

Water Right Number 2429-3

1. Considered November 12, 19 75
2. Name of Applicant E. L. Leiferman
3. Post Office Address Aurora, SD
4. Amount of water claimed 2.2
5. Source of water supply ground water (51' DEEP WELL)
6. Water to be used for irrigation
- Acres to be irrigated 154
7. Water to be diverted and used in Brookings County
about S EDGE Miles of AURORA
8. Proof of Publication Received 11-12-75
Not received
9. Application Approved
Subject to
Not approved
Action deferred

10. Remarks:

Map No. 1806-3 Water Division No. 3 PIC SIOUX 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 E. L. Leisnerman
Postoffice address Aurora State S. D. L. 57002
If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work E. L. Leisnerman Irrigation Project #2
4. Amount of water claimed (cubic feet per second) 2.2
5. Source of water supply well
6. Location of point of diversion R 475' N 88° E of SW corner sec 2-109-49

- County Brookings
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, (1) Total number of acres to be irrigated 151

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.
<u>NW 1/4 of Sec 2-109-49</u>	<u>39</u>
<u>NE 1/4 of Sec 2</u>	<u>40</u>
<u>SW 1/4 of Sec 2</u>	<u>39</u>
<u>SE 1/4 of Sec 2</u>	<u>33</u>

Attach sheet if more space is needed

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

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

well with electrically driven deep well turbine

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

closed conduit

C. Works proposed to apply water to beneficial use.

center pivot irrigation machine

Estimated Total Cost \$ 45,000

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 Brookings

I, E. L. Leisnerman 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 E. L. Leisnerman

Subscribed and sworn to before me this 21 day of Oct 1975

John S. Lawrence
Notary Public for other qualified officers
D. E. #1496

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2429-3E. L. LEIFERMAN
(Applicant)AURORA
(Post Office Address)SOUTH DAKOTA 57002 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 existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application OCTOBER 24, 19 75
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application OCTOBER 30, 19 75
 Approved NOVEMBER 13, 19 75, Recorded in Book 14 Page 156

WATER RIGHT PERMIT NO. 2429-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2429-3 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 OCTOBER 24, 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 13, 19 78
3. The whole of said work is to be completed on or before NOVEMBER 13, 19 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 13, 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 2.2 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 13, 19 83; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 21ST day of NOVEMBER, 19 75

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer

Certificate of Construction Issued MARCH 26, 19 79Water License Issued MARCH 26, 19 79

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 2 8", Depth 51'
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 14" Thickness 3/16"
- (3) Perforated Screen.
Type Horizontal Slot, Diameter 14", Length 10'
- (4) Gravel Pack, Thickness 6", Length of gravel pack 36'

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 Coarse sand and gravel
from 6' to 51' contain underlain with blue
clay

Depth to top of water bearing material 6'

Depth to bottom of water bearing material 51'

Thickness of water bearing material 45'

Depth to water (ground surface to water level) 5'

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

On same owner's property No water rds. On property owned by others 50 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.

[Signature]
Signature of Applicant

October 24, 1975



Mr. E. L. Leiferman
Aurora, SD 57002

Dear Mr. Leiferman:

We are submitting the analysis of a previous sample used by you (74-948), a well on the south half of section 3, township 109N, range 49W as a representative sample for the intended irrigation in the southwest quarter of section 2, 109, 49. This copy of analysis is being forwarded with your WI-1 form and a copy of this letter to the State Conservation Commission in Pierre. We are assuming that the 2 wells will tap the same aquifer and be of approximately the same quality.

You earlier received a copy of extension circular 654 concerning water and soil interactions. If you have any questions about this application or about the quality of soil interaction, stop in and see us.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Al Aho, County Extension Agent

STAFF CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

Disapproved: _____

NAME: E. L. Leiserson

ADDRESS: Acacia South Dakota - 57002

COUNTY: Brookings

LEGAL DESCRIPTION

1. WELL LOCATION: Sec 1 SW 1/4 Sec 2 - 109 - 49

2. AREA TO BE IRRIGATED: Sec 1 SW 1/4 Sec 2 - 109 - 49

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Center Pivot

4. CROPS TO BE IRRIGATED: Corn & Alfalfa - maybe a few beans

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: mostly level - with slight S.W.

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: being a Fort Pierre loam with a

a loose non-calcareous loam. Sand about 25' below surface. All
underlain with sand about 8' below surface.

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 14-948 {an existing irrigation well about 1/2 mile away,
apparently tapping the same aquifer.

8. SALINITY: EC = 6.94 m-mhos/cm (medium)

9. SODIUM: SAR = 0.15 (low)

I do hereby certify that a chemical analysis of the ground water to be acquired for irrigation from South Dakota State University and:

the land capability for irrigation information has been acquired from

Brookings County Soil Survey # 468

and:

that the legal description for the location of the well and land to be irrigated is true and correct.

[Signature]

Subscribed and sworn before me this

21 day of Oct 1975.

[Signature]

B. B. # 1916

(Title)

10-18-74

St. Reg. 3, T 10911, R 40.

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

By: Shirley Litten

86.00 PAID

Signed.....

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2429-3

(1) WHEREAS, On the 24th day of October A. D. 19 75

E. L. Leiferman

made Water Right Application No. 2429-3 for a permit to use 2.2 cubic feet per second of the water of groundwater (one well)

County of Brookings, State of South Dakota, for irrigation

purposes; and

(2) WHEREAS, On the 13th day of November A. D. 19 75

Permit No. 2429-3 with a date of priority of October 24, 1975

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 13th day of November A. D. 19 80 and for the application to beneficial use of said water on or before the 13th day of November A. D. 19 83

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 2.0 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 portions of the following land all in Section 2-T109N-R49W

	acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$	38
NE $\frac{1}{4}$ SW $\frac{1}{4}$	39
SW $\frac{1}{4}$ SW $\frac{1}{4}$	30
SE $\frac{1}{4}$ SW $\frac{1}{4}$	30
Total	137 acres

NOTE: The well and center pivot is used for the John Collins Permit # 2698-3 also

(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 E. L. Leiferman

of Aurora, South Dakota

the holder and owner of said permit No. 2429-3 a water right dating from October 24, 1975

to use of 2.0 cubic feet per second of the waters

of groundwater (one well)

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

purposes hereinbelow mentioned, to be diverted at a point 2050 ft. North 75° East of the SW

Corner of Section 2-T109N-R49W

and conduct to and upon portions of land in Section 2-T109N-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. 2429-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 26th day of March A. D.

Nineteen Hundred and Seventy-nine

WATER RIGHTS COMMISSION

By:

Chief Engineer, Executive Officer JOHN HATCH

Form 15

Permit No. 2423-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That E. L. Lelferman

_____ the holder _____ of
Permit No. 2423-3, issued upon Application No. 2423-3, bearing date of priority of October 24, 1975 authorizing the diversion of 2423-3 cu. ft. per second of the waters of groundwater (one well) County of Brookings, State of South Dakota at a
point 2050 ft. North 75° East of the SW Corner of Section 2-T109N-R49W

_____, for Irrigation

purposes, has s 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 2.2 cu. ft. per second of water.

Date March 26, 1979

JOHN HATCH, Chief Engineer
Water Rights Commission

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brookings) ss.

I, James M. McAllan Jr. hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Brookings Daily Register

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 Brookings

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

Nov. 5, 1975

Nov. 10, 1975

James M. McAllan Jr.
(Signature)
General Manager
(Title)
10 Nov. 1975
(Date Signed)

No. 614—Nov. 3 & 10

NOTICE
INTENT TO APPROPRIATE WATER
Pierre, South Dakota 57501
October 30, 1975

Notice is hereby given that E.L. Leiferman whose post office address is Aurora, 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 2.2 cubic feet of water per second time from ground water through the Leiferman No. 2, the point of diversion of which is to be located in the SE 1/4 SW 1/4 of Section 2, Twp. 109N, Range 49W. Said water to be used for the purpose of providing irrigation on the following described land: SW 1/4, Section 2, T109N, R49W.

This application No. 2429-3 will be considered by the Water Rights Commission at their office at Pierre upon the 12th day of November, 1975, at 2:30 P.M. All interested persons may appear and be heard.

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

Form 6 - Notice of Intent to Appropriate Water

2429-3

Publish first publication, on or before November 3, 1975

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 30, 1975

Notice is hereby given that E. L. Leiferman

whose post office address is Aurora, 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

2.2 cubic feet of water per second of time from the ~~xxx~~ ground water through the Leiferman #2, the point of diversion of which is to be located in the _____

SE 1/4 SW 1/4

of Section 2, Twp. 109N, Range 49W. Said water to be used for the purpose of providing irrigation on ~~portions of~~ the following described land:

SW 1/4, Section 2, T109N, R49W

This application No. 2429-3 will be considered by the Water Rights Commission at their office at Pierre upon the 12th day of November, 1975, at 2:30 P. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw
cc:

E. L. Leiferman, Aurora, S.D. 57002

RECEIPT
WATER RIGHTS COMMISSION
State of South Dakota

No 4 6803

PIERRE, February 20, 1970

RECEIVED OF E. L. Lelferman, Aurora, SD 57002

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. 2420-3	50	00
Fee for inspecting Beneficial Use, and issuing Water License No. 2420-3		
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

2427-3 E.L. Logans by "Hollow"
5-11-48 Was not for Collins.

Wilmington - H.P. 120

Model T U.V.P. 1715 RPM

Pump H. from 10 ft. 12 in.

Well 52 ft. H.P. 12 in.

1000 ft. pump by 12 in.

C.P. Electrolyte?

Note: The pump and motor & C.P. are
used with John Collins pump
H 2698-3

Permit No. 2429-3Water Division 3 Big Sioux 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 E. B. Heiferman
 of Aurora, S. Dak 57002 holder
 of Permit No. 2429-3, bearing date of priority of October 24, 1975
 authorizing the diversion of 2.2 cu. ft. per second of the waters of Well
 for Irrigation purposes, in Brookings 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:

Motor - Westinghouse 100 HP, 1775 RPM
Model - TUDP
Pump - No name, Made in Mexico

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

2300 ft 8" dia Underground PVC Pipe

C. Works used to apply water to beneficial use.

Electroquater Center PivotThe system is in the following condition: ExcellentThe point of diversion is located 2050 ft N 75° E of the SW corner
of Section 2, T109N R49WThe works are capable of diverting and conveying to the place of use 2.23cu. 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 Section 2, T109N-R49W

NW 1/4 SW 1/4 - 38 Ac., NE 1/4 SW 1/4 - 39 Ac., SW 1/4 SW 1/4 - 30 Ac.,
SE 1/4 SW 1/4 - 30 Ac. =

comprising a total of 137 acres of land.

Well: Depth 54 ft.
Depth to water 4 ft.
Pumping 1000 gpm.

Note: This well and center pivot used for the
 John Collins Permit # 2698-3. Also

Date May 23, 1978
LeRoy J. McManis
 (Signature)



Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/773-3151

March 27, 1979

E. L. Lelferman
Aurora,
SD 57002

Dear Mr. Lelferman:

Enclosed herewith are, Water License No. 2429-3 and Certificate of Construction.

Water License No. 2429-3 is the final water right document completing your process of obtaining 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 Commission

JH: plh

Enclosures

NOTE: Your pump capacity is 2.2 cfs (1000 gpm) and based upon the acreage actually irrigated you are entitled to divert 2.0 cfs (900 gpm). Any diversion in excess of 2.0 cfs would be a violation of your Water Right.

Point of Diversion - 2475' N 83° E of SW
 Corner sec 2-109-49

E. L. LEIFERMAN

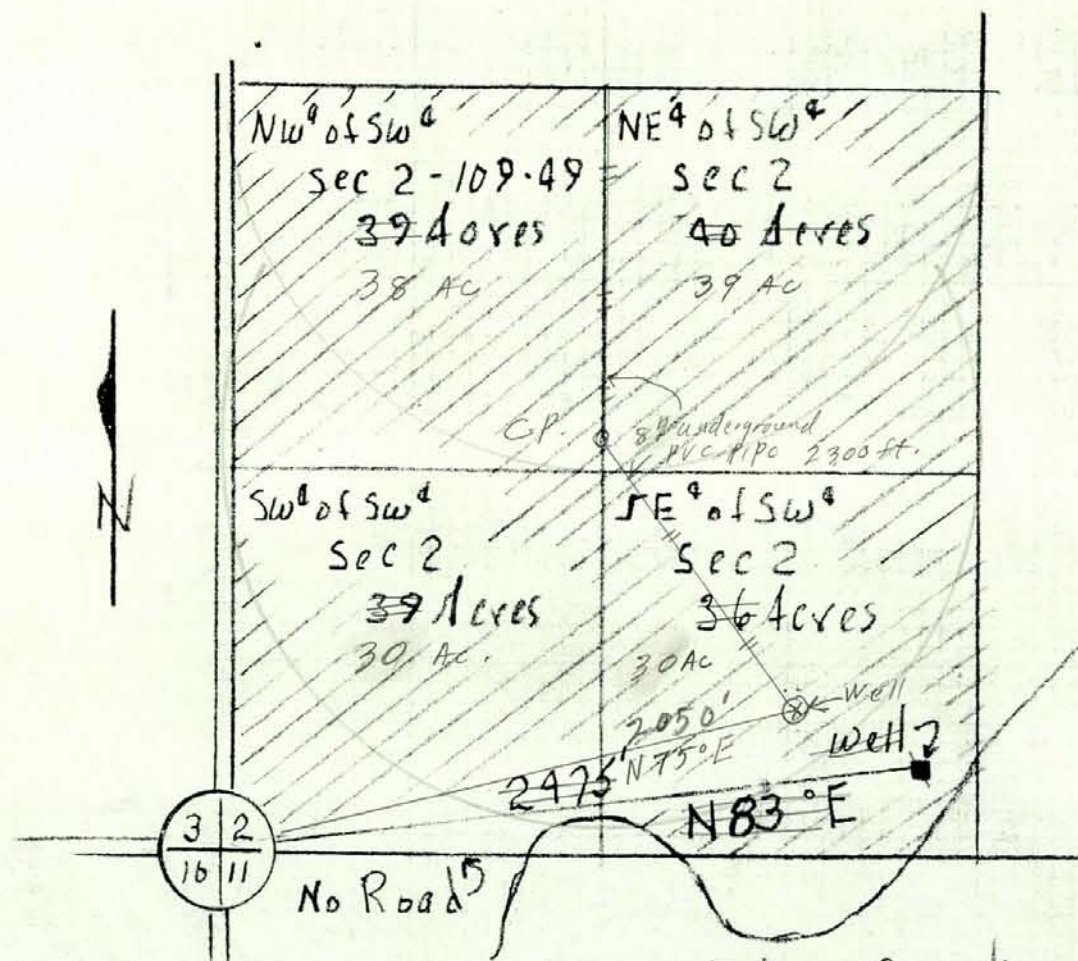
IRRIGATION PROJECT #2

Aurora

South Dakota

Brookings County

Acres Irrigated - 154
 Water Claimed - 2.2 cfs



SW 1/4 of Sec 2-109-49
 Scale - 8" = 1 Mile

Surveyor's Certificate

I, John L. Wiersma, do hereby certify that
 this map identifies a reasonably accurate
 record of the land of:

E. L. Leiferman

Aurora

57002

South Dakota

Brookings County

Oct 21, 1975

John L. Wiersma

P.E.#1916
 Brookings Co.

MAP # 15003 APPL # 2429-3