

Water Right Number 2418-3

1. Considered November 12, 19 75

2. Name of Applicant Edward E. Brenner

3. Post Office Address Hitchcock, S.D.

4. Amount of water claimed 2.22

5. Source of water supply ground water (100' DEEP WELL)

6. Water to be used for irrigation

Acres to be irrigated 160

7. Water to be diverted and used in Spink County

about 10E, 5N Miles 1st of HITCHCOCK

8. Proof of Publication

Received 1st

Not received _____

9. Application

Approved _____

Subject to _____

Not approved _____

Action deferred _____

10. Remarks:

Map No. 1795-3 Water Division No. 3 JAMES RIVER
(Blanks to be filled by the Engineer for the W. R. C.)

District

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Edward F. Brenner
 Postoffice address Nutten State AD 57348
 If a corporation show date and place of incorporation NO
2. Method of accomplishing work (contract, employment, or other, or direct labor) direct labor
3. Name of diversion work Well - Sprinkly System
4. Amount of water claimed (cubic feet per second) 1000 per minute 2.22
5. Source of water supply Well
6. Location of point of diversion Center of NE 1/4-12-114-62

7. Annual period or periods during which water is to be used May to 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>NE 1/4-12-114-62</u>	<u>160</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 year. Additional time required to complete application of water to the proposed beneficial use 1 year
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Redfield Press
12. Principal Features of the Proposed Water Supply System.

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

B. Works proposed to transport water to place of use

C. Works proposed to apply water to beneficial use.

Estimated Total Cost \$ 38,000.-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 SpinkI, Edward F. Brenner, 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 Edward F. BrennerSubscribed and sworn to before me this 19 day of August, 1925

Notary Public (or other qualified officer)

Notary Public for South Dakota, 1924

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2418-3

EDINARD BRENNER
(Applicant)

HITCHCOCK
(Post Office Address)

SOUTH DAKOTA 57348 With the following modifications
(State)

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 existing domestic wells.

Date of first receipt of application AUGUST 20 19 75
Date of return to applicant for correction, amendments or changes required _____ 19 ____
Date of receipt of corrected application OCTOBER 15 19 75
Approved NOVEMBER 13 19 75 Recorded in Book 14 Page 146

WATER RIGHT PERMIT NO. 2418-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2418-3 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 AUGUST 20 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 76
3. The whole of said work is to be completed on or before NOVEMBER 13 19 76
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 13 19 77
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 2.22 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 77; said water to be used during the following described annual period: MAY THRU SEPTEMBER

Witness my hand this 21ST day of NOVEMBER 19 75

WATER RESOURCES COMMISSION

By: John H. H. H.
Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 15 19 77

Water License Issued SEPTEMBER 15 19 77

7418-3

(1) WELL CONSTRUCTION

Location of well: 1/4 1/4 NE Section 13 Township 114 Range 62

Well owner Edward Brenner Hitchcock SD. 57348
(Name) (Address)

Date well drilling completed 10/10/75 Purpose of well Domestic
(domestic irrigation, municipal, industrial, other)

[illegible]

Depth to top of water producing aquifer 40 ft.
Depth to static water level 360 ft.
Name of producing aquifer (if known) Gravelly
Total depth of drill hole 80 ft.
Depth to bottom of casing 50 ft.

Casing information: In the space below show casing size, weight, casing diameter, etc., for production casing and surface casing, if used.

0-40 11c" ID Fiberglass

40-80 16" ID. Fiberglass

Empire Irrigation Drilling Co.
Name of Drilling Contractor

PUMP INSTALLATION

Company name and size of pump Not done by Empire HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M. _____

Depth of pump placement _____ ft., Date of pump installation _____

WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.08 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

4. tube diameter _____

Name of Pump Installation Contractor

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 27 1/2", Depth 100'
(2) Casing, Type Plastic, Diameter 15 1/2", Thickness .413
(wood, concrete, steel, etc)
(3) Perforated Screen, Type Plastic, Diameter 15 1/2", Length 40'
(4) Gravel Pack, Thickness 6", Length of gravel pack Top to Bottom

E. Dugout Information or Estimates.

(1) Surface dimensions NO, 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 _____

Depth to top of water bearing material 35 ft to 90 ft
Depth to bottom of water bearing material 100
Thickness of water bearing material 55 feet
Depth to water (ground surface to water level) 36 feet

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

On same owner's property 90 rds. On property owned by others 90 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.

E. duval E. Brunner
Signature of Applicant

October 1, 1975



Mr. Ed Brenner
c/o Huron Drilling Co.
Box 1422
Huron, SD 57350

Dear Sir:

Enclosed please find the original copy of the report of analysis of the water sample submitted here September 10. This sample, #75-847, was analyzed and earlier the report had been sent to you. The conductivity is 2109 which puts it in the high salt bracket but the sodium adsorption ratio is 2.78 which means that the sodium hazard or dispersion possibilities are rather low. Thus, this water is suitable for irrigation on soils which have fair to good internal drainage, and there should be no problem of loss of structure as time goes on. However, you are aware that some of the soils do have slight depressions and areas which let water through rather slowly. Thus, irrigation on this land would have that hazard and would result in disappointing performance of crops whenever the water table rose due to natural rainfall or whenever the water stood on the surface, due to either rainfall or irrigation operations. With that rise in water table would also come some salts from the soil sub-surface horizons which do contain salt naturally. In addition to that, the salt of the irrigation water is considerable. Thus, I would recommend that this water supply be used only sparingly that is, as infrequently as possible and in fairly large amounts when it is used. You should irrigate to completely replenish the total root zone water supply when you do irrigate, and then not irrigate until absolutely essential. Sometimes it may be desirable to not irrigate at all during an entire growing season. If salts do show up at the soil surface as evidenced by whitish or gray crusts, or if plants begin to perform poorly and have a poor yellow color, you should be getting in touch with the extension office or someone in water resources or soils work for instructions on management for possible leaching.

The WI-1 form and a copy of this letter and the water analysis are being sent to the State Conservation Commission.

I am sending you herewith a copy of extension circular 654. On the outside back cover of this circular is a red cross denoting the approximate quality of this water for irrigation uses. Also you will find some explanatory material in the circular which help you to understand the problems that will develop with this water.

Sincerely yours,

L. O. Fine

L. O. Fine

State Conservation Commission, D. Pahl, Robert Sampson (County Ext. Ag.)

STATE 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: Edward E Brenner

ADDRESS: Hitchcock

COUNTY: Spink

LEGAL DESCRIPTION

1. WELL LOCATION: NE 1/4 114-62-12
2. AREA TO BE IRRIGATED: NE 1/4 Sec 12

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): T.C.
4. CROPS TO BE IRRIGATED: Corn Alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0-270
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION:
Bandle silt loam ^{Houdok.} Bandle crossbedded silt loam
+ tan ka silt loam

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 15-847
8. SALINITY: EC = 2109 μ mhos/cm (high)
9. SODIUM: SAR = 2.78 (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

and:

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

Edward E. Brunner

Subscribed and sworn before me this

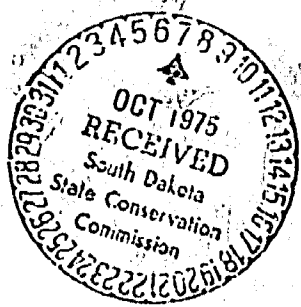
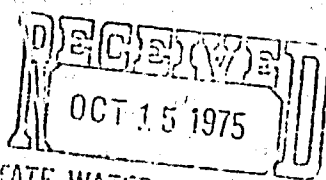
29 day of September 1975.

Charles Reed

Notary Public

(Title)

My Commission Expires Nov. 13, 1978



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

Submitted by: Ed Brenner, Hitchcock, SD Date Rec'd: September 10, 1975
 Address: o/o Huron Drilling Co. Sample No. 75-847
Box 1422 Identification Well 90'
Huron, SD 57350 RE4, Sec. 12, T 114N, R 62W

WATER ANALYSIS

Calcium (Ca)	260	ppm*	13.00	me/l**
Magnesium (Mg)	68	ppm	5.58	me/l
Sodium (Na)	195	ppm	8.48	me/l
Potassium (K)	14	ppm	0.35	me/l
Sulfate (SO ₄)	560	ppm	11.65	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.07	me/l
Bicarbonate (HCO ₃)	698	ppm	11.44	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)	572	ppm (as CaCO ₃)		
Alkalinity (Penolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	2109	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	2.78			
Sodium	30.93	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.00			
Others:				

*ppm==parts per million

**me/l==milliequivalents per liter

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

COMMENTS: Total cations 27.41 me/l
 Total anions 23.16 me/l

By: Shirley Kitten

Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-847

Amount Enclosed \$

Signed

August 22, 1975

Mr. E. F. Brenner
Hitchcock, SD 57348

Dear Mr. Brenner:

Enclosed please find the original copy of the report of analysis of the water sample submitted here recently. Also enclosed you will find a copy of extension circular 654 with the approximate quality of this water for irrigation denoted by a red cross in the diagram on the outside back cover. Please retain this report and the circular.

This water is fairly high in total salt, and medium in sodium hazard. In addition, it has a higher than normal bicarbonate ion content. This bicarbonate ion speeds the precipitation of calcium and magnesium when the irrigation water becomes the soil solution, and accentuates the tendency for the water to become a high-sodium water and impart this characteristic to the soil. A sodium-rich soil is a true alkali soil and is like the Cavour and Exline soils of claypan areas in Spink and Beadle counties.

What I'm trying to say is that the use of this water could be very hazardous to the tilth of your soil, and such deterioration has already happened on several farms in Beadle and Spink Counties, using waters similar to this, but worse. If you do get a permit and develop this supply and use it, by all means, use it as infrequently as possible and in large amounts--sufficient to refill the soil water reservoir to the depth of rooting of your crop each time you irrigate. Sometimes this may be as much as 6 inches of water. There are many reasons for this procedure, but suffice it to say that frequent, light irrigations will hasten the problem into significant magnitude to be serious.

A copy of this letter, the WI-1 form and the water analysis are being forwarded to the State Conservation Commission.

Sincerely yours,

L. O. Fine
L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Robert Sampson, County Extension Agent



Conservation
Commission
Form WI #1

STATE 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: _____

Disapproved: [Signature]

NAME: Edward E. Brenner

ADDRESS: Hitchcock So. Dak 57348

COUNTY: SPIRIT

LEGAL DESCRIPTION

1. WELL LOCATION: NE $\frac{1}{4}$ Sec 114-62 Cornwall Township

2. AREA TO BE IRRIGATED: NE $\frac{1}{4}$ 114-62

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Sprinkler system

4. CROPS TO BE IRRIGATED: Corn - alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 2% slope to East

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: ~~Black dirt~~ clay
Beaule silt loam

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 75-745

8. SALINITY: EC = 1262 μ mhos/cm (high)

9. SODIUM: SAR = 5.56

Residual sodium carbonate: 1.46 me/L

CAUTION!

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

Edward E. Brunner

and:

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

Edward E. Brunner

Subscribed and sworn before me this

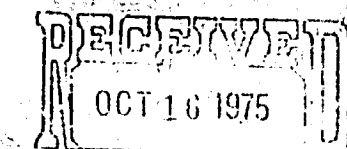
20 day of August 1975.

Wm. D. Dilling, Jr.

James A. Dilling

(Title)

Dec. Sec.
Commission Expires 11-6-76



STATE WATER RIGHTS



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

Submitted by: Ed. Dronner
 Address: Hitchcock, SD 57348

Date Rec'd: August 18, 1975
 Sample No.: 75-745
 Identification: 1012
Net, Sec. 12 T 114N, R 62W

WATER ANALYSIS

Calcium (Ca)	80	ppm*	4.00	me/l**
Magnesium (Mg)	31	ppm	2.54	me/l
Sodium (Na)	231	ppm	10.05	me/l
Potassium (K)	20	ppm	0.51	me/l
Sulfate (SO ₄)	245	ppm	5.10	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	6	ppm	0.17	me/l
Bicarbonate (HCO ₃)	488	ppm	8.00	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)	400	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1262	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	5.56			
Sodium	58.77	% of cations		
Residual sodium carbonate	1.46	me/l		
pH	8.14			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 17.10 me/l
 Total anions 13.27 me/l

By: Shirley Kitten

Service Performed	Amount Due
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Irrigation analysis

\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-735

Amount Enclosed \$

Signed

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2418-3

(1) WHEREAS, On the 20th day of August A. D. 19 75
Edward Brenner

made Water Right Application No. 2418-3 for a permit to use 2.22 cubic feet per second of the waters
of ground water

County of Spink, State of South Dakota, for irrigation
purposes; and

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

Permit No. 2418-3, with a date of priority of August 20, 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 76 and for the
application to beneficial use of said water on or before the 13th day of November A. D. 19 77,

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 1.94 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,

for irrigating a 136 acre circle in the NE $\frac{1}{4}$, Section 12, T114N, R62W

(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 Edward Brenner

_____ of Hitchcock
the holder _____ and owner _____ of said permit No. 241B-3 a water right, dating from August 20, 1975
_____ to use of 1.94 cubic feet per second of the waters
of ground water
in the County of Spink and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at _____
a point 1320'S and 1416'W of the NE corner, Section 12, T114N, R62W

and conduct to and upon a 136 acre circle in the NE 1/4, Section 12, T114N, R62W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 241B-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 15th day of September A. D.
Nineteen Hundred and seventy-seven

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer JOHN HATCH

Form 15.

Permit No. 2418-3

Water Diversion No. 3 James River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Edward Brenner

_____ the holder _____ of
Permit No. 2418-3, issued upon Application No. 2418-3, bearing date of priority of August 20,
1975 authorizing the diversion of 2.22 cu. ft. per second of the waters of _____
ground water County of Spink, State of South Dakota at _____
a point 1320'S and 1416'W of the NE corner, Section 12, T114N,
R62W

_____, 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 2.11 cu. ft. per second of water.

Date September 15, 1977

By:

~~CHIEF ENGINEER~~
WATER RIGHTS COMMISSION

John Hatch
JOHN HATCH, Chief Engineer

2418-3

Publish first publication, on or before October 31, 1975

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 27, 1975

Notice is hereby given that Edward E. Brenner

whose post office address is Hitchcock, 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

2.22 cubic feet of water per second of time from ~~the~~ ground water through the Brenner #1, the point of diversion of which is to be located in the _____

Center of the NE 1/4

of Section 12, Twp. 114N, Range 62W. Said water to be used for the purpose of providing irrigation on the following described land:

NE 1/4, Section 12, T114N, R62W

This application No. 3417-3 will be considered by the Water Rights Commission at their office at Pierre upon the 19th 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:

Edward E. Brenner, Hitchcock, S.D. 57348

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Beadle) ss.

I, ~~James~~ Dorothy Murphy hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Huron Daily Plainsman

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 Huron

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

October 31, 1975

October 31, 1975

Dorothy Murphy
(Signature)

Banker
(Title)

11-7-75
(Date Signed)

F.P. 1031-75
NOTICE INTENT TO
APPROPRIATE WATER
PIERRE, SOUTH DAKOTA 57501
October 27, 1975

Notice is hereby given that
Edward E. Brenner whose post
office address is Hitchcock, 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 2.22 cubic feet of water per
second of time from ground water
through the Brenner No. 1, the point
of diversion of which is to be located
in the Center of the NE 1/4 of Section
12, Twp. 114N, Range 62W. Said
water to be used for the purpose of
providing irrigation on the following
described land: NE 1/4, Section 11,
T114N, R62W.

This application No. 2417-3 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: HURTON F. JONES
Water Rights Specialist
cc: Edward E. Brenner, Hitchcock,
S. D. 57348.

No. 574 (adv.)

1975

Permit No. 2418-3
 Water Division 3 James River Water District

REPORT 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 Edward F. Brenner of Hitchcock, S. Dak. 57348 holder of Permit No. 2418-3, bearing date of priority of August 20, 1975 authorizing the diversion of 2.22 cu. ft. per second of the waters of Ground for Irrigation purposes, in Spink 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: Pump: Layne Bowler, No. 72943, Type 12RM, Stage 4. Pumping 950 gpm
Motor: High Thrust, US Electrical. HP 75; RPM 1760
ID# R-XA 718-00-669.
- B. Works used to transport water to place of use,
96 ft of 8" dia. Aluminum pipe.
- C. Works used to apply water to beneficial use.
T & L Center Pivot; Ser# 1037. covers 136 Acres

The system is in the following condition: Excellent.

The point of diversion is located 1320 ft South and 1416 ft West of the NE corner of Section 12, T114N R62W

The works are capable of diverting and conveying to the place of use 2.11

cu. 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: All in Sec 12, T114N R62W
NW 1/4 NE 1/4 - 34 Ac. NE 1/4 NE 1/4 - 34 Ac. SW 1/4 NE 1/4 - 34 Ac.
SE 1/4 NE 1/4 - 34 Ac.

comprising a total of 136 acres of land.

Well Data.

Depth 81 ft.

Depth to Water 37 ft.

Casing 16" Fiber Glass

Tested to 1050 gpm

Est Capacity 1400-1800 gpm

Date Oct 1, 1976
LaRoy J. McManugh
 (Signature)



Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/224-3151

September 27, 1977

Edward E. Brenner
Hitchcock, SD 57346

Dear Mr. Brenner:

Enclosed herewith are, Water License No. 2418-3 and Certificate of Construction.

Water License No. 2418-3 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: gy

Enclosures

NOTE: Your pump capacity is 2.11 cfs (947 gpm). Based upon the acreage actually irrigated you are entitled to only divert 1.94 cfs (871 gpm). Any diversion in excess of 1.94 cfs would be a violation of your water right.



2418-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

May 7, 1993

Paul Reisch
Farm Credit Services
PO Box 786
Watertown, SD 57201-0786

Dear Mr. Reisch:

Inclosed, as you requested, are copies of Water Right Nos. 2418-3 and 4753-3. These water rights, listed in the name of Edward Brenner, are for the E1/2 Section 12 and the NE1/4 Section 13, T114N, R62W.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Natural Resources Analyst
Water Rights Division
(605) 773-3352

cc: [unclear]



2418-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 3, 1994

2418-3
5123-3
5149-3

Craig Summers
Farm Credit Services
PO Box 1987
Aberdeen, SD 57401

Dear Craig:

Enclosed, as you requested, are copies of Water Right Nos. 2418-3, 5123-3 and 5149-3. Water Right No. 2418-3 is listed in the name of Edward Brenner and Water Right Nos. 5123-3 and 5149-3 are listed in the name of Allen Gatzke.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosures



2418-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 27, 1995

2418-3
4753-3

Jeff Gatzke
HC 75 Box 146
Hitchcock, SD 57348

Dear Mr. Gatzke:

Enclosed, as we discussed, are partially completed "Notice of Transfer of Ownership" forms for use in filing ownership changes with Water Right Nos. 2418-3 and 4753-3. The water rights are currently listed in the name of Edward Brenner.

Please review the forms for accuracy and complete the area marked "to be transferred to: (name & address)". Upon completion, please sign the forms in the presence of a notary public and then return them to our office with a required filing fee of \$2.50 each (total of \$5.00). Once we receive the forms and filing fees, all pertinent records will be transferred to your name.

Also enclosed are copies of Water Right Nos. 2418-3 and 4753-3. You may keep these for your records. I have also included a blank irrigation questionnaire showing the things you will need to keep track of during the irrigation season. The irrigation questionnaires are mailed from our office in October or November of each year. The 1994 questionnaires were completed during our telephone conversation.

If you have any questions concerning completion of the transfer forms or the enclosed water rights, please contact me.

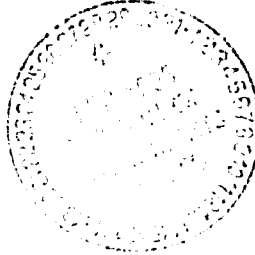
Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181



No. 2418-3

Date: 2/1/95

I\We request that Water Right No. 2418-3

formerly owned by: Edward Brenner

be transferred to: (name & address) Jeffrey Gatzke

HC 75 Box 146 Hitchcock, SD 57348 (Telephone No) 266-2574

Title to the following described land(s)/property has been transferred as described above:

136 acres in the NE 1/4 Section 12, T114N, R62W

I\We understand that the validity of Water Right No. 2418-3 has not been determined by this transfer action. If I\We have any questions on validity, I\We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file at the Division of Water Rights, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)

County of SPINK)

I\We Jeffrey Gatzke being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Jeffrey Gatzke
(Signed)

Subscribed and sworn to before me this 20th day of Feb, 1995.

Walter Kilpatrick
(Notary Public)

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

414421

Division of Water Rights

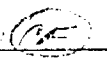
South Dakota Department of Environment and Natural Resources

Pierre, February 28, 19 95

RECEIVED OF Jeffery Katzke, HC 75, Box 146, Hitchcock, SD 57348
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form <u>Water Right No. 2418-3</u>	2	50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	2 50

By *John Hatch* 
Chief Engineer



2418-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

April 7, 1995

No. 2418-3
4753-3

Jeffery Gatzke
HC 75, Box 146
Hitchcock, SD 57348

Dear Mr. Gatzke:

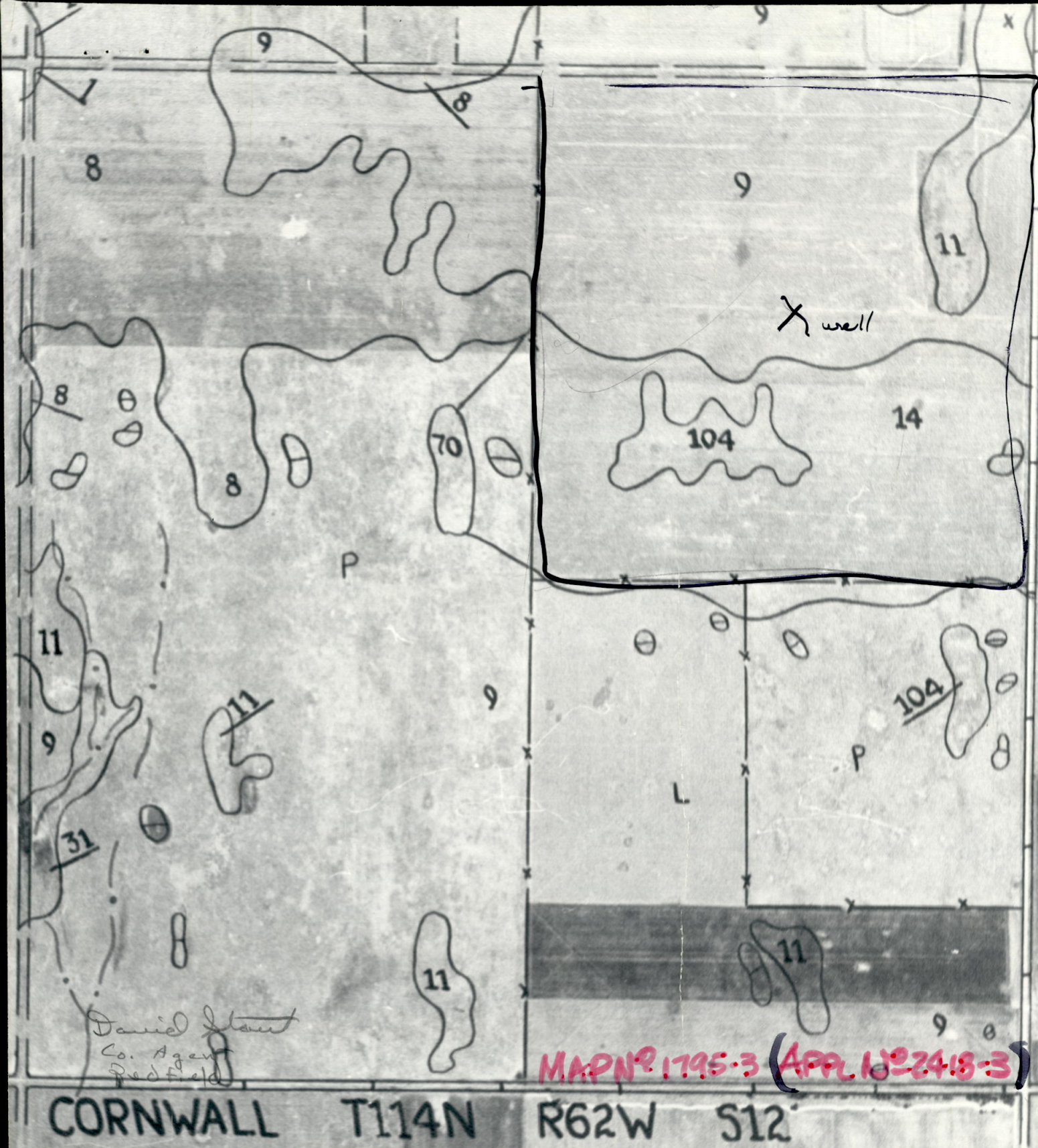
Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Right Nos. 2418-3 and 4753-3.

Our records now show you as the owner of Water Right Nos. 2418-3 and 4753-3.

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

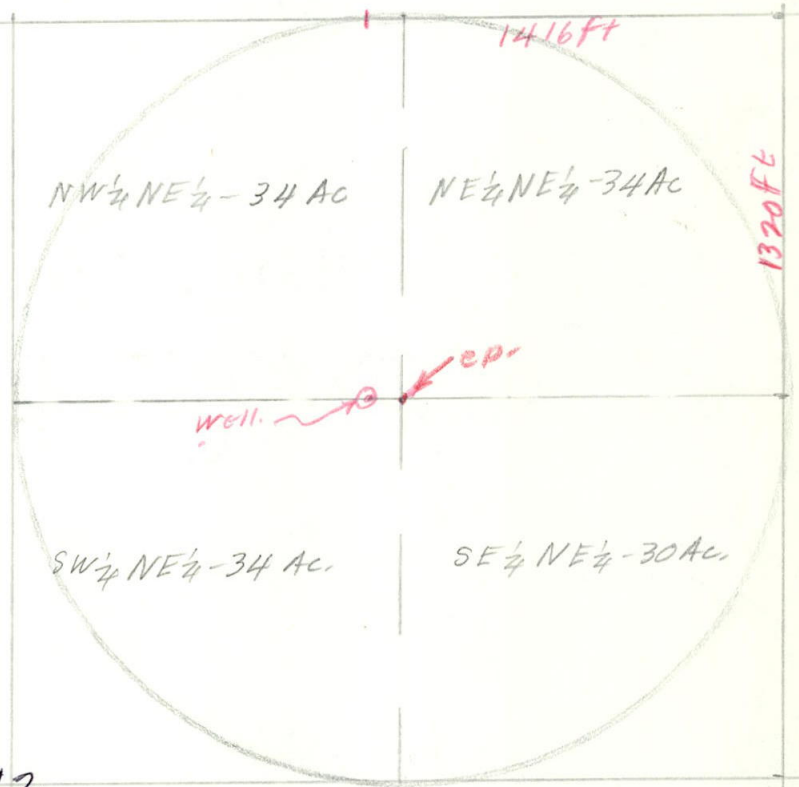
enclosure



Edward E Brenner

Appl. # 2418-3

NE $\frac{1}{4}$ -12 T 114 N R 62 W.



Substitute Map. Unable to
locate original
J. J. Mernagh

Map # 1795-3 (Appl. # 2418-3)