

Transferred

Date of Application

Office Address

Amount of Water claimed

Source of Water supply

Water to be used for

Acres to be irrigated

Water to be diverted and used in

about

Proof of Publication

Application

Application

Application

Application

Application

Application

Application

Application

Application

Water Right Number 2232-3

1. Considered 3-24 19 77  
2. Name of Applicant GREENWOOD COLONY  
3. Post Office Address DELMONT  
4. Amount of Water claimed 4.10  
5. Source of Water supply 30' WELL  
6. Water to be used for IRR.

Acres to be irrigated 290.0

7. Water to be diverted and used in CHAS. MIX County  
about 10N, 2E miles 1st of WAGNER

8. Proof of Publication

Received

Not Received

Approved

Subject to

Not Approved

Action Deferred

10. Remarks:

No. 2232-3Map No. 11626-3 Water Division No. 3 MISSOURI RIVER  
(Blanks to be Filled by the Engineer for the W. H. C.)

## APPLICATION FOR PERMIT

STATE WATER RIGHTS DIVISION  
SOUTH DAKOTA

## To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Greenwood Colony by Joe Glanzer  
Postoffice address Dalmon, State South Dakota

If a corporation show date and place of incorporation \_\_\_\_\_

2. Method of accomplishing work (contract, employment of others, or by direct labor) Direct Labor3. Name of diversion work Greenwood Colony Irrigation Project #14. Amount of water claimed (cubic feet per second) 4.15. Source of water supply well6. Location of point of diversion 2885' N 115' W at Northeast corner of  
Sec 14-47-63County Douglas7. Annual period or periods during which water is to be used May through October8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation9. For irrigation use, Total number of acres to be irrigated 296

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. |
|-------------------------------------------------|----------------|-------------------------------------------------|----------------|
| NW <sup>4</sup> of NW <sup>4</sup> Sec 14-47-63 | 39             | NW <sup>4</sup> of NE <sup>4</sup> Sec 14-47-63 | 39             |
| NE <sup>4</sup> of NW <sup>4</sup>              | 39             | NE <sup>4</sup> of NE <sup>4</sup>              | 39             |
| SW <sup>4</sup> of NW <sup>4</sup>              | 40             | SW <sup>4</sup> of NE <sup>4</sup>              | 17             |
| SE <sup>4</sup> of NW <sup>4</sup>              | 40             | SE <sup>4</sup> of NE <sup>4</sup>              | 39             |

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use Three years.11. Choice of newspaper for Notice of Intent to Appropriate Water publication Dalmon Record

12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source

Well - Turbine pump electrically driven

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

closed conduit - Pipe

C. Works proposed to apply water to beneficial use.

Underground Irrigation SystemEstimated Total Cost \$ 40,000Attachments: 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 BaughmanI, Joe Glanzer, 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 Joe GlanzerSubscribed and sworn to before me this 15<sup>th</sup> day of February, 19 75

Notary Public (or other qualified officer)

# WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2232-3  
GREENWOOD COLONY DELMONT  
 (Applicant) (Post Office Address)  
SOUTH DAKOTA 57330 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 18, 19 75  
 Date of return to applicant for correction, amendments or changes required \_\_\_\_\_, 19 \_\_\_\_  
 Date of receipt of corrected application MARCH 7, 19 75  
 Approved MARCH 22, 19 77, Recorded in Book 17 Page 302  
 WATER RIGHT PERMIT NO. 2232-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2232-3 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 18, 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 24, 19 79
3. The whole of said work is to be completed on or before MARCH 24, 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 24, 19 85
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 2.28 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 24, 19 85; said water to be used during the following described annual period: MAY THRU OCTOBER

Witness my hand this 18<sup>TH</sup> day of APRIL, 19 77

WATER RESOURCES COMMISSION

By:

John F. Hahn  
 Chief Engineer, Executive Officer

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

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

TELEPHONE 779-2545  
or John F., 779-2445  
Terry G., 779-2805

POST OFFICE BOX  
No. 157

## GROSZ DRILLING COMPANY

STATE WATER RIGHTS COMPANY  
SOUTH DAKOTA

"Guarantee Water or No Pay - - - Guarantee Pay or No Water"



Greenwood Colony  
Delmont, S. D.

Delmont, S. Dak. 57330

January 27, 1975

Test hole 43 ft. 12-12-74 west end of section)

8 ft. yellow clay. Good hard sand to 31 ft.

A little mud. Blue clay to 43 ft.

Test hole 43 ft. 12-19-74 100 ft. east of other well.

8 ft. yellow clay. Good sandy gravel - not much  
mud to 29. Blue clay. Just a few rocks and  
sand streaks.

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 20", Depth 30'  
(2) Casing, Type Steel Diameter 12" Thickness 1/2"  
(wood, concrete, steel, etc)  
(3) Perforated Screen.  
Type Continuous slot, Diameter 12", Length 10'  
(4) Gravel Pack. Thickness 4", Length of gravel pack 20'

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 see attached sheet

Depth to top of water bearing material 9'  
Depth to bottom of water bearing material 29'  
Thickness of water bearing material 20'  
Depth to water (ground surface to water level) 8'

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

On same owner's property None in property rds. On property owned by others 240 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.

Greenwood Colony  
By Fred S. Lange  
Signature of Applicant

STATE CONSERVATION COMMISSION  
SUPPORTING INFORMATION  
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE  
WITH SDCL 46-6-2 AS AMENDED  
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE OF  
Irrigation System: \_\_\_\_\_  
Water Quality: \_\_\_\_\_  
Soils Capability: \_\_\_\_\_  
Approved: [Signature]  
3/4/25  
Disapproved: \_\_\_\_\_

NAME: GREENWOOD Colony

ADDRESS: DELMONT, S. DAK.

COUNTY: Douglas

LEGAL DESCRIPTION

1. WELL LOCATION: NW 1/4, NE 1/4 Sec 14 97-63 CHARLES MIX County

2. AREA TO BE IRRIGATED: ALL of North 1/2 Sec. 14 97-63  
APPROXIMATELY 300+ ACRES.

TYPE OF IRRIGATION

3. GRAVITY \_\_\_\_\_ SPRINKLER (Indicate Type): CENTER PIVOT

4. CROPS TO BE IRRIGATED: CORN

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0 to 5%

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Slow Fine Sandy loam

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 75-018

8. SALINITY: EC = 1259  $\mu$ mhos/cm (high)

9. SODIUM: SAR = 2.00 (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

and:

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

Greenwood Colony  
By God Elmer

Subscribed and sworn before me this

7th day of January 19 75.

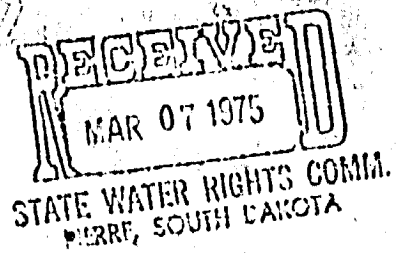
Wilma Haller

County Auditor

(Title)

Advertise - Delmont Record - Delmont, S. D.

Phone - Greenwood Colony - 779-5221



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

Submitted by: Eda Glenzer  
 Address: Greenwood Colony  
Delmont, SD 57330

Date Rec'd: January 10, 1975  
 Sample No. 75-018  
 Identification NW 1/4 NE 1/4 Sec 14  
T 97 N R 63 W

**WATER ANALYSIS**

|                                       |       |                             |      |           |
|---------------------------------------|-------|-----------------------------|------|-----------|
| Calcium (Ca)                          | 75    | ppm*                        | 3.75 | me/l**    |
| Magnesium (Mg)                        | 54    | ppm                         | 4.43 | me/l      |
| Sodium (Na)                           | 93    | ppm                         | 4.04 | me/l      |
| Potassium (K)                         | 8     | ppm                         | 0.22 | me/l      |
| Sulfate (SO <sub>4</sub> )            | 350   | ppm                         | 7.29 | me/l      |
| Nitrate (as N)                        |       | ppm                         |      | me/l      |
| Chloride (Cl)                         | 15    | ppm                         | 0.43 | me/l      |
| Bicarbonate (HCO <sub>3</sub> )       | 427   | ppm                         | 7.00 | me/l      |
| Carbonate (CO <sub>3</sub> )          |       | ppm                         |      | me/l      |
| Iron (Fe)                             |       | ppm                         |      | me/l      |
| Fluoride (F)                          |       | ppm                         |      | me/l      |
| Hardness (EDTA as CaCO <sub>3</sub> ) |       | ppm                         |      | g.p.g.*** |
| Alkalinity (Methyl Orange)            | 350   | ppm (as CaCO <sub>3</sub> ) |      |           |
| Alkalinity (Phenolphthalein)          | 0     | ppm (as CaCO <sub>3</sub> ) |      |           |
| Electrical Conductivity               | 1259  | micromhos per cm at 25° C.  |      |           |
| Sodium Adsorption Ratio               | 2.00  |                             |      |           |
| Sodium                                | 32.47 | % of cations                |      |           |
| Residual sodium carbonate             | 0.00  | me/l                        |      |           |
| pH                                    | 7.37  |                             |      |           |
| Others:                               |       |                             |      |           |

\*ppm=parts per million  
 \*\*me/l=milliequivalents per liter

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

COMMENTS: Total cations 12.44 me/l  
 Total anions 14.71 me/l

By: Shirley Kitten

| Service Performed   | Amount Due |
|---------------------|------------|
| Irrigation analysis | 6.00       |

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-018

Amount Enclosed \$

Signed

STATE CONSERVATION COMMISSION  
SUPPORTING INFORMATION  
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE  
WITH SDEL 46-6-3 AS AMENDED

(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: \_\_\_\_\_

Water Quality: \_\_\_\_\_

Soils Capability: \_\_\_\_\_

Approved: 10/5/84

Disapproved: \_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

COUNTY: \_\_\_\_\_

LEGAL DESCRIPTION

1. WELL LOCATION: Douglass - NW 1/4, NE 1/4 Sec. 22, 97-62

2. AREA TO BE IRRIGATED: 10 acres in NW corner.

TYPE OF IRRIGATION

3. GRAVITY ☐

SPRINKLER (Indicate Type): Center pivot

4. CROPS TO BE IRRIGATED: Garden - vegetables, etc.

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: \_\_\_\_\_

0-5%

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Barren silt loam

(County agent info. from soils map)

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: \_\_\_\_\_

74-899

8. SALINITY: \_\_\_\_\_

EC = 1978 - high

9. SODIUM: \_\_\_\_\_

Sodium Adsorption Ratio = 0.64 (low)

No residual carbonate

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

County Extension Agent  
and:

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

Greenwood Colony  
By Joe S. Senger

Subscribed and sworn before me this

27th day of January 19 75

Wilma Haller

County Auditor

(Title)

# REPORT OF ANALY

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

Submitted by: Joe Glanzer  
Address: Greenwood Colony  
Belmont, SD 57330

Date Rec'd October 24, 1974  
Sample No. 74-899  
Identification 71

## WATER ANALYSIS

|                                       |      |                              |       |           |
|---------------------------------------|------|------------------------------|-------|-----------|
| Calcium (Ca)                          | 400  | ppm*                         | 20.00 | me/l**    |
| Magnesium (Mg)                        | 82   | ppm                          | 6.72  | me/l      |
| Sodium (Na)                           | 54   | ppm                          | 2.35  | me/l      |
| Potassium (K)                         | 13   | ppm                          | 0.34  | me/l      |
| Sulfate (SO <sub>4</sub> )            | 938  | ppm                          | 19.50 | me/l      |
| Nitrate (as N)                        |      | ppm                          |       | me/l      |
| Chloride (Cl)                         | 19   | ppm                          | 0.53  | me/l      |
| Bicarbonate (HCO <sub>3</sub> )       | 386  | ppm                          | 6.32  | me/l      |
| Carbonate (CO <sub>3</sub> )          |      | ppm                          |       | me/l      |
| Iron (Fe)                             |      | ppm                          |       | g.p.g.*** |
| Fluoride (F)                          |      | ppm                          |       |           |
| Hardness (EDTA as CaCO <sub>3</sub> ) | 316  | ppm (as CaCO <sub>3</sub> )  |       |           |
| Alkalinity (Methyl Orange)            | 0    | ppm (as CaCO <sub>3</sub> )  |       |           |
| Alkalinity (Penolphthalein)           | 1978 | microns:hos per cm at 25° C. |       |           |
| Electrical Conductivity               | 0.64 | % of cations                 |       |           |
| Sodium Adsorption Ratio               | 7.99 | me/l                         |       |           |
| Sodium                                | 0.00 |                              |       |           |
| Residual sodium carbonate             | 7.88 |                              |       |           |
| pH                                    |      |                              |       |           |
| Others:                               |      |                              |       |           |

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

\*ppm=parts per million  
\*\*me/l=milliequivalents per liter

COMMENTS: Total cations 29.41 me/l  
Total anions 26.35 me/l

Please fill in the enclosed questionnaire and return with your payment.

By: Shirley Ritten

Amount Due

Irrigation analysis

\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 74-899

Amount Enclosed

Signed

April 29, 1975

Mr. Joe Glanzer  
Greenwood Hutterian Brethren Association  
DeMont, South Dakota 57330

Dear Mr. Glanzer:

Your Water Right Application No. 2232-3 proposes to divert up to 4.1 cubic feet per second of ground water (a 30 foot deep well) to irrigate up to 290 acres in the NW of Section 14, T97N, R63W. This proposed irrigation is adjacent to the SE of Section 11, T97N, R63W, and the Water Rights Commission on March 19, 1975 authorized a ground water irrigation system to be constructed on this SE, Section 11, T97N, R63W.

Because of existing low water table conditions, and because more information is needed about the existing irrigation and diversion of water, four water right applications proposing irrigation from this same shallow aquifer have been placed in a temporarily deferred status by the Water Rights Commission since January of 1975.

Your Water Right Application No. 2232-3 will be brought to the attention of the Water Rights Commission on May 21, 1975. As has been indicated to you, because of low water table conditions and because of a need to learn more of the effects of the existing and authorized diversions, the recommendation of the Commission Staff will be that your water right application be placed in a temporary deferred status prior to the advertising step.

Sincerely,

DONALD DRISCOLL  
Chief Engineer  
Water Rights Commission

DD/bw

No. 2232-3Publish first publication, on or before March 10, 1977**NOTICE  
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

March 10, 1977Greenwood Colony

Notice is hereby given that

whose post office address is Delmont, 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 use4.1 cubic feet of water per second of time from the around water through the Greenwood Colony # 1, the point of diversion of which is to be located in theCenter of N $\frac{1}{4}$ of Section 14, Twp. 27N, Range 23W. Said water to be used for the purpose of providing irrigation on the following described land:N $\frac{1}{4}$ , Section 14-T27N-R23W

This application No. 2232-3 will be considered by the Water Rights Commission at their office at Pierre upon the 24 day of March, 1977, at 11:00 A. M. All interested persons may appear and be heard.

**WATER RIGHTS COMMISSION**

By: JAMES WINTERTON

Water Rights Specialist

BFJ/bw

cc: Greenwood Colony, Delmont, S. Dak. 57530

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )

County Douglas ) ss.

I, Maynard H. Gackring hereby

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

Water was taken from the Deerfoot Record

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 Deerfoot

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

March 10 & 17 th. 1977

Maynard H. Gackring  
(Signature)

Owner  
(Title)

March 16, 1977  
(Date Signed)

NOTICE  
INTENT TO  
APPROPRIATE WATER

Pierre, South Dakota 57501  
March 4, 1977

Notice is hereby given that  
Greenwood Colony, whose post  
office address is Deerfoot, South  
Dakota, has made an application  
in accordance with the provisions  
of the water laws of South Da-  
kota for a permit to appropriate  
for beneficial use 4.1 cubic feet  
of water per second of time  
from ground water through the  
Greenwood Colony #1, the point  
of diversion of which is to be  
located in the center of N1/2  
of Section 14, Twp. 97N, Range  
63W. Said water to be used for  
the purpose of providing irriga-  
tion on portions of the following  
described land:

N1/2, Section 14-T97N-R63W

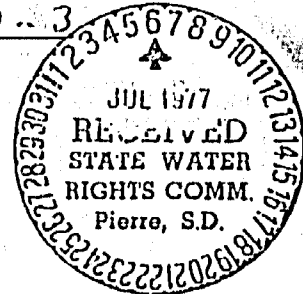
This application No. 2232-3  
will be considered by the Water  
Rights Commission at their of-  
fice at Pierre upon the 24th  
day of March, 1977, at 11:00  
A.M. All interested persons may  
appear and be heard.

WATER RIGHTS COMMISSION  
By: JAMES WINTERTON  
Water Rights Specialist



Form 10.

No. 2232-3



NOTICE OF COMPLETION OF WORKS AND/OR  
APPLICATION OF WATER TO BENEFICIAL USE

Post Office Delmont So Dak.

Date 6-2-77

TO: Water Rights Commission  
Joe Foss Building  
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 2232-3

Water Right Permit No. 2232-3 states that the diversion system is to be constructed by 5-20, 1977 and that the water is to be put to beneficial use by 6-30, 1977.

The diversion system was completed on 5-29, 1977. Applying the water to beneficial use was completed on 5-29, 1977.

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

Greenwood Farmer's Coop  
By Joe Glanger  
(Signature)

# NOT TO SCALE

0 NC

97-63

5

1

5.5

132.6

12.8

106.0

7.5

(3-L) (N27)

Transferred To

Douglas Co.

5.5

10.0

(18.6)

y

9.0

68.8 T1365

70.6

T1400

y  
NC

135.0

97-63

2

NC

y

NC

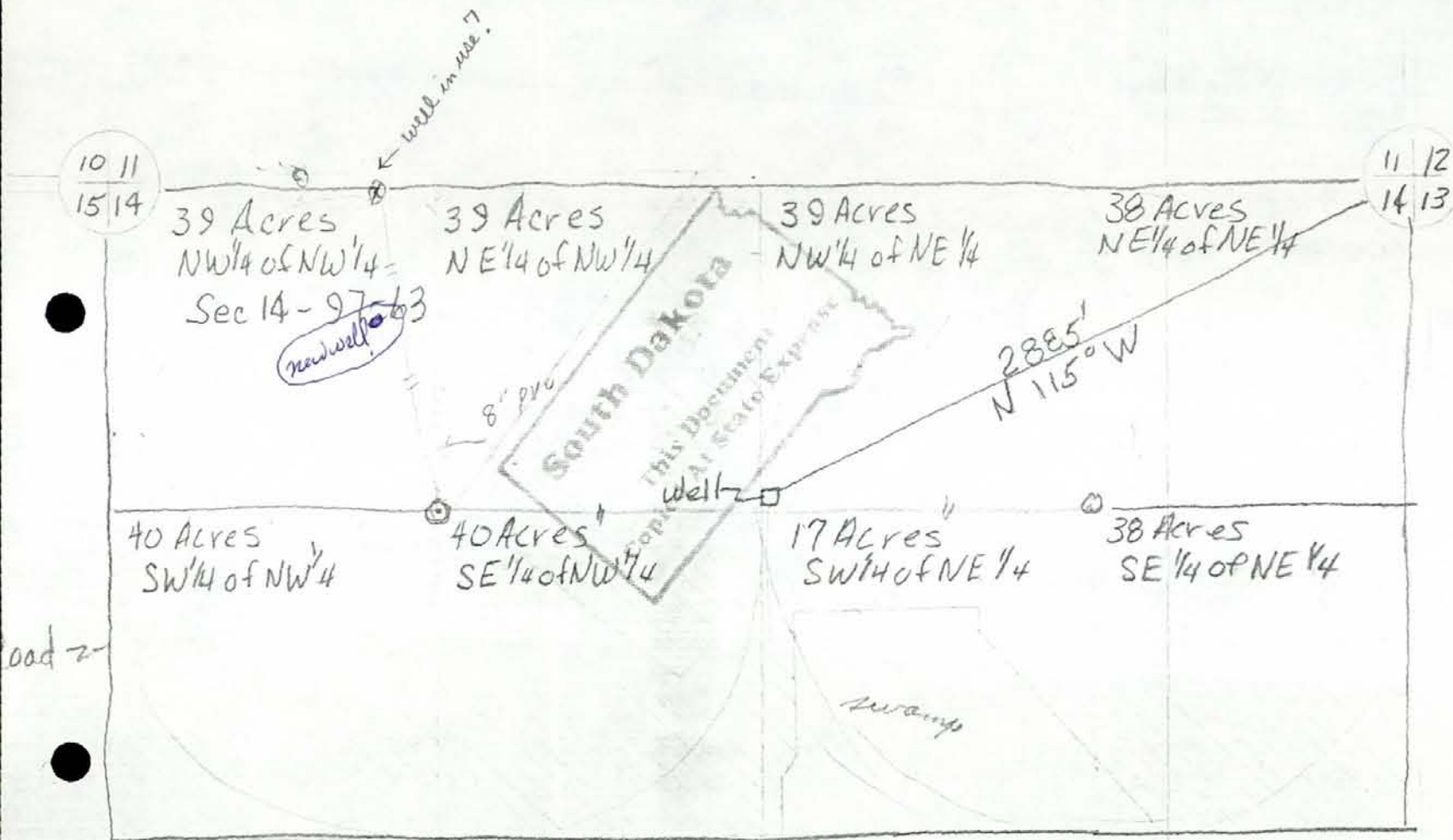
y

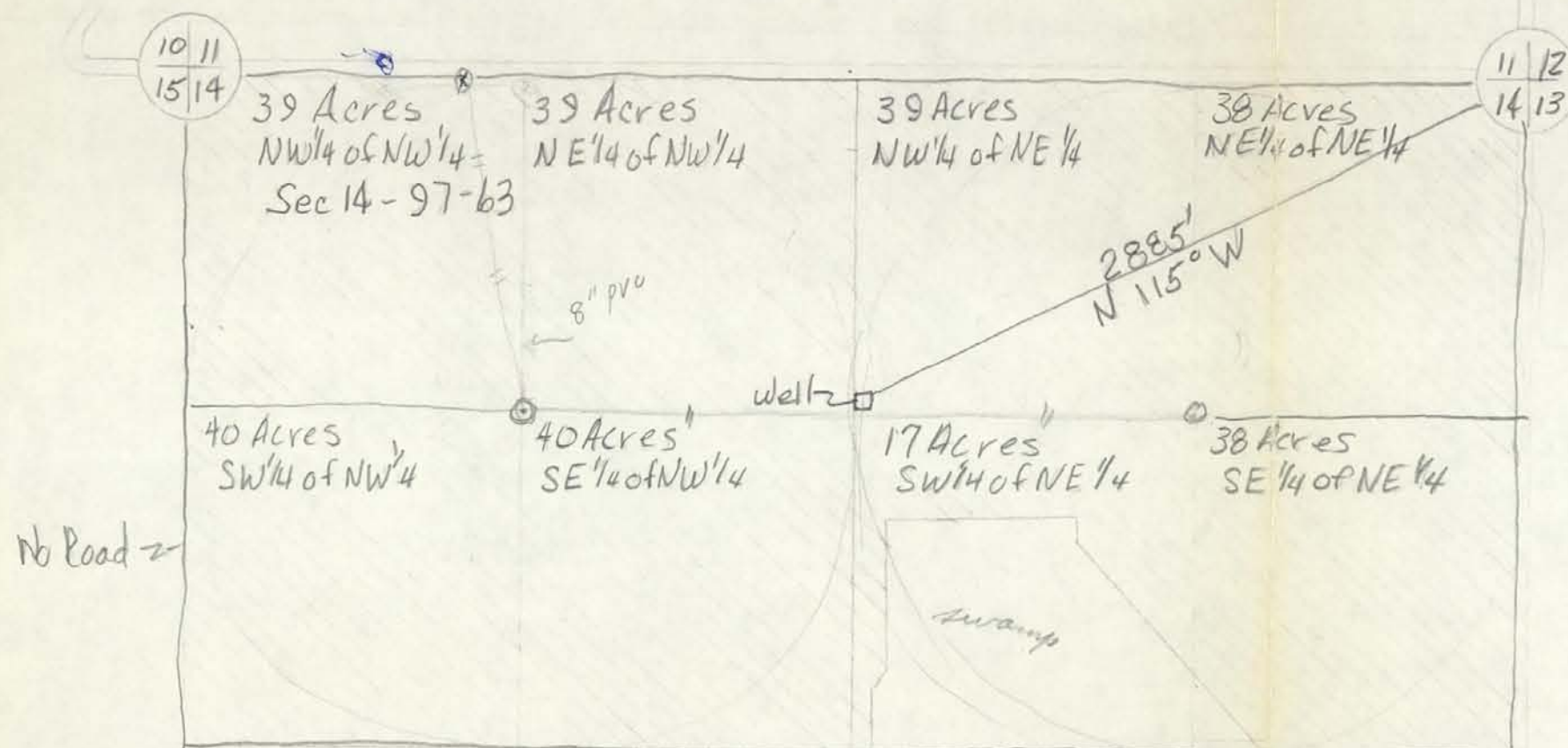
y NC

NC

y

# GREENWOOD COLONY





# GREENWOOD COLONY

IRRIGATION PROJECT NO. 1

Joe Glander - MGR

DeMont S. Dak

Douglas County

Point of Diversion - 2885' N 115° W of NE corner  
of Section 14-97-63

Cross-hatch indicates irrigated area

Water Claimed - 4,1 cfs



Scale - 8" = 1 Mile

| Land to be Irrigated          | Acres      |
|-------------------------------|------------|
| NW 1/4 of NW 1/4 Sec 14-97-63 | 39         |
| NE 1/4 of NW 1/4 Sec 14       | 39         |
| SW 1/4 of NW 1/4 Sec 14       | 40         |
| SE 1/4 of NW 1/4 Sec 14       | 40         |
| NW 1/4 of NE 1/4 Sec 14-97-63 | 39         |
| NE 1/4 of NE 1/4 Sec 14       | 38         |
| SW 1/4 of NE 1/4 Sec 14       | 17         |
| SE 1/4 of NE 1/4 Sec 14       | 38         |
| <b>Total Acres</b>            | <b>290</b> |

## Surveyor's Certificate

I, John L. Wiersma, do hereby certify that  
this is a reasonably accurate record  
of the land of:

Greenwood Colony

DeMont S. Dak

Douglas County

Drawn by J. L. W.

Feb. 12, 1975

John L. Wiersma

P.E. # 1210

DeMont S. Dak

~~MANITOWISH~~ APPX NO 2232-3