF AREA TO BE IRRIGATED NOTE: **SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)**

OTHER:

5. TYPE OF IRRIGATION: GRAVITY: \_\_\_\_\_ TOWLINE: \_\_\_\_\_ CENTER PIVOT: XX GUN: XX (Specify) \_\_\_\_\_

6. CROPS TO BE IRRIGATED: Corn, Alfalfa, Small Grain

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

7. WATER SAMPLE NUMBER: 82-0831

10. ADJUSTED (SAR): 5.12

8. SALINITY (EC X 10<sup>6</sup>): 2800

11. PERCENT SODIUM 24.18

9. SODIUM (SAR): 2.40

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at 2 a.m./p.m., on April 3, 1982, at the following location: SW<sup>1</sup> SE<sup>4</sup> 28-113-63 by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

Signature

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

1st DAY OF July, 19 82

(NOTARY PUBLIC)

APPLICANT'S SIGNATURE

Director, Division of Conservation

Date

APPROVED

DISAPPROVED

X CONDITIONALLY APPROVED

**IMPORTANT**  
Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER RIGHT must be obtained from the Board of Water Management, Foss Building, Pierre.

Conditional soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

No. 4912-3

Publish first publication, on or before July 9, 1982

NOTICE OF HEARING ON  
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

July 2, 1982

Notice is hereby given Kenneth Hulzenga whose post office

address is Rt 2, Hitchcock, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9; 46-1-12 thru 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-25, 46-5-41 ~~(ground)~~ 46-6-3 thru 46-6-5, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, ~~(future use) 46-5-38, (transfer lands) 46-5-33 thru 46-5-35 and Board Rules ARSD 74:02:01:01 thru 74:02:01:15, (future use) 74:02:01:29 thru 74:02:01:26 (10,000 AFA) 74:02:07:01 thru 74:02:07:03~~, for a permit to appropriate for beneficial use

~~no additional~~ cubic feet of water per second of time from groundwater (well and dugout)  
add additional  
through the Hulzenga Supplemental Diversion to /, the point (s) of diversion on an existing permit  
~~is~~ (are) to be located ~~in the~~ from a well in the SW $\frac{1}{4}$  SE $\frac{1}{4}$  and a dugout in the NE $\frac{1}{4}$   
SW $\frac{1}{4}$  both in

of Section 28, Twp. 113N, Range 63W. Said water to be used for purpose of providing irrigation on portions of the following described land:

E $\frac{1}{2}$  NW $\frac{1}{4}$ ; NE $\frac{1}{4}$  and SE $\frac{1}{4}$ , Section 28, T113N, R63W (acreage covered under existing permit)

This Application No. 4912-3 will be considered by the Water Management Board at

Civil Defense Room, State Capitol Bldg., Pierre SD upon the 23th day of July, 1982

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

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

For the Water Management Board

cc: applicant

BETTY WESTLUND, Water Rights Specialist

WNR-806-2/82

Form 8 - Proof of Publication - Notice of  
Intent to Appropriate Water

No. \_\_\_\_\_

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )  
County Beadle ) ss.

I, June La Fee hereby

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

Water was taken from the Huron Daily Plainsman

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 Huron

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

July 9, 16, 1982

June La Fee  
(Signature)

Bookkeeper  
(Title)

7-9-82  
(Date Signed)

Cost of Printing: \$47.20

8X(2)2.95 = 167.20  
P. 1982

NOTICE OF HEARING  
ON APPLICATION TO  
APPROPRIATE WATER  
Pierre, South Dakota 57501  
July 2, 1982

Notice is hereby given  
Kenneth Huizenga, whose post  
office address is Rt. 2, Hitch-  
cock, South Dakota, has made  
an application in accordance  
with the provisions of SDCL 46-  
1-1 thru 46-1-9; 46-1-12 thru 46-1-  
14; 46-2-9 thru 46-2-11, 46-2-13;  
46-5-1 thru 46-5-8, 46-5-10 thru 46-  
5-22, 46-5-25, 46-5-41, 46-6-3 thru  
46-6-5, 46-6-6.1, 46-6-10, 46-6-13,  
46-6-14, and Board Rules ARSD  
74:02:01:01 thru 74:02:01:15, for  
a permit to appropriate for  
beneficial use no additional  
cubic feet of water per second of  
time from groundwater (well  
and dugout) through the  
Huizenga Supplemental  
Diversion to add additional  
points of diversion on an exist-  
ing permit which are to be  
located from a well in the SW¼  
SE¼ and a dugout in the NE¼  
SW¼ both in Section 28, Twp.  
113N, Range 63W. Said water to  
be used for purpose of providing  
irrigation on portions of the  
following described land:

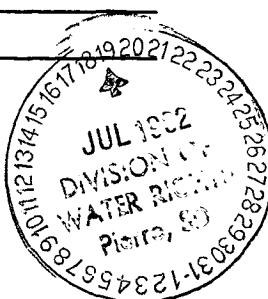
E½ NW¼; NE¼ and SE¼,  
Section 28, T113N, R63W  
(acreage covered under exist-  
ing permit).

This Application No. 4912-3  
will be considered by the Water  
Management Board at the Civil  
Defense Room, State Capitol  
Bldg., Pierre SD upon the 28th  
day of July, 1982, at 10 A.M. The  
Board is authorized to make a  
determination on this appli-  
cation at the hearing. All in-  
terested persons may appear  
and be heard. Any person who  
may be affected by a Board  
decision who desires to present  
evidence or cross-examine wit-  
nesses according to SDCL 1-26  
may notify the Board in writing  
prior to the hearing or orally at  
the hearing.

This hearing is an adversary  
proceeding. Any person has the  
right to be present or to be rep-  
resented by a lawyer. These and  
other due process rights will be  
forfeited if they are not exer-  
cised at the hearing. Decisions  
of the Board may be appealed to  
the Circuit Court and the State  
Supreme Court as provided by  
law.

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

For the  
Water Management Board  
Betty Westlund  
Water Rights Specialist  
No. 314 (adv.)





# Department of Agriculture

## DIVISION OF CONSERVATION

Anderson Building, Room 322

Pierre, South Dakota 57501

Phone 605/773-3258

July 7, 1983

Kenneth Huizenga  
Rt 2, Box 10  
Hitchcock, SD 57348

Dear Mr. Huizenga:

Per our discussion by telephone on June 22, 1983, and your letter dated June 30, 1983 concerning the change of a dugout to a well as your source for irrigation. I shall advise the State Conservation Commission of this change, and that the well will meet the requirements of: no additional CFS, no additional land, is within a 2,000 foot radius of the sampled well, and will be in the same aquifer as the dugout.

Thank you for your cooperation, and your informing the irrigation staff of this change. I believe your actions have eliminated confusion which may have occurred at a future date.

Sincerely,

Jim Stukel  
Irrigation Program Director

cf

cc: Division of Water Rights





# Department of Water & Natural Resources

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

WATER RIGHTS DIVISION  
(605) 773-3352

3263-3  
4871-3  
4912-3

June 26, 1985

Kenneth Huizenga  
Route #2, Box 10  
Hitchcock, South Dakota 57348

Dear Mr. Huizenga:

This letter is in reference to the 1984 Irrigation Questionnaires you submitted and the notation you made as to ownership changes. I was unable to determine from the notation you made, which permits should be transferred. The following is a listing of your permits and the lands they cover.

Permit No. 3263-3: 400 acres -  $N\frac{1}{2}$  &  $SE\frac{1}{4}$   
Section 28, T113N, R63W  
Diversion Point:  $SE\frac{1}{4}NE\frac{1}{4}$  Section 28

Permit No. 4871-3: 110 Acres -  $S\frac{1}{2}NW\frac{1}{4}$  &  $SW\frac{1}{4}NE\frac{1}{4}$   
Section 23, T113N, R62W  
Diversion Point: Center of Section 23

Permit No. 4912-3: Same acreage as 3263-3  
Diversion points: Well  $SW\frac{1}{4}SE\frac{1}{4}$   
Dugout -  $NE\frac{1}{4}SW\frac{1}{4}$ , both in Section 28, T113N, R63W

You had indicated that certain lands were now owned by Huizenga Brothers, Monte Huizenga or Kirk and Greg Huizenga. Please check over the above legal descriptions and specify which permit(s) belongs to whom. Transfer forms will be forwarded to the appropriate party upon receipt of your reply.

Your assistance in this matter will be appreciated. A postage paid envelope is enclosed for your reply. If you have any questions, please contact us.

Sincerely,

Genny McMath  
Natural Resources Analyst

GM:ms

*7/11/85 Kenneth Huizenga in office - transfer all to  
Huizenga Brothers and list each name.  
Send forms.*



# Department of Water & Natural Resources

Joe Foss Building  
523 East Capitol  
Pierre, South Dakota 57501

Division of Water Rights  
605 773-3352

No. 4912-3  
4871-3  
3263-3

July 12, 1985

Huizenga Brothers  
RR#2  
Hitchcock, South Dakota 57348

Dear Sirs:

Please find enclosed <sup>copies</sup> ~~a copy~~ of a Notice of Transfer of Water Permit forms. This form must be signed by the owner before a notary and returned to this office with a filing fee of \$2.50, for each transfer, total of \$7.50.

Upon receipt of the enclosed form and the \$2.50 filing fee, for each, total of \$7.50 the permit will be transferred to the proper name. 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.

Please advise if you have any questions.

Sincerely,

Maxine Stirling  
Staff Assistant

ms/  
Enc.3

## NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights  
Foss Building  
Pierre, SD 57501

Date: 7-17-85

This is to notify you that the title to the lands described as follows:

400 Acres- N $\frac{1}{2}$  & SE $\frac{1}{4}$  Section 28, T113N, R63W

formerly owned by Kenneth Huizenga  
Huizenga Brothers, RR#2, Hitchcock, SD 57348  
has been transferred to (Clayton, Monte, Kirk, Greg and Kenneth Eugene)  
(please include complete mailing address)  
together with any rights to the beneficial use of water thereon as evidenced by

Water Right Permit No. 4912-3 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Div. of Water Rights, Water Management Board as evidence of the change of ownership.

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

STATE OF SOUTH DAKOTA )  
County of Beadle ) ss.

I, Huizenga Bros Clayton Huizenga 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 I know of my own personal knowledge that the information herein stated is true.

Clayton Huizenga  
(Signed)

Subscribed and sworn to before me this 17<sup>th</sup> Day of July, 19 85

[Signature]  
(Notary Public)  
Commission Expires 5-17-91



# RECEIPT

Division of Water Rights

No 410122

South Dakota Department of Water and Natural Resources

Pierre, July 18, 1985

RECEIVED OF Huizenga Brothers, RR#2, Hitchcock, SD 57348 (Clayton, Monte, Kirk, Greg & Kenneth Eugene  
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. \_\_\_\_\_ to Appropriate Water, to construct works and to put water to beneficial use \_\_\_\_\_

Fee for Application for Permit No. \_\_\_\_\_ to Appropriate Water for Future Use \_\_\_\_\_

Fee to retain Future Use Permit No. \_\_\_\_\_ after period of seven years.

Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. \_\_\_\_\_

Fee for Filing Transfer Form 4912-3 \_\_\_\_\_

Fee for Filing Extension Request \_\_\_\_\_

Fee for Certified Copy of \_\_\_\_\_

Fee for Print Copy of Map \_\_\_\_\_

Fee for Certifying \_\_\_\_\_

Fee for \_\_\_\_\_

(Any Other Work Provided by Law)

Total

2 50

By

Chief Engineer

JOHN HATCH



# Department of Water & Natural Resources

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

Water Rights Division  
(605) 773-3352

3263-3  
4871-3  
4912-3

July 22, 1985

Kenneth Huizenga  
Huizenga Brothers  
RR#2,  
Hitchcock, South Dakota 57348

Dear Mr. Huizenga:

Enclosed are receipt Nos. 4-10122, 4-10123 and 4-10124 in the amount of \$2.50 each (total of \$7.50) which you paid for transfer of Water Right Nos. 4912-3, 3263-3 and 4871-3.

Sincerely,

Maxine Stirling  
Staff Assistant

ms/  
Enc.



# Department of Water & Natural Resources

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

DEC 19 1988

3263-3  
4912-3  
4912A-3

Clayton Huizenga  
Huizenga Brothers  
RR #2 Box 15A  
Hitchcock, SD 57348

Dear Mr. Huizenga:

Enclosed is Water License No. 4912A-3. This is the final water right document completing your process of obtaining a Water Right. The applicable portions of Water Permit Nos. 3263-3 and 4912-3 were incorporated into this Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 4912-A-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer  
Water Rights Division  
(605) 773-3352

enclosures

