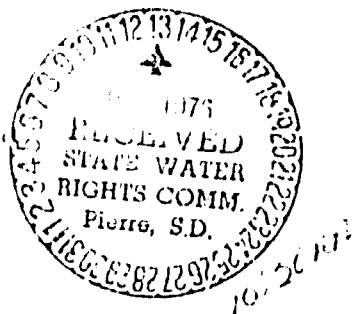


Water Right Number 3415-3

1. Considered 1-26, 19 77
2. Name of Applicant MELVIN WEITING
3. Post Office Address HITCHCOCK
4. Amount of Water claimed 2.22
5. Source of Water supply 75' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 200
7. Water to be diverted and used in SPRING BEADLE County
about 35, 56 miles of HITCHCOCK
8. Proof of Publication
Received 1-18-77
Not Received _____
Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
10. Remarks:

No. 3415-3
 Map No. 2697-3 Water Division No. 3 JAMES 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 Melvin G. Wieting
 Postoffice address Hitchcock, State South Dakota 57348
 If a corporation show date and place of incorporation _____
 2. Method of accomplishing work (contract, employment of others, or by direct labor) contract and direct labor
 3. Name of diversion work 2.25
 4. Amount of water claimed (cubic feet per second) WIETING #1
 5. Source of water supply Ground Water
 6. Location of point of diversion SW 1/4 NW 1/4 Sec 21, 113-62
 _____ County Beadle
 7. Annual period or periods during which water is to be used April through October
 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 200

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 1/4 of NW 1/4 Sec 21, 113-62	20	NW 1/4 of SW 1/4 Sec 21, 113-62	40
SW 1/4 of NW 1/4 Sec 21, 113-62	40	SW 1/4 of SW 1/4 Sec 21, 113-62	--
SE 1/4 of NW 1/4 Sec 21, 113-62	40	SE 1/4 of SW 1/4 Sec 21, 113-62	--
NE 1/4 of NW 1/4 Sec 21, 113-62	20	NE 1/4 of SW 1/4 Sec 21, 113-62	40

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 2 years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication Daily Plainsman
 12. Principal Features of the Proposed Water Supply System.

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

Bow1 pump

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

Main line

C. Works proposed to apply water to beneficial use.

Center pivot

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 Beadle) s.

I, Melvin G. Wieting 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 Melvin G. WietingSubscribed and sworn to before me this _____ day of _____, 1913

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3415-3
MELVIN G. NIETING HITCHCOCK
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57348 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 DECEMBER 13, 19 76
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application DECEMBER 19, 19 76
 Approved JANUARY 26, 19 77, Recorded in Book 17 Page 159
 WATER RIGHT PERMIT NO. 3415-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3415-3 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 DECEMBER 13, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 26, 19 79
3. The whole of said work is to be completed on or before JANUARY 26, 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 26, 19 84
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 2.22 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 JANUARY 26, 19 84; said water to be used during the following described annual period: APRIL THEN OCTOBER

Witness my hand this 11TH day of APRIL, 19 77

WATER RIGHTS COMMISSION

By:

John Hatten
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 32", Depth 75
- (2) Casing, Type Stainless steel Diameter 16" Thickness
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Stainless steel, Diameter 16", Length 30'
- (4) Gravel Pack, Thickness 8", Length of gravel pack 75'

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 1' - 26' Clay
26-36 fine sand 26-75 sand and gravel
36-66 gravel 75 - clay
66-75 Fine sand

Depth to top of water bearing material 26'

Depth to bottom of water bearing material 75'

Thickness of water bearing material 49

Depth to water (ground surface to water level) 26'

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

On same owner's property 100 rds. On property owned by others 320+ rds.

G. Water Storage Dams.

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

Margaret Kitting
Signature of Applicant

NOTICE OF WELL CONSTRUCTION

Location of well: N.W. 1/4 N.E. 1/4 111 Section 27 Township 113 Range 42
Well owner: Walter Melvin W. Melvin
(Name) (Address)
Date well drilling completed: Jan 26-77 Purpose of well: irrigation
(domestic, irrigation, municipal, industrial, other)

[illegible]

Attach sheet if more space is needed

Company name and size of pump National Pump Co. HP 15
Type of pump Aurora Capacity of installed pump 400 G.P.M.
Depth of pump placement 100 ft., Date of pump installation Mar-30-76

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Russell - Dilling
Name of Pump Installation Contractor

CONSERVATION
COMMISSION
FORM W1 (1)

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Melvin G. Wieting

ADDRESS Hitchcock, South Dakota 57348

COUNTY Beadle



LEGAL DESCRIPTION

1. WELL LOCATION NW 1/4 Sec 21, 113-62

2. LOCATION OF AREA TO BE IRRIGATED NW 1/4 and SW 1/4 Sec 21, 113-62

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____

4. CROPS TO BE IRRIGATED Alfalfa and corn

WATER QUALITY

5. SAMPLE NUMBER 76-2012

6. SALINITY (EC X 10⁶) 1944 (high)

7. SODIUM (SAR) 3.21 (low-medium)

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 Beadle 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.

Melvin G. Wieting
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
8 DAY OF December 19 76.

Dick Nelson - Beadle Conservation District Sec.
(TITLE OR SEAL)

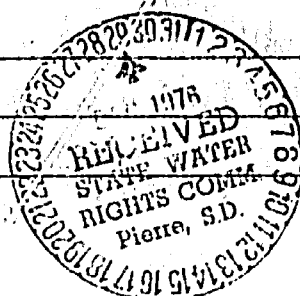
Shirley J. Haffner
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

CONSERVATION
COMMISSION
FORM W1 11

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Melvin G. Wisting
ADDRESS Mitchcock, South Dakota 57348
COUNTY Beadle



LEGAL DESCRIPTION

1. WELL LOCATION 1/4 Sec 21, 113-62
2. LOCATION OF AREA TO BE IRRIGATED 1/4 and 3/4 Sec 21, 113-62

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ _____ GUN _____
4. CROPS TO BE IRRIGATED Alfalfa and corn

WATER QUALITY

5. SAMPLE NUMBER 76-2012
6. SALINITY (EC x 10⁶) 1944 (high)
7. SODIUM (SAR) 3.21 (C - med)
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 Beadle 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.

Melvin G. Wisting
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
8 DAY OF November, 19 76.

Rich Kohn - Beadle Conservation
(TITLE OR SEAL) Dist. - Sec.

Albert J. Hoffarth
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: Elvin Wioting
 Address: Hitchcock, SD 57348

Date Rec'd December 13, 1976
 Sample No. 76-2012
 Identification Well-
17W2, Sec. 21, T 113N, R 62W

WATER ANALYSIS

Calcium (Ca)	209	ppm*	10.45	me/l**
Magnesium (Mg)	52	ppm	4.26	me/l
Sodium (Na)	200	ppm	8.70	me/l
Potassium (K)	7	ppm	0.18	me/l
Sulfate (SO ₄)	610	ppm	12.69	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	89	ppm	2.49	me/l
Bicarbonate (HCO ₃)	503	ppm	8.24	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)	412	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1944	micronhos per cm at 25° C.		
Sodium Adsorption Ratio	3.21			
Sodium	36.88	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.59			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 23.59 me/l
 Total anions 23.42 me/l

By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$8.00

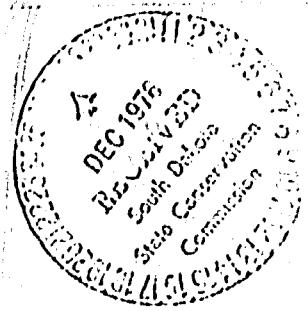
Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-2012

Amount Enclosed \$

Signed



December 22, 1976

Mr. Melvin G. Wieting
Hitchcock, SD 57348

Dear Mr. Wieting:

Your water sample (Lab. No. 76-2012) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

I am also enclosing a copy of AES pamphlet #13 for your use. The quality of your water for irrigation use is plotted approximately by means of the red cross in the chart on the outside back cover.

This water is marginal for use on the soils you intend to irrigate and should be considered for use only under the following conditions:

(1) It will be used no more than 3 times (preferably less) in any growing season.

(2) The soil will be completely filled with water so natural leaching can occur, by irrigating in the late fall just before freeze-up, at least one year out of 3.

(3) Water applications will be made each irrigation to completely re-wet the entire depleted soil within the rooting zone of the crop being grown. This may require 3-5 inches of water each irrigation with fine soils.

(4) If a salt problem or soil dispersion occurs, contact extension personnel or this office for management recommendations.

Sincerely yours,

L. O. Fino

L. O. Fino
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

P.S. Soil area 16 must be avoided and not irrigated at all costs. Areas 18 and 29A should be either drained ahead of time or avoided also. It just will not be feasible--salt rise, drowning crops, getting stuck, etc.

Form 6 - Notice of Intent to Appropriate Water

No. 3415-3

Publish first publication, on or before January 3, 1977

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 3, 1977

Notice is hereby given that Melvin G. Wissing
whose post office address is Hick Brook, 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

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

SW 1/4

of Section 21, Twp. 113N, Range 362W. Said water to be used for the purpose
of providing irrigation on the following described land:

NW 1/4, N 1/2, SW 1/4, Section 21, T113N, R62W

This application No. 3415-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 26th day of January, 1977, at 12:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Melvin G. Wissing, Hick Brook, South Dakota 57348

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

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County _____)

Brennan H. Bussett hereby

Water was taken from the Arizoni Valley Plain

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 London

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

Jan 10, 1977

JAN 17, 1977


(Signature)

Dockeeper
(Title)

1-17-77
(Date Signed)

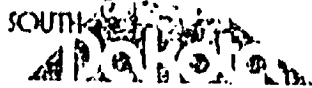
F.P. 1-10-77 L.P. 1-17-77
NOTICE INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
January 5, 1977

January 3, 1971
Notice is hereby given that Melvin G. Wieling whose post office address is Hitchcock, 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 2.22 cubic feet of water per second of time from ground water through the Wieling No. 1, the point of diversion of which is to be located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 21, Twp. 113N, Range 62W. Said water to be used for the purpose of providing irrigation on portions of the following described land: NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, Section 21, T113N, R62W.

This application No. 3-15-3 will be considered by the Water Rights Commission at their office at Pierre upon the 26th day of January, 1977, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION
BURTON F. JONES
Water Rights Specialist
P. 14 (adv.)





Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/773-3151

June 22, 1979

Helvin G. Wieting
Hitchcock, SD 57348

Dear Mr. Wieting:

SDCL 46-1-14 authorizes the Water Rights Commission to issue amended permits recognizing the date of priority of the original application if certain conditions are met.

At the May 24, 1979 Commission Meeting, the Commission reviewed the amended Permits that had been issued with the later priority, and granted the earlier priority date to such amended permits.

By this action, the priority date for your Permit No. 4308-3 was established as December 13, 1976 instead of July 24, 1978 as now shows on your copy of the Permit.

If you have questions regarding this action, feel free to contact this office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/gy

South Dakota Department of
Water & Natural Resources

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

DEC 19 1988

4308-3

Melvin G. Wieting
RR 1, Box 121
Hitchcock, South Dakota 57348

Dear Mr. Wieting:

Enclosed is Water License No. 4308-3. This is the final water right document completing your process of obtaining a Water Right.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 4308-3, 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

NOTE: The applicable portions of Water Permit No. 3415-3 have been incorporated into Water License No. 4308-3.

