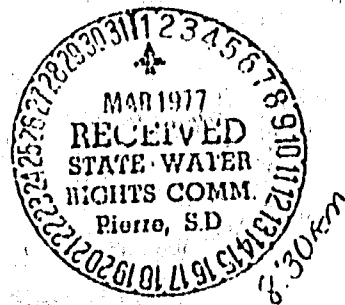


Water Right Number 3724-3

1. Considered 3-23, 19 77
2. Name of Applicant ROBERT ENDRES
3. Post Office Address WATERTOWN
4. Amount of Water claimed 2.20
5. Source of Water supply 2-35' WELLS
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in CODINGTON County
about 3E, 3S miles of WATERTOWN
8. Proof of Publication Received 3-21-77
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action Deferred _____

10. Remarks:

No. 3724-3Map No. 2998-3 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 Robert Endres
Postoffice address RR 4, Watertown, State South Dakota
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 Robert Endres No. 2
4. Amount of water claimed (cubic feet per second) 2.2 CFS
5. Source of water supply Wells in shallow aquifer
6. Location of point of diversion center of NW 1/4 Section 22 T 116N R 52W Codington Co.
1/2 mile west of center of
EAST
CENTER NW 1/4 County CODINGTON

7. Annual period or periods during which water is to be used May - September
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 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.
<u>NW 1/4 Sec. 22-T116N-R52W</u>	<u>160</u>		

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 water to the proposed beneficial use _____ years.
11. Name of newspaper for Notice of Intent to Appropriate Water publication Watertown Public Opinion
12. Principal Features of the Proposed Water Supply System.

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

Wells

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

Pipeline

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$50,000.00Attachments: 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

County of CodingtonI, Robert Endres, 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 Robert EndresSubscribed and sworn to before me this 27 day of February, 1977Emile J. Morris
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3724-3

ROBERT ENDRES
(Applicant)

R.R. #1, WATERTOWN
(Post Office Address)

SOUTH DAKOTA 57201 With the following modifications:
(State)

The irrigation wells 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 MARCH 1, 19 77

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

Date of receipt of corrected application MARCH 7, 19 77

Approved MARCH 23, 19 77, Recorded in Book 18 Page 71

WATER RIGHT PERMIT NO. 3724-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3724-3 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 1, 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 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 23, 19 80
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 MARCH 23, 19 80; said water to be used during the following described annual period: MAY-SEPTEMBER

Witness my hand this 21ST day of APRIL, 19 77

WATER RIGHTS COMMISSION

By: John H. Helt
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 24 inches, Depth 35 feet

(2) Casing, Type steel (wood, concrete, steel, etc.) Diameter 12 inches Thickness

(3) Perforated Screen.

Type Punched steel, Diameter 12 inches, Length 12 feet

(4) Gravel Pack, Thickness 6 inches, Length of gravel pack 15 feet

E. Dugout Information or Estimates.

(1) Surface dimensions N.A., 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

Depth to top of water bearing material 12 feet

Depth to bottom of water bearing material 35 feet

Thickness of water bearing material 23 feet

Depth to water (ground surface to water level)

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

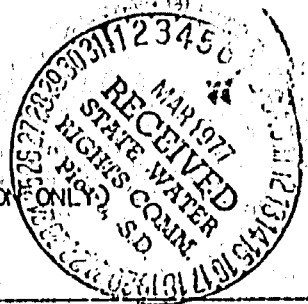
On same owner's property 80 rds. On property owned by others 110 rds.

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.

Robert E. Cullen
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)



NAME Robert L. Embrey
ADDRESS P.O. 4 Watertown
COUNTY Codington

LEGAL DESCRIPTION

1. WELL LOCATION well 112 of NW 22-116-52
2. LOCATION OF AREA TO BE IRRIGATED NW 22-116-52

TYPE OF IRRIGATION

3. GRAVITY TOWLINE CENTER PIVOT ✓ GUN
4. CROPS TO BE IRRIGATED corn alfalfa

WATER QUALITY

5. SAMPLE NUMBER 77-302
6. SALINITY (EC X 10⁶) 113.9 (high)
7. SODIUM (SAR) 0.67 (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.

Robert L. Embrey
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
18 DAY OF Feb 1977.

John C. Williams
(TITLE OR SEAL)

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: Robert Andres
 Address: Rt. 4
Watertown, SD 57201

Date Rec'd February 18, 1977
 Sample No. 77-302
 Identification Well-25'
Int., Sec. 22, T 116N, R 52W

WATER ANALYSIS

Calcium (Ca)	156	ppm*	7.80	me/l**
Magnesium (Mg)	53	ppm	4.35	me/l
Sodium (Na)	38	ppm	1.65	me/l
Potassium (K)	6	ppm	0.16	me/l
Sulfate (SO ₄)	335	ppm	6.97	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	16	ppm	0.45	me/l
Bicarbonate (HCO ₃)	432	ppm	7.08	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)	354	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1139	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.67			
Sodium	11.81	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.30			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 13.96 me/l
 Total anions 14.50 me/l

By: Shirley Litten

Service Performed

Amount Due

Irrigation analysis

\$15.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-302

Amount Enclosed

Signed

March 2, 1977

Mr. Robert L. Endras
R.R. #4
Watertown, SD 57201

Dear Mr. Endras:

Your water sample (Lab. No. 77-302) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

I am also enclosing a copy of AES pamphlet #13 for your use. The quality of your water for irrigation use is plotted approximately by means of the red cross in the chart on the outside back cover.

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

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

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOP:ckb

Enclosures

cc: State Conservation Commission
D. Pahl, Extension Service

Form 6 - Notice of Intent to Appropriate Water

No. 3724-3

Publish first publication, on or before 13, 1977

**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

13, 1977

Notice is hereby given that Robert Anderson
whose post office address is Box 114, 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 ground water through the
Robert Anderson, the point of diversion of which is to be located in the

Quarter of NW 1/4 Center of E 1/4 NW 1/4
of Section 22, Twp. 113N, Range 52W. Said water to be used for the purpose
of providing irrigation on the following described land:

NW 1/4, Section 22-T113N-R52W

This application No. 3724-3 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: Robert Anderson, R.R. #4, Watertown, S. Dak.

Form 10.

No. 3724-3



NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USE

Post Office Watertown

Date Aug. 2-77

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. 3724-3

Water Right Permit No. 3724-3 states that the diversion system is to be constructed by 3/23/80 19 80 and that the water is to be put to beneficial use by 3-23, 19 80.

The diversion system was completed on 6-2, 19 77.
Applying the water to beneficial use was completed on 6-2-77, 19 77.

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.

Robert Endres
(Signature)



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

MAR 26 1992

5562-3

Robert L. Endres
RR 4, Box 8
Watertown, SD 57201

Dear Mr. Endres:

Enclosed is Water License No. 5562-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413125 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. 5562-3, 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,

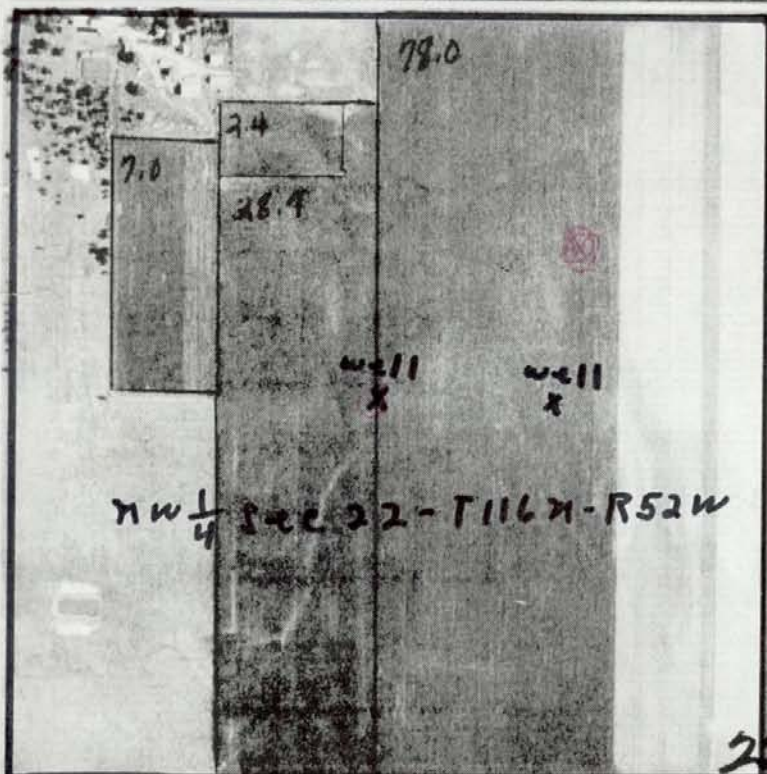
JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures

NOTE: The applicable portions of Water Permit No. 3724-3 are incorporated into this Water License No. 5562-3.

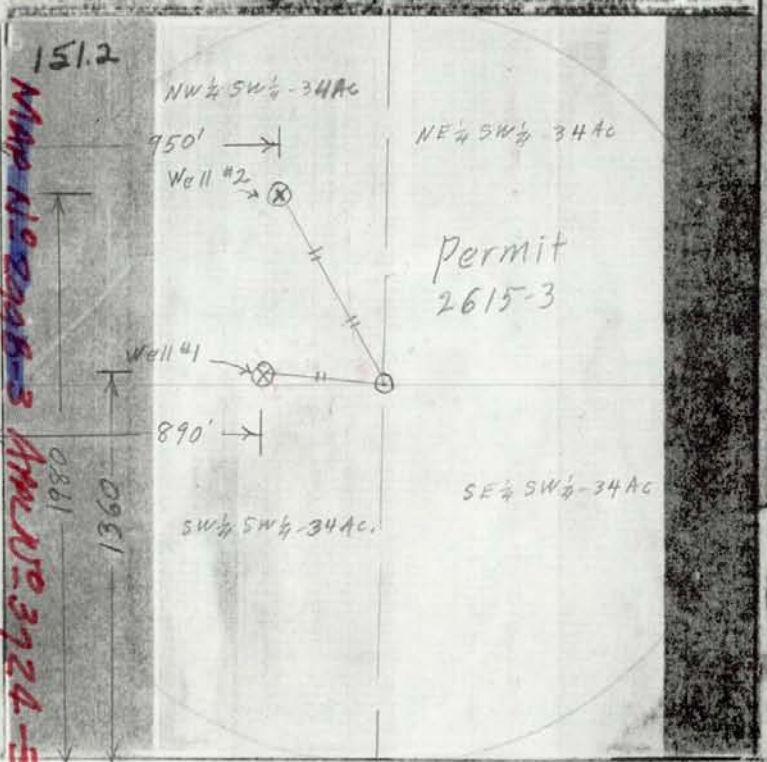
Robert Endres Irrigation No II

116-52



3-22 7C

22



96.3

116-52

map by Fred Morris
and co. agent