

1. Considered MAY 20, 1976 2734-3
2. Name of Applicant KENNETH P. PARKER
3. Post Office Address PARKER
4. Amount of water claimed 2.0
5. Source of water supply 60' WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in TURNER county
about 1E, 9N miles of HURLEY
8. Proof of Publication Received 5-17-76
 Not Received
9. Application Approved
 Subject to
 Not Approved
 Action deferred

10. Remarks:

No. 2734-3Map No. 2093-3 Water Division No. 3 VERMILLION 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 Kenneth L. Plucker
Postoffice address Parker, S. Dak. 57053, State _____
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 _____
4. Amount of water claimed (cubic feet per second) 1.5 - 2.0
5. Source of water supply Well
6. Location of point of diversion NW 1/4 11-99-53

- County Turner
7. Annual period or periods during which water is to be used May-Nov.
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
160
9. For irrigation use, Total number of acres to be irrigated _____

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.
SW 1/4 11-99-53	40		
NW 1/4 11-99-53	40		
NE 1/4 11-99-53	40		
SE 1/4 11-99-53	40		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 1 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication New Era, Parker, S. Dak. 57053
12. Principal Features of the Proposed Water Supply System.

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

Well with electric pump

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

Underground pipeline

C. Works proposed to apply water to beneficial use.

Center Pivot Irrig. SystemEstimated Total Cost \$ 10,000.00Attachments: 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)
) ss.
County of Turner)I, Kenneth L. Plucker 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 L. PluckerSubscribed and sworn to before me this 24th day of March 1976Donald P. Van Dyke
Notary Public (or other qualified officer)DONALD P. VAN DYKE NOTARY PUBLIC
My commission expires 12-13, 1981

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2734-3

KENNETH L. RUCKER

(Applicant)

PARKER

(Post Office Address)

SOUTH DAKOTA 57053

(State)

With the following modifications:

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 existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application MARCH 26, 1976

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

Date of receipt of corrected application MAY 3, 1976

Approved MAY 20, 1976, Recorded in Book 15 Page 172

WATER RIGHT PERMIT NO. 2734-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2734-3 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 MARCH 26, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 20, 1976
3. The whole of said work is to be completed on or before MAY 20, 1977
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 20, 1978
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 of use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 2.0 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 three 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 MAY 20, 1978, said water to be used during the following described annual period: MAY - NOVEMBER

Witness my hand this 9TH day of JUNE, 1976

WATER RIGHTS COMMISSION

By:

John Hatch
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 20", Depth 60'
- (2) Casing, Type steel Diameter 2 1/2" Thickness 3/8"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Stainless steel, Diameter 1 1/2", Length 20"
- (4) Gravel Pack, Thickness 6", Length of gravel pack 30'

E. Dugout Information or Estimates

- (1) Surface dimensions 12' x 12', Depth 12'

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 Water bearing sands and gravels with about 36" topsoil.

Depth to top of water bearing material 15'

Depth to bottom of water bearing material 60'

Thickness of water bearing material 15'

Depth to water (ground surface to water level) 15'

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

☒ Same owner's property 130 rds. ☐ On property owned by others 125 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.

n/a

Kenneth H. Lucken
Signature of Applicant

2734.3

April 27, 1976

Mr. Kenneth Plucker
Parker, SD 57053

Dear Mr. Plucker:

Enclosed please find receipts for your payment of water sample analyses on samples 76-279 and 76-376. Also enclosed you will find AES publication #13 with the quality of these two waters plotted approximately by means of the red crosses in the chart on the outside back cover. You are also being sent the original copies of the reports of analysis on the two samples. Please keep these in a safe place.

The sample which you submitted earlier, 76-279, is absolutely unfit for irrigation and I am sending you the copy so marked. The sample 76-376, however, is quite a bit better water and should cause no difficulty with the crops you are intending to irrigate and on normally well-drained soils. Therefore, I recommend that the Water Rights Commission grant a water use permit for this piece of land and this water supply. You will be hearing from them directly. They will be getting copies of this letter, and of the water analysis which pertains to your application, and the WI-1 form.

Sincerely yours,

L. O. Fina

L. O. Fina
Water Quality Lab

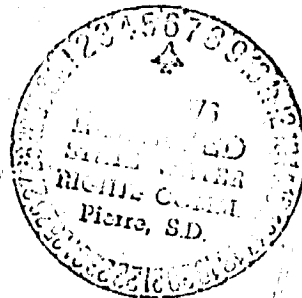
LOP:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Marlin Pietz, County Extension Agent



CONSERVATION
COMMISSION
FORM W1 #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 4E-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Kenneth L. Plucker

ADDRESS Parker, S. Dak. 57063

COUNTY Turner

LEGAL DESCRIPTION

1. WELL LOCATION Sec 29 11-99-53

2. LOCATION OF AREA TO BE IRRIGATED Sec 29 11-99-53

TYPE OF IRRIGATION

3. GRAVITY TOWLINE CENTER PIVOT X GUN

4. CROPS TO BE IRRIGATED Corn, Alfalfa and Soybeans

WATER QUALITY

5. SAMPLE NUMBER 76-379

6. SALINITY (EC X 10⁶) 1093 (high)

7. SODIUM (SAR) 0.75 (low)

8. RESIDUAL SODIUM CARBONATE (meq/l.)

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 Turner Co. 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.

Kenneth L. Plucker
APPLICANT'S SIGNATURE

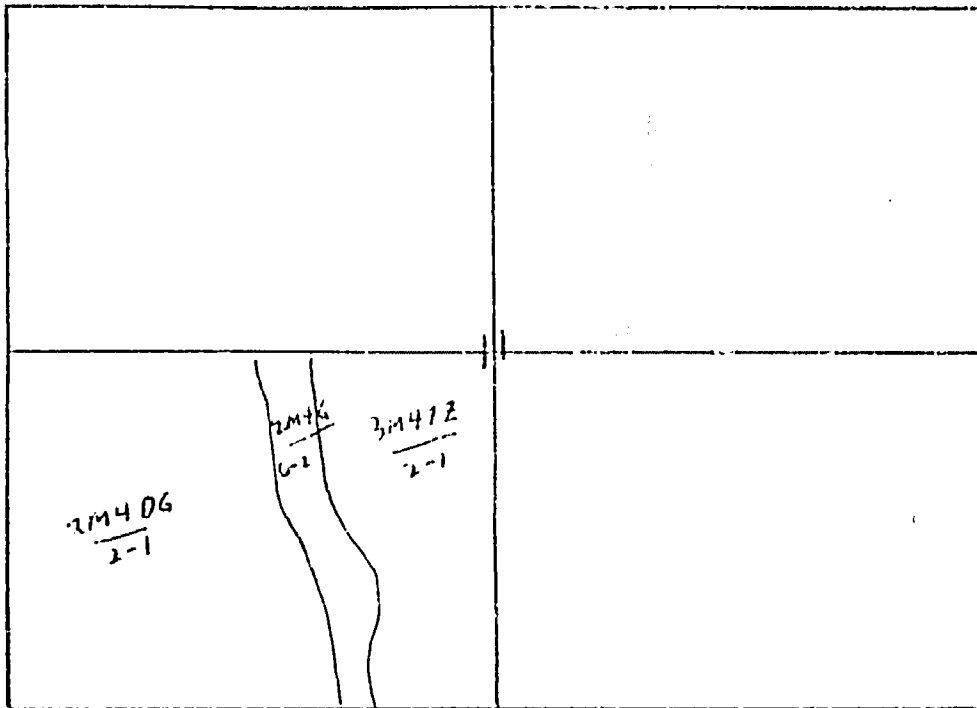
SUBSCRIBED AND SWORN BEFORE ME THIS
DAY OF April 19 76.

(TITLE OR SEAL)

APPROVED/DENIED

(SOILS INFORMATION ON REVERSE SIDE)

MAP



NARRATIVE

2M406 - Deep, loamy, well drained soils on nearly level (0-2%) upland. They
2-1 have few or no limitations in use. Cap. Unit 12.

2M46 - Deep, loamy, well drained soils on gently undulating (2-6%) slopes.
6-2 They have a moderate water erosion hazard. Cap. Unit 11a2

3M412 - Moderately deep, well drained soils -H with 10-15" of loamy material
2-1 over sand and gravel on nearly level (0-2%) upland slopes. Cap. Unit 11a5

JW Ryzh D.C.
SCS, Parker SD

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

Submitted by: Kenneth Luckor
 Address: Parker, SD 57053

Date Rec'd: April 19, 1976
 Sample No. 76-376
 Identification Well-60
SW, Sec. 11, T 99N, R 53E

WATER ANALYSIS

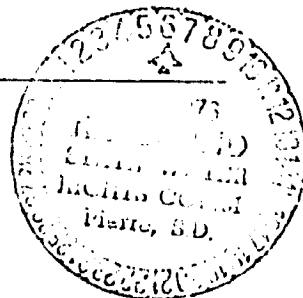
Calcium (Ca)	180	ppm*	9.00	me/l**
Magnesium (Mg)	55	ppm	2.51	me/l
Sodium (Na)	45	ppm	1.96	me/l
Potassium (K)	10	ppm	0.25	me/l
Sulfate (SO ₄)	372	ppm	7.74	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	9	ppm	0.25	me/l
Bicarbonate (HCO ₃)	376	ppm	6.16	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g-p.g.***
Alkalinity (Methyl Orange)	308	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1093	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.75			
Sodium	12.46	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.35			

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 19.72 me/l
 Total anions 14.15 me/l



By: Shirley Mitten

Service Performed	Amount Due
Irrigation analysis	\$8.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-376

Amount Enclosed \$

Signed

Publish first publication, on or before May 10, 1974

**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

5734-3
5734-3 May 3, 1974

Notice is hereby given that Kenneth Plucker
whose post office address is Parker, 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
2.0 cubic feet of water per second of time from the ground water through the
Kenneth Plucker #1, the point of diversion of which is to be located in the

NE 1/4 SW 1

of Section 11, Twp. T9N, Range R5W. Said water to be used for the purpose
of providing irrigation or ^{portions of} the following described land:

SW 1, Section 11, T9N, R5W

This application No. 2734-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 20th day of May, 1974, at 1.00 P. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

Worm
BFJ/bw
cc:

Kenneth Plucker, Parker, S.D. 57053

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

No. 2734-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss.

I, JOHN K. KOIL hereby
certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Sioux Falls Argus-Leader

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 Sioux Falls of Sioux Falls

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

Friday, May 7

Friday, May 14

[Signature]
(Signature)

Controller
(Title)

May 14, 1976
(Date Signed)

NOTICE
INTENT TO APPROPRIATE
WATER

Pierre, South Dakota 57501
May 3, 1976
Notice is hereby given that Kenneth Plucker whose post office address is Parker, 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 2.0 cubic feet of water per second of time from ground water through the Kenneth Plucker #1 the point of diversion of which is to be located in the NE 1/4 SW 1/4 of Section 11, Twp. 99N, Range 53W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW 1/4, Section 11, T99N, R53W
This application No. 27343 will be considered by the Water Rights Commission at their office at Pierre upon the 20th day of May, 1976, at 1:00 P.M. All interested persons may appear and be heard.

WATER RIGHTS
COMMISSION
By: John Hatchler
BURTON F. JONES
Water Rights Specialist

May 7, 14, 1976



Permit No 2734-3Water Division: 3 VERMILLION RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by KENNETH
PLUCKER of PARKER holder
 of Permit No. 2734-3, bearing date of priority of MARCH 26, 19 76
 authorizing the diversion of 2.0 cu. ft. per second of the waters of GROUNTWATER
 for IRRIGATION purposes, in TURNER County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water:

50' DEEP WELL WITH 14" STEEL CASING - 20" SS SCREEN
 NATIONAL PUMP CO 8" PUMP #376-264
 POWERED BY NEWMAU 75HP ELECTRIC MOTOR

B. Works used to transport water to place of use,

1220' OF 8" BURIED PVC TO CENTER OF PIVOT

C. Works used to apply water to beneficial use.

10 TOWER VALLEY CORNER SYSTEM

The system is in the following condition: GOOD

The point of diversion is located 2550' S, 2600' E OF THE SW CORNER,
SECTION 11, T99N, R53W

The works are capable of diverting and conveying to the place of use 2.00cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows:

comprising a total of 14.0 acres of land.

Date _____

(Signature) _____

**South Dakota Department of
Water & Natural Resources**

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

February 17, 1989

Kenneth L. Plucker
RR 1, Box 79A
Parker, SD 57053

Dear Mr. Plucker:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;



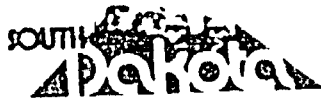
Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,

for Alvin H. Boz
JOHN HATCH, Chief Engineer
Water Rights Division



Department of Water & Natural Resources

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

2734-3
5389-3

NOV 7 1990

Kenneth L. Plucker
RR #1 Box 79A
Parker SD 57053

Dear Mr. Plucker:

Enclosed is Water License No. 5389-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 412327 in the amount of \$50.00 which you paid for the inspection and issuance of the 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. 5389-3, 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. 2734-3 have been incorporated into Water License No. 5389-3.

South Dakota

GREAT FACES GREAT PLACES.

DEPARTMENT OF WATER & NATURAL RESOURCES
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

December 26, 1990

3246-3

Ralph Duxbury
RR #1 Box 31
Hurley, SD 57036

Dear Mr. Duxbury:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 3246-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Genny McMath

Genny McMath
Natural Resources Analyst
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.