

1. Considered 3-24, 19 77
2. Name of Applicant RICHARD SCHEMM
3. Post Office Address GERING, NEB.
4. Amount of Water claimed 1.90
5. Source of Water supply 210' WELL
6. Water to be used for IRR
- Acres to be irrigated 133
7. Water to be diverted and used in TODD County
about 11 S, 3 E miles of MISSION
8. Proof of Publication Received 3-14-77
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action Deferred _____

10. Remarks:



No. 1561-2Map No. 1322-2 Water Division No. 2 KEVANA RIVER District _____
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

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

1. Name of Applicant Richard Schemm
Postoffice address #3 Oakwood Grove, Gering, State Nebraska
If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) contract
3. Name of diversion work None
4. Amount of water claimed (cubic feet per second) 1.9
5. Source of water supply well
6. Location of point of diversion None

County Todd

7. Annual period or periods during which water is to be used May 15th thru Sept 15th
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 133

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 SW 1/4 26-37-28	40		
NE 1/4 SW 1/4 26-37-28	40		
SW 1/4 SW 1/4 26-37-28	40		
SE 1/4 SW 1/4 26-37-28	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 5 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Todd Co. Tribune
12. Principal Features of the Proposed Water Supply System.

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

Irrigation Well

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

Center Pivot

C. Works proposed to apply water to beneficial use.

Sprinkling SystemEstimated Total Cost \$55,000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)STATE OF ~~SOUTH DAKOTA~~ NebraskaCounty of Scotts BluffI, Richard E. Schemm 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 constructionSigned Richard E. SchemmSubscribed and sworn to before me this 14th day of February 19 77Geraldine R. Huth
General Notary
State of NebraskaGeraldine R. Huth
Notary Public (or other qualified officer)

My commission expires Sept. 8, 1980

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 1551-2
RICHARD SCHEMM #3 OAKWOOD GROVE, GERING
 (Applicant) (Post Office Address)
NEBRASKA 69341 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 17, 19 77
 Date of return to applicant for correction, amendments or changes required —, 19 —
 Date of receipt of corrected application —, 19 —
 Approved NOVEMBER 30 19 77, Recorded in Book 19 Page 169

WATER RIGHT PERMIT NO. 1551-2

The Water Rights Commission hereby grants and issues this Water Right Permit No. 1551-2 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 17, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 30, 19 80
3. The whole of said work is to be completed on or before NOVEMBER 30, 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 30, 19 82
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 1.9 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 NOVEMBER 30, 19 82; said water to be used during the following described annual period: MAY 15 - SEPTEMBER

Witness my hand this 6TH day of DECEMBER, 19 77

WATER RIGHTS COMMISSION

By:

John Halch
 Chief Engineer, Executive Officer

Certificate of Construction Issued —, 19 —

Water License Issued —, 19 —

INVESTIGATION COMPANY, INC

1000 N. 10TH ST., OMAHA, NEBR. — O'NEILL, NEBR.

Amount due and payable in 90 days
 have been made for the completion of the

Date _____

Address _____

26 F 37 R 28

TEST LOG

Description	Footage	Description
	0 - 2	top soil
	2 - 14	magnesian + sandstone
	14 - 15	limestone
	15 - 22	mag + sandstone
	22 - 28	Mag + sandstone
	28 - 42	hard + sandstone
	42 - 57	hard + sandstone
	57 - 61	hard
	61 - 63	hard
	63 - 70	clay + sandstone
	70 - 72	clay + sandstone
	72 - 104	compact + sandstone
	104 - 122	clay + sandstone
	122 - 126	sandstone
	126 - 131	clay + sandstone
	131 - 137	clay + sandstone
	137 - 140	clay + sandstone
	140 - 145	clay + sandstone
	145 - 154	clay + sandstone
	154 - 174	sandstone
	174 - 186	clay + sandstone
	186 - 190	clay
	190 - 193	sandstone
	193 - 206	red rock
	206 - 227	red rock

Customer's Signature

Richard [Signature]

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 210'
- (2) Casing, Type steel (wood, concrete, steel, etc) Diameter 16" Thickness 1/4"
- (3) Perforated Screen.
Type Punched, Diameter 1 1/2 in, Length 2 in long
- (4) Gravel Pack, Thickness 7 in, Length of gravel pack 100 ft

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 Course PePPER sand

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

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

On same owner's property _____ 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, 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.

Richard E. Schumm

Signature of Applicant

OK

February 1, 1977

Mr. Richard E. Schemm
#3 Oakwood Grove
Gering, NB 69341

Dear Mr. Schemm:

Your water sample (Lab. No. 77-121) 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.

Your water, as indicated by this analysis, is satisfactory for use on the soils you indicate will be irrigated. If a salt problem or a water table problem should develop, contact extension personnel for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

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 Richard E. Schemm

ADDRESS #3 Oakwood Grove Gering, Nebraska 69341

COUNTY Todd Co. So. Dak.

LEGAL DESCRIPTION

1. WELL LOCATION SW26-37-28
2. LOCATION OF AREA TO BE IRRIGATED Approximately 132 acres located in the SW26-37-28

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 77-121
6. SALINITY (EC X 10⁶) 3.17 (medium)
7. SODIUM (SAR) 0.15 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.92

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 Todd 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.

Geraldine R. Huth
General Notary
State of Nebraska

My commission expires Sept. 6, 1980

SUBSCRIBED AND SWORN BEFORE ME THIS
DAY OF January 17 19 77.

Geraldine R. Huth
(TITLE OR SEAL)

Richard E. Schemm
APPLICANT'S SIGNATURE

Albert J. Haff
APPROVED

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

Submitted by: Richard E. Schemm
Address: #3 Oakwood Grove
Gering, Nebraska 69341

Date Rec'd: January 24, 1977
Sample No. 77-121
Identification: Well-
SW1, Sec. 26, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	52	ppm*	2.60	me/l**
Magnesium (Mg)	1	ppm	0.08	me/l
Sodium (Na)	4	ppm	0.17	me/l
Potassium (K)	8	ppm	0.21	me/l
Sulfate (SO ₄)	10	ppm	0.21	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.04	me/l
Bicarbonate (HCO ₃)	220	ppm	3.60	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	180	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	317	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.15			
Sodium	5.55	% of cations		
Residual sodium carbonate	0.02	me/l		
pH	7.61			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 3.06 me/l
Total anions 3.85 me/l

By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$15.00
	- 8.00 paid
	\$7.00 DUE

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-121

Amount Enclosed \$

Signed

No. 1551-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Dodd) ss.

I, Lennette Giam hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Dodd County Tribune

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

town of Mission

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

March 10, 1977
March 17, 1977

Lennette Giam
(Signature)

Bookkeeper
(Title)

March 10, 1977
(Date Signed)

Notice of Intent to
Appropriate Water

Notice is hereby given that
Richard Schemm whose post
office address is Gering, Nebras-
ka, has made an application in
accordance with the provisions
of the water laws of South Dakota
for a permit to appropriate for
beneficial use 1.9 cubic feet of
water per second of time from
ground water through the
Schemm No. 1, the point of
diversion of which is to be
located in the center of SW 1/4 of
Section 26, Twp. 37N, Range 28W.
Said water to be used for the
purpose of providing irrigation
on portions of the following
described land: SW 1/4, Section 26,
T37N, R28W.

This application No. 1551-2 will
be considered by the Water
Rights Commission at their
office at Pierre upon the 24th day
of March, 1977, at 10:00 a.m. All
interested persons may appear
and be heard.

WATER RIGHTS
COMMISSION

By: James Winterton
Water Rights Specialist

Publ.: March 10 and 17.



No. 1551-2Publish first publication, on or before March 10, 1977NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

March 4, 1977

Notice is hereby given that Richard Schemm
whose post office address is Gering, Nebraska, 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

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

center of SW 1/4

of Section 26, Twp. 37N, Range 28W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW 1/4, Section 26, T37N, R28W

This application No. 1551-2 will be considered by the Water Rights Commission at their office at
Pierre upon the 24th day of March, 1977, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

~~BURTON E. JONES~~
~~XXXXXXXXXXXX~~ JAMES WINTERKIN
Water Rights Specialist

BFJ/bw
cc:

Richard Schemm, # 3 Oakwood Grove, Gering, NB 69341

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office 3000 Broadway, Pierre, S.D. 57501Date Aug. 14, 1978TO: 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. 1551-2.

Water Right Permit No. 1551-2 states that the diversion system is to be constructed by Nov, 1979 and that the water is to be put to beneficial use by Nov, 1979.

The diversion system was completed on June 20, 1978.
Applying the water to beneficial use was completed on June 20, 1978.

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.



Richard E. Schuman
(Signature)

August 27, 1979

Richard Schemm
#3 Oakwood Drive
Gering, NE 69341

Dear Mr. Schemm:

Your notice of Completion of Works and Application of Water to Beneficial Use under Water Right Permit No. 1551-2 was received August 24, 1979. (copy enclosed).

We will endeavor to schedule an inspection of your project as soon as possible. However, because of prior work commitments there may be a considerable time interval.

You have thus far complied with all of the requirements and the intervening time between your notifying this office and the performance of the inspection will not affect the completing of your Water Rights

Should you have future questions, please feel free to contact this office.

Sincerely,

Karen Wernsmann
Administrative Secretary

kw

enclosure

**Department of
Water & Natural Resources**

Jon Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 1551A-2

1551-2

DEC 20 1985

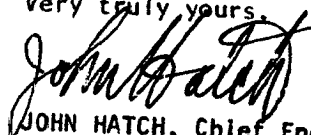
Richard Schemm
2001 E. 27th St.
Scottsbluff, Nebraska 69361

Dear Mr. Schemm:

Enclosed herewith is, Water License No. 1551A-2. This is the final water right document completing your process of obtaining a water right.

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.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division

JH:ms

Enclosures

Applicable portions of Water Permit No. 1551-2 have been incorporated into this Water License No. 1551A-2.

WNR-817 3/83
Transmittal of Water License

94.0

(1-43)

PRELIMINARY PLAN MAP

Todd County Extension Service
Todd Co., So. Dak.

Map Scale $\frac{1}{8}$ " equals 1 mile

Date: 2-8-77

Prepared by Carroll Schending
Todd Co. Extension Agent

Prepared for G. C. Schemm

88.3

26

28.8

26.6

17.0

18.6

16.0

18.6

18.0

20.7

18.6

19.8

29.9

25.9

32.7

24.2

21.0

23.6

Richard
Schemm

X

37-28

MAP NO 13222 APPC NO 1551-2