

Water Right Number 4027-3

1. Considered 7-27, 19 77
2. Name of Applicant IVAN ZOCHERT
3. Post Office Address WEBSTER
4. Amount of Water claimed 2.28
5. Source of Water supply 70' DEEP WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in DAY County
about 3N, 3W miles 1 of WAUBAY
8. Proof of Publication
Received 1st
Not Received 7-21-77
9. Application
Approved _____
Subject to _____
Not Approved _____
Action Deferred _____

10. Remarks:

No. 4027-3
 Map No. 3271-3 Water Division No. 3 BIG SIOUX 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)

- Name of Applicant John Zochert
 Postoffice address Hebster Ct, R. 155 State S.D.
 If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) employment of others
- Name of diversion work J. ZOCHERT #1
- Amount of water claimed (cubic feet per second) 2.28
- Source of water supply well
- Location of point of diversion center of NE 1/4 of 13-122-55
 _____ County Day
- Annual period or periods during which water is to be used summer months
- Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
- For irrigation use, _____ Total number of acres to be irrigated 160

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.
NE 1/4 NE 1/4 13-122-55	40		
NW 1/4 NE 1/4 13-122-55	40		
SW 1/4 NE 1/4 13-122-55	40		
SE 1/4 NE 1/4 13-122-55	40		

Attach sheet if more space is needed

- Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use _____ years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Register of Farmers, Hebster, S.D.
- Principal Features of the Proposed Water Supply System.
 - Works proposed to divert water from its natural source.
 - Works proposed to transport water to place of use.
 - Works proposed to apply water to beneficial use.

Estimated Total Cost \$ 55,000

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 Day

I, John Zochert 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 John Zochert

Subscribed and sworn to before me this 27th day of June 1977

Chas. M. A. [Signature]
 Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4027-3

IVAN ZECHERT
(Applicant)

WEBSTER Rt. 1, Box 55
(Post Office Address)

SOUTH DAKOTA 57274
(State)

With the following modifications:

The irrigation well approved under this Permit is located near domestic 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.

Date of first receipt of application JUNE 6, 19 77

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

Date of receipt of corrected application JUNE 21, 19 77

Approved JULY 27, 19 77 Recorded in Book 19 Page 42

WATER RIGHT PERMIT NO. 4027-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4027-3 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 JUNE 6, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JANUARY 27, 19 78
3. The whole of said work is to be completed on or before JULY 27, 19 78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JULY 27, 19 78
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 JULY 27, 19 78; said water to be used during the following described annual period: SUMMER MONTHS

Witness my hand this 10TH day of AUGUST, 19 77

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 _____

Water License Issued _____, 19 _____

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30", Depth 70 ft
- (2) Casing, Type steel (wood, concrete, steel, etc), Diameter 16", Thickness 1/2"
- (3) Perforated Screen.
Type steel, Diameter 16", Length 20 ft
- (4) Gravel Pack, Thickness 1", Length of gravel pack 30 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 sand and gravel

Depth to top of water bearing material 43 ft

Depth to bottom of water bearing material 70 ft

Thickness of water bearing material 27 ft

Depth to water (ground surface to water level) 19 ft

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

On same owner's property 240 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.

Lynn Zocher
Signature of Applicant

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 Ivan Zorbest

ADDRESS Wahpeton

COUNTY Dakota

LEGAL DESCRIPTION

1. WELL LOCATION Center of N. E. 1/4 of 13 - 122-55
2. LOCATION OF AREA TO BE IRRIGATED N. E. 1/4 of 13 - 122-55

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ GUN _____
4. CROPS TO BE IRRIGATED corn or alfalfa

WATER QUALITY

5. SAMPLE NUMBER 77-779
6. SALINITY (EC X 10⁶) 1407 (high)
7. SODIUM (SAR) 0.34 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
the soils information has been acquired from _____ Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true
and correct.

Ivan Zorbest
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
16th DAY OF May 19 77.

Douglas A. Coleman, Notary
(TITLE OR SEAL) 11.4.78

Albert L. Hight
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Ivan Zachert
 Address: Webster, SD 57274

Date Rec'd May 17, 1977
 Sample No. 77-779
 Identification Well-
NE1, Sec. 13, T 122N, R 55W

WATER ANALYSIS

Calcium (Ca)	230	ppm*	14.00	me/l**
Magnesium (Mg)	29	ppm	2.36	me/l
Sodium (Na)	22	ppm	0.96	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	420	ppm	8.74	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	5	ppm	0.15	me/l
Bicarbonate (HCO ₃)	508	ppm	8.32	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)	416	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1407	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.34			
Sodium	5.47	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.12			
Others:				

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 17.55 me/l
 Total anions 17.21 me/l

By: Shirley Litten

Service Performed

Amount Due

Irrigation analysis

\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-779

Amount Enclosed \$

Signed

#28

345-4293-



May 20, 1977

Mr. Ivan Zochert
Webster, SD 57274

Dear Mr. Zochert:

Your water sample (Lab. No. 77-779) 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. Fine

L. O. Fine
Water Quality Lab

LOF:ckb
Enclosures
cc: State Conservation Commission
D. Pahl, Extension Service

P.S. Soils mapped and classified as III w₁ and VI w₃ are not irrigable with this water and without tile drainage. Avoid trouble (getting stuck, salt rise, drowning crops) by eliminating those soils from your plans at the start.

No. 4027-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Day) ss.

I, Larry Ingalls hereby
certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Reporter and Farmer
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 Webster of _____

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

July 6 , 1977
July 13 1977

Larry Ingalls
(Signature)

(Title)
July 13, 1977

(Date Signed)

Hearing slated
on water use

(First July 6)
NOTICE OF HEARING
ON APPLICATION
TO APPROPRIATE WATER
Pierre, South Dakota
June 27, 1977

Notice is hereby given that
Ivan Zochert whose post office
address is Webster, South
Dakota, has made an application
in accordance with the provisions
of SDCL 46-1-1 thru 46-1-8; 46-2-9
thru 46-2-11, 46-2-13; 46-5-1 thru 46-
5-8, 46-5-10 thru 46-5-22, 46-5-41,
46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-
14 and Commission Rules ARSD
52:01:01:01 thru 52:01:01:13, for a
permit to appropriate for
beneficial use 2.28 cubic feet of
water per second of time from
ground water through the I.
Zochert No. 1, the point of
diversion of which is to be located
in the center of the NE 1/4 of
Section 13, Twp. 122N, Range
55W. Said water to be used for the
purpose of providing irrigation on
portions of the following
described land: NE 1/4, Section 13,
T122N, R55W.

This Application No. 4027-3 will
be considered by the Water
Rights Commission at the
Staurollite Inn, Brookings, S.D.,
upon the 27th day of July 1977, at
10 a.m. The Commission is
authorized to make a deter-
mination on this application at
the hearing. All interested per-
sons may appear and be heard.
Any person who may be affected
by a Commission decision who
desires to present evidence or
cross-examine witnesses ac-
cording to SDCL 1-26 may notify
the Commission in writing prior
to the hearing or orally at the
hearing.

WATER RIGHTS
COMMISSION
James Winterton
Water Rights Specialist
(Last July 13)



Publish first publication, on or before July 14, 1977

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

June 27, 1977Notice is hereby given that Ivan Zochert whose

post office address is Webster, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, ~~Future Use 46-5-38, Temporary Permit 46-5-39, 46-5-40, Ground Water 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, Future Use 52:01:01:21~~

thru ~~52:01:01:24~~, for a permit to appropriate for beneficial use 2.28 cubic feetof water per second of time from ~~the~~ ground water throughthe I. Zochert #1, the point of diversion of which isto be located in the center of the NE 1/4

of Section 13, Twp. 122N, Range 55W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NE 1/4, Section 13, T122N, R55W.

This Application No. 4027-3 will be considered by the Water Rights Commission ~~at their office at Pierre~~ the St. Ursula Inn, Bkg., SD upon the 27th day of July 1977, at 10am. The Commission 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 Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

WATER RIGHTS COMMISSION

James Winterton
Water Rights Specialist

cc: Ivan Zochert
Webster, SD 57274

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office Webster, S.D.Date Nov. 25, 1978

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. 4027-3.

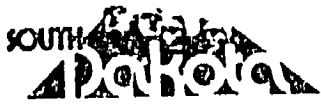
Water Right Permit No. 4027-3 states that the diversion system is to be constructed by July 27, 1978 and that the water is to be put to beneficial use by July 27, 1978.

The diversion system was completed on July 9, 1978.
Applying the water to beneficial use was completed on Nov. 15, 1978.
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.

Ivan Zochert
(Signature)





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

November 17, 1982

4169-3
4027-3

Colleen Fry
Administrative Secretary
Conservation Comm.
Anderson Bldg.
Pierre SD 57501

Dear Colleen:

As you requested in our recent telephone conversation, this is to inform you of an additional well under the Ivan Zochert, Day County permit. This office informed you of the additional six acres not on the original WI-1, which your office corrected. You were not informed at that time, of the additional well. The well is 700 feet north of the original well and in the same aquifer. A copy of Form 2A is included with an explanation from Mr. Zochert.

Sincerely,

BETTY WESTLUND
Water Rights Specialist

BW:ks

enclosure

1972

APR 1972 8:00 AM N: 4027-3



37.8

128.9

2-208C

Second
Diversion
Point →

← ORIGINAL
Diversion

32.6

133.0

56.1

37.7

31.4

21.8

46.3

35.9

2.8

122.55

2-208C

26.4

45.4

11.0