

Water Right Number 3461-3

1. Considered 3-23, 1977
2. Name of Applicant ROGER DAILEY
3. Post Office Address JEFFERSON
4. Amount of Water claimed 5.70
5. Source of Water supply ~~400~~ 110' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 400
7. Water to be diverted and used in UNION County
about 3S, 31W miles 1 of JEFFERSON
8. Proof of Publication Received 1-21-77
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
10. Remarks:

Map No. 2741-3 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)

1. Name of Applicant Roger Dailey
Postoffice address Jefferson, State SD
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 Roger Dailey #2
4. Amount of water claimed (cubic feet per second) 5.7 c.f.s.
5. Source of water supply well
6. Location of point of diversion NW 1/4 sec 33 T22-90N R 40-30W
County Union
7. Annual period or periods during which water is to be used Apr. through Oct.
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 400 440

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.
E 1/2 sec 33 - 22 -90-49- 30	320		
SE 1/4 NW 1/4 sec 33 22 -90-49- 30	40 80		
E 2 SW 1/4 SE 33-90-44	80		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 3 years. Additional time required to complete application of 5 to the proposed beneficial use 5 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Leader Courier
12. Principal Features of the Proposed Water Supply System.

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

Well

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

Underground pipe

C. Works proposed to apply water to beneficial use.

Center pivot sprinklerEstimated Total Cost \$ 60,000.00

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 Union)

I, Roger Dailey, 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 Roger DaileySubscribed and sworn to before me this 9 day of December, 1926Minna P. Stewart
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3461-3
ROGER DAILEY JEFFERSON
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57038 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 15, 19 76
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application MARCH 2, 19 77
 Approved MARCH 23, 19 77, Recorded in Book 17 Page 309
 WATER RIGHT PERMIT NO. 3461-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3461-3 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 2, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 23, 19 78
3. The whole of said work is to be completed on or before MARCH 23, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 23, 19 83
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 5.7 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 23, 19 83; said water to be used during the following described annual period: APRIL THRU OCTOBER

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

WATER RIGHTS COMMISSION

By:

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued September 18, 19 79
 Water License Issued September 18, 19 79

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 30 inches, Depth 100 feet

(2) Casing Type Transite Diameter 16" I. D. Thickness 3/4 Inch
(wood, concrete, steel, etc)

(3) Perforated Screen.

Type 1/8 Inch Slotted, Diameter 16" I. D., Length 20 Feet

(4) Gravel Pack Thickness 6-9 Inches, Length of gravel pack 20 + Feet

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 Water bearing Gravels and Rock

Depth to top of water bearing material 20 Feet

Depth to bottom of water bearing material 100 Feet

Thickness of water bearing material 80 Feet

Depth to water (ground surface to water level) 14 Feet Drawdown

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

On same owner's property 110 rds. On property owned by others 200 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.

James D. Bailey
Signature of Applicant

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 30, Depth 110
- (2) Casing, Type A/C Diameter 16 Thickness 1"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Wire Mesh, Diameter 16, Length 20
- (4) Gravel Pack, Thickness 14, Length of gravel pack 50'

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 will be sent later

Depth to top of water bearing material 50'

Depth to bottom of water bearing material 100'

Thickness of water bearing material 50'

Depth to water (ground surface to water level) 16'

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

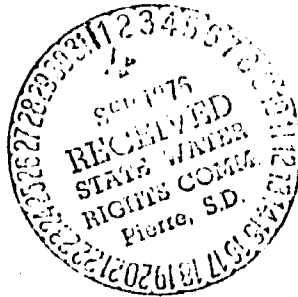
On same owner's property 60 rds. On property owned by others 60 rds.

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.

Regina S. Big
Signature of Applicant

August 26, 1976



Mr. Roger Daily
Jefferson, SD 57038

Dear Mr. Daily:

Enclosed please find the original copy of the report of analysis on your water sample 976-1078 received here about a week ago. I am also enclosing a copy of AEG publication #13. In the chart on the outside back cover I have used a red cross to denote the approximate quality of this water for irrigation purposes. As you will see, it is in the high salinity, low sodium category. Accordingly, it is fairly well suited for irrigation use in the climatic area of Union County, provided that it is not used in frequent, light quantities all summer long and year after year. Frequent, light additions tend to increase the salt content of the surface soil very rapidly and you should use substantial amounts of water and irrigate as infrequently as possible in order to distribute the salt throughout the root zone, and allow for the chances of natural leaching whenever we do have effective precipitation. Sometimes you'll have to irrigate thoroughly in the late fall in order to encourage this natural leaching. The soils you have to irrigate are all intricately mixed in the area and there is no way to delineate separate irrigation operations for each of these areas with the center pivot system. However, I anticipate no serious problems and you should be successful.

A copy of this letter is accompanying your application materials and a copy of the water analysis to the State Conservation Commission in Pierre for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Louise DeSmet, County Extension Agent

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)



NAME Roger Dailey
ADDRESS Jefferson South Dakota
COUNTY Lincoln

LEGAL DESCRIPTION

1. WELL LOCATION 1/4 Sec 10, T14N, R10E, S14
2. LOCATION OF AREA TO BE IRRIGATED Sec 10 and 11, T14N, R10E, S14
all in sec. 10, 7600 ft wide

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT / GUN _____
4. CROPS TO BE IRRIGATED corn, soybeans

WATER QUALITY

5. SAMPLE NUMBER 76-1078
6. SALINITY (EC X 10⁶) 1264 (high)
7. SODIUM (SAR) 1.74 (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.

Roger Dailey
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
10 DAY OF August 1976.

David R. Stewart, Notary Public
(TITLE OR SEAL)

Albert J. [Signature]
APPROVED/DISTRICT

(SOILS INFORMATION ON REVERSE SIDE)

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

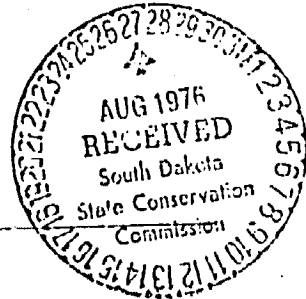
Submitted by: W. R. Bailey
 Address: Brookings, SD 57033

Date Rec'd: August 19, 1976
 Sample No.: 76-1073
 Identification: 111
111, Dec. 33, 2.961, 3.494

WATER ANALYSIS

Calcium (Ca)	159	ppm*	7.95	mc/l**
Magnesium (Mg)	38	ppm	3.12	mc/l
Sodium (Na)	87	ppm	2.51	mc/l
Potassium (K)	17	ppm	0.44	mc/l
Sulfate (SO ₄)	265	ppm	5.11	mc/l
Nitrate (as N)		ppm		mc/l
Chloride (Cl)	14	ppm	0.33	mc/l
Bicarbonate (HCO ₃)	576	ppm	9.44	mc/l
Carbonate (CO ₃)		ppm		mc/l
Iron (Fe)		ppm		mc/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	472	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1264	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.24			
Sodium	20.18	% of cations		
Residual sodium carbonate	0.00	mc/l		
pH	7.18			
Others:				

*ppm=parts per million
 **mc/l=millequivalents per liter
 ***g.p.g.=grains per gallon



COMMENTS: Total cations 14.42 mc/l
 Total anions 14.33 mc/l

By: W. R. Bailey

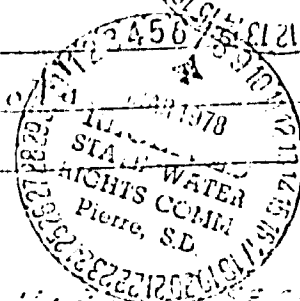
Service Performed	Amount Due
Irrigation analysis	\$8.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1073 Amount Enclosed \$
 Signed _____

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 45-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION)



NAME Roger Daley

ADDRESS Jefferson South Dakota

COUNTY Lincoln

LEGAL DESCRIPTION

1. WELL LOCATION 1031' north and 500' west
2. LOCATION OF AREA TO BE IRRIGATED SE 1/4 and 1/2 NE 1/4, Sec 10, T20N, R10W
in sec. 10, T20N, R10W

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ GUN _____

4. CROPS TO BE IRRIGATED corn, soybeans

WATER QUALITY

5. SAMPLE NUMBER 76-1078

6. SALINITY (EC x 10⁶) 1264 (high)

7. SODIUM (SAR) 1.74 (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.

Roger Daley
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
10 DAY OF August 1976.

Donald R. Stewart Notary Public
(TITLE OR SEAL)

APPROVED
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: Donor Delay
 Address: Jefferson, SD 57038

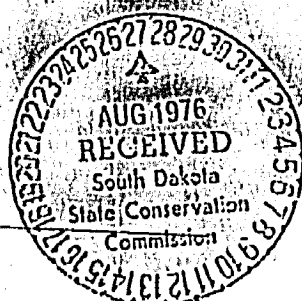
Date Rec'd: August 19, 1976
 Sample No.: 75-1073
 Identification: all
33, Sec. 33, T 20N, R 49E

WATER ANALYSIS

Calcium (Ca)	159	ppm*	7.35	mc/l**
Magnesium (Mg)	38	ppm	3.12	mc/l
Sodium (Na)	57	ppm	2.91	mc/l
Potassium (K)	17	ppm	0.44	mc/l
Sulfate (SO ₄)	235	ppm	5.51	mc/l
Nitrate (as N)		ppm		mc/l
Chloride (Cl)	14	ppm	0.33	mc/l
Bicarbonate (HCO ₃)	576	ppm	9.44	mc/l
Carbonate (CO ₃)		ppm		mc/l
Iron (Fe)		ppm		mc/l
Fluoride (F)		ppm		mc/l
Hardness (EDTA as CaCO ₃)		ppm		mc/l
Alkalinity (Methyl Orange)	472	ppm (as CaCO ₃)		g-p.g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1254	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	3.24			
Sodium	20.18	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.18			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter

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



COMMENTS: Total cations 14.42 /l
 Total anions 15.33 /l

By: Shirley H. H. H.

Service Performed

Amount Due

Jefferson, SD

0.00

Make checks payable to: Water Quality Laboratory

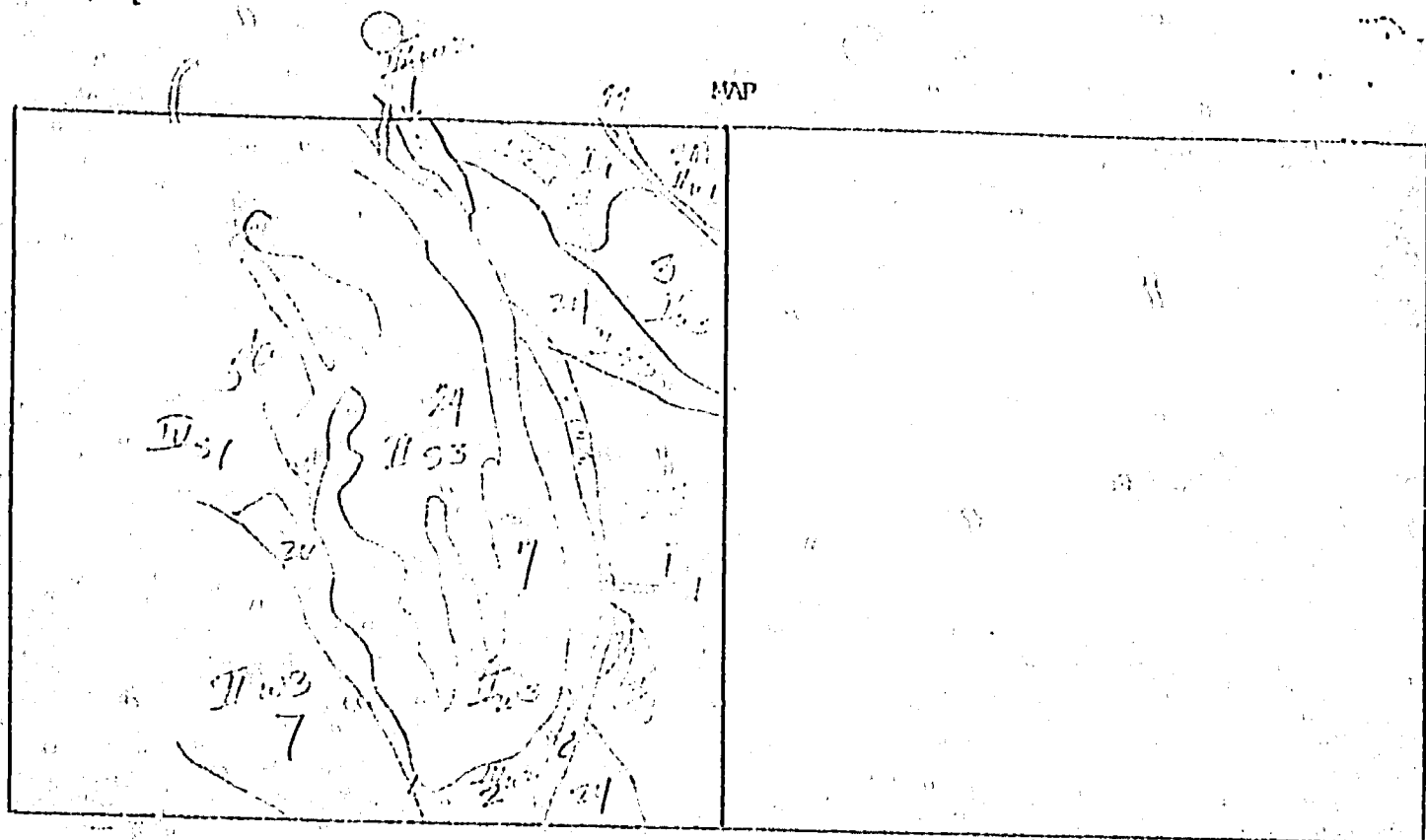
Cut along dotted line and return the lower portion with payment

Sample No. 75-1073

Amount Enclosed \$

Signed

BEST IMAGE POSSIBLE FROM POOR ORIGINAL



NARRATIVE

I, Deep, loamy well drained so./s. on bottom lands

II-2 Deep, loamy, so./s. on bottom lands

II-3 Deep, clayey, poorly drained section bottom lands

III-1 Deep, sandy, clayey, so./s. on bottom lands

II-52 Moderately deep, well drained, so./s. on bottom lands

II-54 Deep, very sandy, so./s. on bottom lands

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 3461-3

(1) WHEREAS, On the 15th day of December A. D. 1976
Roger Dalley

made Water Right Application No. 3461-3 for a permit to use 5.7 cubic feet per second of the waters
of groundwater (one well)
County of Union State of South Dakota, for Irrigation

purposes; and
(2) WHEREAS, On the 23rd day of March A. D. 1977
Permit No. 3461-3 with a date of priority of March 2, 1977

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 23rd day of March A. D. 1981 and for the
application to beneficial use of said water on or before the 23rd day of March A. D. 1983

WHEREAS, upon inspection the applicable portions of Permit No. 2179-3 with a priority date
of December 20, 1974, was incorporated into this Water License, and Permit No. 2179-3 has
been cancelled,

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 5.55 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent.

to irrigate the following lands all in T90N, R49W

Section 33 NW $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 acres

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 "

SW $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 "

SE $\frac{1}{4}$ SE $\frac{1}{4}$ 23.5 "

NE $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 "

SE $\frac{1}{4}$ SW $\frac{1}{4}$ 23.5 "

SE $\frac{1}{4}$ NW $\frac{1}{4}$ 23.5 "

SW $\frac{1}{4}$ NE $\frac{1}{4}$ 40.0 "

SE $\frac{1}{4}$ NE $\frac{1}{4}$ 23.5 "

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 34.0 "

NW $\frac{1}{4}$ NE $\frac{1}{4}$ 37.0 "

Section 28 SW $\frac{1}{4}$ SE $\frac{1}{4}$ 34.0

SE $\frac{1}{4}$ SE $\frac{1}{4}$ 34.0

TOTAL 437.0 acres

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Roger Dalley

_____ of Jefferson, SD

the holder _____ and owner _____ of said permit No. 3461-3 a water right, dating from December 20, 1974 and

March 2, 1977 to use of 5.55 cubic feet per second of the water-
of groundwater (two wells)

in the County of Union and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted ~~xx~~ Well #1-1295'W & 35'N of the NE corner; Well #2-

1980'N & 1720'W from the SE corner, both in Section 33, T90N, R49W

and conduct to and upon portions of land in Sections 33 and 28-T90N-R49W more fully described
on the face of this License

for the purpose of Irrigation

Subject to any limitations listed in Water Right Permit No. 3461-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota

this 18th day of September A. D.

Nineteen Hundred and Seventy-nine

Board of Water Management

By:

John Hatch
Chief Engineer

JOHN HATCH

Permit No. 3461-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Roger Dalley

_____ the holder _____ of
Permit No. 3461-3, issued upon Application No. 3461-3, bearing date of priority of December 20, 1974 and
March 2, 1977 authorizing the diversion of 7.4* cu. ft. per second of the waters of _____
groundwater (two wells) County of Union, State of South Dakota, at _____
Well #1-1295'W & 35'N of the NE corner; Well #2-1980'W & 1720'W from the
SE corner, both in Section 33-T90N, R49W
_____, for Irrigation

purposes, has _____ complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use _____ 5.55 cu. ft. per second of water

Date September 18, 1979

* The applicable portions of
Permit No. 2179-3 have been
Incorporated into the Water
License No. 3461-3, and Permit
No. 2179-3 has been cancelled.

John Hatch
JOHN HATCH, Chief Engineer
Water Rights, WMD

Form 6 - Notice of Intent to Appropriate Water

No. 3461-3

Publish first publication, on or before MARCH 10, 1977

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

_____, 19____

Notice is hereby given that Roger Dailey

whose post office address is Jefferson, 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

5.7 cubic feet of water per second of time from the ex-ground water through the Roger Dailey #2, the point of diversion of which is to be located in the _____

NW 1/4 SE 1/4 of Section 33, Twp. 90N, Range 49W. Said water to be used for the purpose of providing irrigation on the following described land:

E 1/2, SE 1/4, NW 1/4, E 1/2, SW 1/4, Section 33, T90N, R49W

This application No. 3461-3 will be considered by the Water Rights Commission at their office at Pierre upon the 23 day of March, 1977, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Roger Dailey, Jefferson SD 57038

No. 3461-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Lester E. Emerson hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Leader-Courier

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 Elk Point

County of Union 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

Lester E. Emerson
(Signature)

Public
(Title)

March 17, 1977
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER 3461
Pierre, South Dakota 57501
March 4, 1977

Notice is hereby given that
Roger Dailey whose post office
address is Jefferson, South Dak-
ota, has made an application in
accordance with the provisions
of the water laws of South Dakota
for a permit to appropriate for
beneficial use 5.7 cubic feet of
water per second of time from
ground water through the Roger
Dailey #2, the point of diversion
of which is to be located in the
NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 33, Twp. 90N,
Range 49W. Said water to be
used for the purpose of providing
irrigation on portions of the fol-
lowing described land: E $\frac{1}{2}$, SE $\frac{1}{4}$,
NW $\frac{1}{4}$, E $\frac{1}{2}$, SW $\frac{1}{4}$, Section 33, T90N,
R49W.

This application No 3461-3
will be considered by the Water
Rights Commission at their off-
ice at Pierre upon the 23, day
of March, 1977, at 10:00 A.M.
All interested persons may ap-
pear and be heard.

WATER RIGHTS COMMISSION
By Burton F. Jones
Water Rights Specialist
Pub. March 10, 17.



2179-3

4-39-17

3/10/68

TP² K-28:

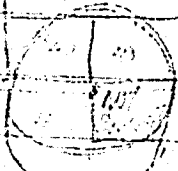
Page 11

Am. J. Sci.

3/1/50

Cap. Dis.

Chin 130



4/11/1944

Alanya 1911

Permit No. 3461-3Water Division 3 BIG S. RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by ROGER

DAILEY of JEFFERSON holder 1974 *

of Permit No. 3461-3, bearing date of priority of 5.7 FROM MARCH 2, 1977

authorizing the diversion of 7.4 cu. ft. per second of the waters of GROUND WATER

for IRRIGATION purposes, in UNION 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:
- #1 NORTH WELL - 104' DEEP WITH 18" CONCRETE CASING - LAYNE BOWLER 8" PUMP
#74488K - 3 1/2" IGE - 12 KIL BEWLS - POWERED BY 50HP US ELECTRIC MOTOR
- #2 SOUTH WELL - 110' DEEP WELL WITH 16" DIA ASBESTOS CONCRETE CASING - LAYNE
BOWLER 10" PUMP #8145LK - 3 1/2" IGE - 12 IL BEWLS - POWERED BY 125 H.P. US
ELECTRIC MOTOR
- B. Works used to transport water to place of use,
WELL #1 50' OF 10" LINE TO CENTER OF PLOT
WELL #2 260' OF 12" LINE TO CENTER OF PLOT
- C. Works used to apply water to beneficial use.
NORTH SYSTEM - OLSON CENTER PLOT IRRIGATION SYSTEM - ELECTRIC
DRIVE WITH END GUN
SOUTH SYSTEM - ELECTROGATOR MODEL CES CENTER PLOT IRRIGATION
SYSTEM - 2000' LONG WITH END GUN

The system is in the following condition: GOODThe point of diversion is located WELL #1 - 1245' W & 35' N OF THE NE CORNER, WELL #2,
1980' N & 1720' W FROM THE SE CORNER, BOTH IN SECTION 33, T19N, R44WThe works are capable of diverting and conveying to the place of use 5.55cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN T19N, R44W

SECTION 33 NW 1/4 SE 1/4 40 AC.	NE 1/4 NW 1/4 40 AC.	SE 1/4 NW 1/4 23.5 AC.	SECTION 34 SW 1/4 SE 1/4 34 AC.
NE 1/4 SE 1/4 40 "	SE 1/4 NW 1/4 23.5 AC.	NW 1/4 SE 1/4 34 AC.	SE 1/4 SE 1/4 34 "
SW 1/4 SE 1/4 40 "	SE 1/4 NW 1/4 23.5 "	NW 1/4 SE 1/4 31 "	
SE 1/4 SE 1/4 23.5 "	SW 1/4 NW 1/4 40.0 "		

comprising a total of 4.33 acres of land. 1.18

THE APPLICABLE PORTIONS OF
PERMIT NO. 2179-3 HAVE BEEN
INCORPORATED INTO THIS WATER
LICENSE, AND PERMIT NO. 2179-3
HAS BEEN CANCELLED

DATE JULY 25, 1979
B. J. J. J.
 (Signature)

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 7022

PIERRE, August 30, 1979

RECEIVED OF Roger Dally, Rt #1, Box 67, Jefferson, SD 57038

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for inspecting Construction, and issuing Cert. of Construction No. 3461-3	50	00
Fee for inspecting Beneficial Use, and Issuing Water License No. 3461-3		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	50	00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH gy

**South Dakota Department of
Water & Natural Resources**
Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

September 19, 1979

Roger Dailey
RR #1, Box 67
Jefferson, SD 57038

Dear Mr. Dailey:

Enclosed herewith are, Water License No. 3461-3 and Certificate of Construction.

Water License No. 3461-3 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, WMD

JH:gy

enclosures

NOTE: The applicable portions of Permit No. 2179-3 have been incorporated into this Water License No. 3461-3 and Permit No. 2179-3 has been cancelled.

Equal Opportunity Employer

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

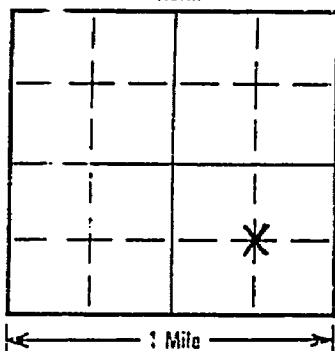
Location C $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 33 Twp 90 Rg 50County Union

North

Please mark well location with an "X"

W

E

Well Completion Date May 1994

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1000 ft. from Septic (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>5440</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>60</u> FT	<u>22</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cmt</u>	<u>30</u>	<u>15.8</u> lb./gal	<u>0</u> ft	<u>25</u> ft
<u>Bent</u>	<u>45</u>	_____ lb./gal	<u>25</u> ft	<u>60</u> ft

Describe grouting procedure _____

pumped w/ tremieSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 16 IN Length 60 FEETMaterial PVCSlot Size 50 Set From 60 Feet to 120 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION:

Was well disinfected upon completion? ☒ YES, How: Cl

_____ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Rager Daily

Business Name: _____

Address: Jefferson, MO

WELL LOG:

DEPTH

FORMATION

FROM

TO

Top Soil02Fine Sand249Sand & Gravel49120

STATIC WATER LEVEL

15

Feet

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

Describe: _____

☐ Bailed☐ Other

Pumping Level Below Land Surface

50ft. After 24Hrs. pumped 1400

GPM

ft. After _____

Hrs. pumped _____

GPM

If pump installed, pump rate _____

1400

GPM

REMARKS

This well was drilled under license # 341

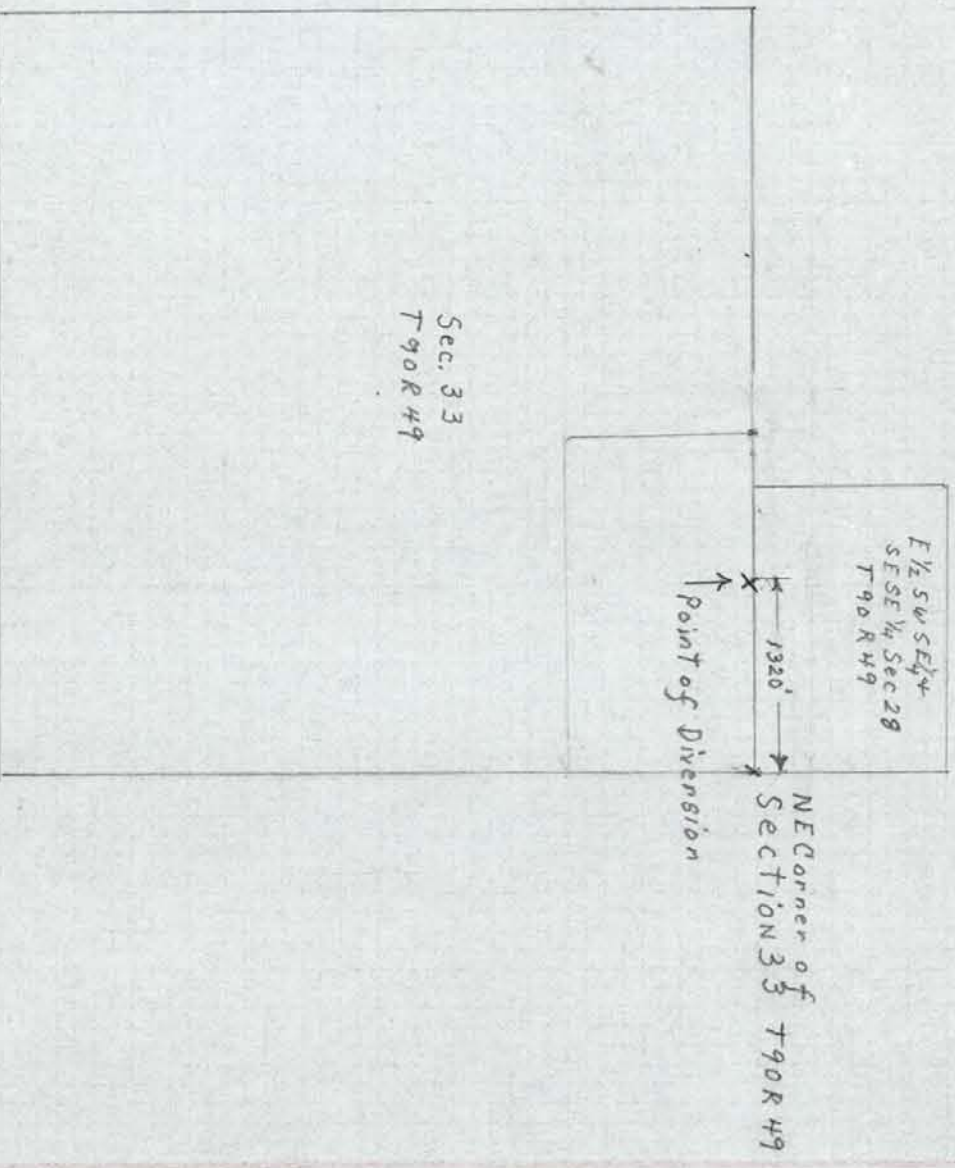
And this report is true and accurate.

Drilling firm Watmore Drilling

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____



Roger Dailey
Dailey Irrigation Project
120 ac. to be irrigated
Center Pivot

Scale 4" = 1 Mi.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

E. S. Dailey
12-16-74

E. S. Dailey
District Conservationist

E. S. Dailey
12-16-74

MAP NO. 1571-3 APR. NO. 2179-3

Roger Daily
Union County,
T 90N R 49W

Not covered in
Form 2 but
is in legal
Notice in
paper

Well 1290' W - 35' N.

Covered under
both 2179-3
and 3461-3

Not covered
under App. 2179-3

Covered under
App. 3461-3

68 Rods.

33

C.P.

Well

1980' N & 1720' W FROM
SW CORNER, SEC 33, T90N, R49W

Map by J. J. M. 6-2-77

5-161

NOT TO SCALE

APPENDIX 3 461-3



Prepared by
L E De Smet
Co apt 12/9/76

Point of
Diversion
(Well)

1980 ft.

SE $\frac{1}{4}$ & S $\frac{1}{2}$ NE $\frac{1}{4}$ & SE $\frac{1}{4}$ NW $\frac{1}{4}$
AND E $\frac{1}{2}$ SW $\frac{1}{4}$ all in
Section 33, T90N R49W
300 AC To be Irrigated

1980 ft.

SE corner
Sec 33, T90 R49

N

Scale 8 inches = 1 mile

ROGER DAILEY
JEFFERSON, SOUTH DAKOTA
DAILEY Irrigation Project
300 AC. To be Irrigated

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>D. Dailey</u>	Date <u>7/7/76</u>	Approved by <u>J.M. Boling</u>
Drawn <u>D. Dailey</u>	Date <u>7/7/76</u>	Title <u>SS 7606</u>
Traced	Sheet	Drawing No.
Checked	No	
	of	



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

3461-3

July 19, 2017

Roger Dailey
33229 479th Ave
Jefferson SD 57038

Dear Mr. Dailey:

The Department of Environment and Natural Resources (DENR) has received information alleging the irrigation system located in the S 1/2 SE 1/4 Section 28 and E 1/2 Section 33; all in T90N-R49W had irrigation water from the end guns overspraying on the road. This irrigation system is covered by Water Right No. 3461-3.

It is common for center pivots to have stops which can be engaged to shut off the operation of the end gun when the pivot nears a road. Please take steps to insure end gun stops are functioning properly so there is not direct overspray on to the road.

A water right holder is not allowed to waste water or operate an irrigation system in violation of state water law, which includes end gun overspray upon lands, including roadways, not authorized by the water right. Application of water to a roadway or unauthorized lands is a waste and unreasonable use of water pursuant to SDCL 46-1-4.

If you don't believe this irrigation system is causing the overspray, or if you have any questions, please contact me at (605) 773-3352 or by email at eric.gronlund@state.sd.us.

Thank you for your cooperation,


Eric Gronlund
Water Rights Program, DENR
605 773-3352