

2495-3

1. Considered 1-22, 1976
2. Name of Applicant ERWIN ECKMANN
3. Post Office Address CAVOUR
4. Amount of water claimed 2.2
5. Source of water supply GROUND WATER (94' DEEP WELL)
6. Water to be used for IRRIGATION
Acres to be irrigated 151
7. Water to be diverted and used in BEADLE county
about 2E, IN miles of CAVOUR
8. Proof of Publication
Received 1-16-76
Not received
9. Application
Approved
Subject to
Not Approved
Action deferred
10. Remarks:

No. 2495-3Map No. 1867-3 Water Division No. 3 JAMES 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 Ervin Eckmann
Postoffice address Casper, State South Dakota 57329
If a corporation show date and place of incorporation N. J.
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Ervin Eckmann Irrigation Project H 2
4. Amount of water claimed (cubic feet per second) 2.2
5. Source of water supply Well
6. Location of point of diversion 2080' N 38° E of SW corner sec 25 111-60

County Beauregard

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, 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.	Land Description	No. Acres Irr.
NW 1/4 Sec 25 111-60	3.9		
NE 1/4 Sec 25	40		
SW 1/4 Sec 25	33		
SE 1/4 Sec 25	39		

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 Huron Daily Plainsman
12. Principal Features of the Proposed Water Supply System.

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

well with deep well turbine electrically driven

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 & tow lineEstimated Total Cost \$50,000Attachments: 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 BrookingsI, Ervin Eckmann, 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 Ervin EckmannSubscribed and sworn to before me this 5 day of Dec 1975John S. W. W. W.
(Notary Public (or other qualified officer))

P. E. H 1916

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2495-3

ERVIN ECKMANN

CAVOUR

(Applicant)

(Post Office Address)

SOUTH DAKOTA 57324

(State)

With the following modifications:

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

DECEMBER 15, 19 75

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

—, 19 —

Date of receipt of corrected application

DECEMBER 24, 19 75

Approved

JANUARY 23, 19 76

Recorded in Book

14

Page

251

WATER RIGHT PERMIT NO. 2495-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2495-3 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 DECEMBER 15, 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 23, 19 78
3. The whole of said work is to be completed on or before JANUARY 23, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 23, 19 84
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 JANUARY 23, 19 84; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this

2ND

day of

FEBRUARY, 19 76

WATER RIGHTS COMMISSION

By:

John H. Hester
Chief Engineer, Executive Officer

Certificate of Construction Issued

19 —

Water License Issued

19 —

IRRIGATION DRILLING CO., INC.

P. O. Box 1252

Ph. 352-4587

DRILLING REPORT

Location of Well _____ 1/4, _____ 1/4, Section 22, Township 111, Range 60
Well to be drilled for: Carbon (Name) Eckman (Address) Barvier

(County) Beulah (State) So Dak
Date well drilling started 5-9-75 finished 5-9-75

Purpose of well _____
(domestic, irrigation, industrial, other)

Depth 85 ft. Casing Diameter 2 1/2 inches
Slot Size 2/2 Screen Size 2 1/2
Screen Depth: From 65 ft. to 85 ft.

Remarks:

Remarks: Downy pullid

NORTH

1 Mile

REPORT OF FINAL PUMPING TEST
Write Additional Times and Readings on Back of Page

Date _____

Elapsed Time From Start of Pumping		Water Level		Discharge
0 hr.	0 m.n.	17 ft.	0 in.	(Static)
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	RECOVERY

[illegible]

2490-

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: 1/4 1/4 SW Section 25 Township 111 Range 60
 Well owner Ervin Eckman Cauley, S.D.
 (Name) (Address)
 Date well drilling completed 4/10/76 Purpose of well Irrigation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer
0-2	top soil	90
2-20	yellow clay	104
20-35	gravel	Name of producing aquifer (if known) <u>sand-gravel</u>
35-48	gray till	Total depth of drill hole <u>133</u>
48-58	sand & gravel	Depth to bottom of casing <u>133</u>
58-62	clay	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.
62-100	sand (med)	<u>0-93' 16" I.D.</u>
100-133	sand & gravel	<u>Fiberglass</u>
133-	clay & sand	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
		<u>93-133' 16" I.D.</u>
		<u>Fiberglass</u>

Attach sheet if more space is needed

If a flowing well, flow of completed well _____ G.P.M.

Empire Irrigation Drilling Co.
 Name of Drilling Contractor W. G. G.

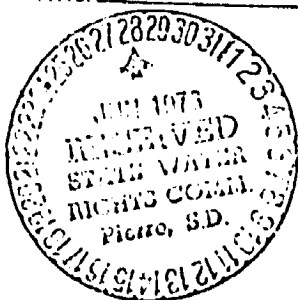
(2) PUMP INSTALLATION

Company name and size of pump Western Land Roller HP 100
 Type of pump turbine Capacity of installed pump _____ G.P.M.
 Depth of pump placement 115 ft., Date of pump installation May 1976

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____



Empire Irrigation Drilling
 Name of Pump Installation Contractor W. G. G.

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 20", Depth 94'
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 14" Thickness 3/4"
- (3) Perforated Screen.
Type Continuous slot, Diameter 14", Length 30'
- (4) Gravel Pack, Thickness 3", Length of gravel pack 40'

E. Dugout Information or Estimates

- (1) Surface dimensions N/A, Depth N/A

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 See attached sheet

Depth to top of water bearing material 50'

Depth to bottom of water bearing material 94'

Thickness of water bearing material 44'

Depth to water (ground surface to water level) 19'

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

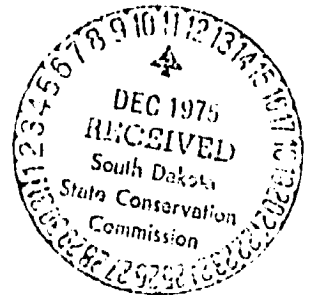
On same owner's property 100 rds. On property owned by others 250 rds.

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.

Emil J. E. E. E.
Signature of Applicant

December 8, 1975



Mr. Ervin Eckmann
Cavour, SD 57324

Dear Mr. Eckmann:

We have now received your WI-1 form concerning the application to irrigate in the southwest quarter of section 25, 111, 69.

On July 18 we mailed you the original copy of the report of analysis of the water quality. I am enclosing herewith a copy of extension circular 654 which gives information on management of irrigation water under saline conditions or difficult soil conditions and have a quality chart on the outside back cover. I have plotted the quality of this water for irrigation purposes by the approximate location of a red cross. You will see that it is high in salinity but low in sodium. This means that the water has a considerable load of salt and has an unfavorable potential for adding salts to the soil and thus impeding the growth of the crops. The sodium content, however, is relatively low so that the tendency for the water to cause soil dispersion and tillage difficulties would be quite minimal.

Under these conditions, and with the soils that you have, I recommend that you do not use this water on the soil units designated as 18 in the soil map of your quarter. These are the Tetonka-Hoven soils, with very poorly drained spots and quite a bit of salt in some of the sub-soils of the area. If water ponds in these areas, it will cause salt rise to the surface and put them out of production for long periods of time. There are also areas of small depressions in those soil areas labeled 102B and these areas will cause difficulty if you over-irrigate or apply water faster than the soil can take it. The reason for the difficulty will be the same thing, water will pond temporarily and give opportunity for salt rise from down below and also will cause the drowning of certain crops, corn and sorghum are both quite sensitive to periods of wetness and water standing, as you already are aware. Thus, this land is not suitable for a center pivot system under most conditions. It would be very difficult to operate it and to avoid extreme problems in the soil areas marked #18. It might work out for a tow line system, so that you could avoid the 2 areas labeled Tetonka-Hoven.

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

Sincerely yours,

L. O. Fine
L. O. Fine
Water Quality Lab
LOF:ckb

cc: State Conservation Commission, D. Fahl, Dick Fadgen So. 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: Mr Ervin Fekmann

ADDRESS: Cavender, S.D. 57324

COUNTY: Beadle

LEGAL DESCRIPTION

1. WELL LOCATION: N⁴ of SW⁴ Sec 25 - 111 - 60

2. AREA TO BE IRRIGATED: SW⁴ Sec 25 - 111 - 60

TYPE OF IRRIGATION

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

4. CROPS TO BE IRRIGATED: Corn & Alfalfa tow line

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: See attached sheets

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

Tetonka - Heavy textured; other fair

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 75-595

8. SALINITY: EC = 1750 μ mhos/cm (high)

9. SODIUM: SAR = 3.14 (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

Beadle County Soils Survey

and:

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

Em J. E. E.

Subscribed and sworn before me this

5 day of Dec 1975.

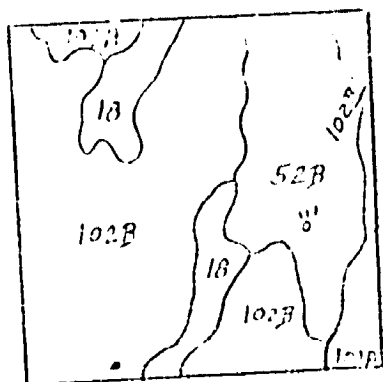
John L. Wieringa

P. E. H 1916

(Title)



SOILS MAP



SW 1/4 Sec. 25, T.111N., R.60W

SOILS LEGEND

- 18 Tetonka-Hoven silt loams
- 52B Carthage sandy loam, 3 to 6 percent slopes
- 101A Prosper-Houdek loams, 0 to 2 percent slopes
- 102B Houdek-Frosper loams, 2 to 6 percent slopes

○ small enclosed depressions

■ Farmstead

- 18 Tetonka-Hoven silt loams

This unit consists of poorly drained soils in enclosed depressions. Permeability is very slow and surface drainage is lacking. Dense compact subsoils and ponding generally limit these soils for irrigation. Drainage of these soils is desirable under irrigation.

- 52B Carthage sandy loam, 3 to 6 percent slopes

The Carthage are moderately well drained soils having sandy loam surface layers and subsoils which grade to clay loam or loamy materials at 20 to 40 inch depths. They have moderately rapid permeability in the sandy loam upper part and moderately slow permeability in the substrata. Also included in this mapping unit on the more convex positions are soils with thin sandy loam surface layers about 6 inc' as thick overlying clay loam and heavy loam glacial drift.

101A

Houdek-Prosper loam

This unit consists of deep well and moderately well drained loamy soils with calcareous substratums. The subsoils contain 30-35% clay. Depth to the calcareous clay loam substratum ranges from 18 to 30 inches. Permeability is moderately slow. Included within these areas are small enclosed depressions and small areas of soil with claypan subsoils which contain salts. Drainage or fill of these included areas may become desirable to prevent ponding and excessive wetness.

102B

Houdek-Prosper loams

The Houdek and Prosper soils are described in the 101A mapping unit above. This unit differs primarily in the degree of slope.

Ervin Eckman Unit

Soil Conservation Service
Beadle County

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

Submitted by: Ervin Eckmann
 Address: Cavour, SD 57324

Date Rec'd July 8, 1975
 Sample No. 75-595
 Identification Well-100'
SW 1/4, Sec. 25, T 111N, R 60W

WATER ANALYSIS

Calcium (Ca)	170	ppm*	8.50	me/l**
Magnesium (Mg)	53	ppm	4.35	me/l
Sodium (Na)	186	ppm	8.09	me/l
Potassium (K)	18	ppm	0.47	me/l
Sulfate (SO ₄)	670	ppm	13.94	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	18	ppm	0.51	me/l
Bicarbonate (HCO ₃)	332	ppm	5.44	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)	272	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1750	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	3.19			
Sodium	37.78	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.64			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 21.41 me/l
 Total anions 19.89 me/l

By: Shirley Mittan

Service Performed

Amount Due

Irrigation analysis

\$6.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-595

Amount Enclosed \$ 5

Signed _____

J. 2495-3

Publish first publication, on or before January 8, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 30, 1975

Notice is hereby given that Ervin Eckmann
whose post office address is Cavour, 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
Ervin Eckmann No. 2, the point of diversion of which is to be located in the

SW 1/4
of Section 25, Twp. 11N, Range 60W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW 1/4, Section 25, T11N, R60W

This application No. 2495-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 22nd day of January, 1976, 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: Ervin Eckmann

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

No. 2495-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Beadle) ss.

I, 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:

January 7, 1976

January 14, 1976

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

1-14-76

(Date Signed)

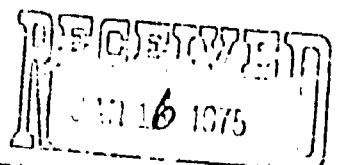
PUBLIC NOTICE

F.P. 17-76 L.P. 1-1476
NOTICE INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
December 30, 1975

Notice is hereby given that Ervin
Eckmann, whose post office address
is Cavour, South Dakota, has made
an application in accordance with
the provisions of the water laws of
South Dakota for a permit to ap-
propriate for beneficial use 2.2 cubic
feet of water per second of time from
the ground water through the Ervin
Eckmann No. 2, the point of
diversion of which is to be located in
the SW 1/4 of Section 25, Twp. 111N,
Range 60W. Said water to be used for
the purpose of providing irrigation
on portions of the following
described land: SW 1/4, Section 25,
T111N, R60W.

This application No. 2495-3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 22nd day of January, 1976,
at 2:30 P.M. All interested persons
may appear and be heard.

WATER RIGHTS COMMISSION
By: BURTON F. JONES
Water Rights Specialist
No. 1 (adv.)



STATE WATER RIGHTS COMMISSION
PIERRE, SOUTH DAKOTA

21175-3

1-11-79

Call Eckmann
for Jan 1980
to see what
he has come up
with

Ervin Eckmann & J. H. Menzies
I talked to him on the phone.
He is happy with pumps and
may try smaller pumps and
towers. If this is not
satisfactory will give up on irrigator
on that quarter.

He told him to wait and see
permit for the 1st well if he
will continue to use it for
irrigation.

I informed him to get
units Jan 22 1981 to get the
system in order and if the
two wells would be satisfactory
he would need a permit for the
2nd well.

24475-3

11-1-78

9000 and permit
old for 5000
two wells

Ervin Eckmann

Well Dept. To Him

Sump Capacity 11.0
Motor 41566 60 HP 1770 RPM

T 2 24475-3 41566 60 HP 1770 RPM

Sump Motor from Keller

No by depth 132
CP - Electroplo 50 ft. 1/2 inch
Motor 2-615-C 100 ft.
See # 41566 60 HP 1770 RPM
to 200 ft.

that is under 100 ft. from

Well # 2 41566 60 HP

Depth 81 to 100 30 ft

Sump 11.0 1770 RPM

100 ft. 200 ft. of 1 1/2"

100 ft. of 1 1/2" PVC pipe

1st Ervin Ekman.
599-2272 SW $\frac{1}{4}$ -25-111-60
1-11-79.

Well #1 Well by C.P. Pump 500 gpm for a single
well and 100 gpm for 200 gpm
Depth. 132 To water 30 ft - concrete
Pumping Capacity

Well #2 Well. N. of C.P. (160-225 gpm)
5 hp. submersible
Depth. 81 ft To water 70 ft
Pumping 160-225 Capacity

Sege of C.P.
Acres Covered 1192 ft $\times$ 1192 ft

Tow line 1192 ft long



Department of Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

June 16, 1982

Ervin Eckmann
Cavour.
South Dakota 57324

Dear Mr. Eckmann:

The inspection of your water use system and inspection of the extent of your application of water to beneficial use, as developed under your Water Right No. 2495-3 has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuing of the Water License. Upon receipt of the \$50.00 fee from you, your Water License will be sent to you.

You will also receive the Certificate of Construction as required by statute.

Sincerely,

KAREN SCHLAAK
Administrative Secretary

NOTE: On form of payment, please include the number of the water permit.
This insures proper handling of the fee.

WNR-814-7/79
Notification of Water License Ready for Issuing (\$50.00)

Permit No. 2495-3Water Division 3 JAMES RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by ERVIN
ECKMANN of CAVOUR holder
of Permit No. 2495-3, bearing date of priority of DECEMBER 15, 1975
authorizing the diversion of 2.2 cu. ft. per second of the waters of GROUNDWATER
for IRRIGATION purposes, in BEADLE 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:

133' DEEP WELL WITH 16" FIBREGLAS CASING - 40' FIBREGLAS SCREEN
WESTERN LAND ROVER 6" PUMP 3-12KM, POWERED
BY GE 30 HP ELECTRIC MOTOR

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

1530' OF 6" MAINLINE
520' OF 4" MAINLINE

C. Works used to apply water to beneficial use.

2 - 1/4 MILE TOWLINES WITH RAINBIRD #14600
SPRINKLER HEADS WITH 3/16 NOZZLES @ 40' SPACINGS

The system is in the following condition: GOOD

The point of diversion is located 1450' N & 1400' E OF THE SW CORNER,
SECTION 25, T11N, R60W

The works are capable of diverting and conveying to the place of use 1.11 (500 GPM)
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 25, T11N, R60W

NW ¹ SW ⁴	39	ACRES
NE ⁴ SW ⁴	40	"
SW ⁴ SW ⁴	33	"
SE ⁴ SW ⁴	39	"

comprising a total of 151 acres of land.

Date

MAY 6, 1982

(Signature)

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2495-3

(1) WHEREAS, On the 15th day of Decembar A. D. 19 75
Ervin Eckmann

made Water Right Application No. 2595-3 for a permit to use 2.2 cubic feet per second of the water of groundwater (one well)

County of Bendle, State of South Dakota, for irrigation

purposes; and

(2) WHEREAS, On the 23rd day of January A. D. 19 76
Permit No. 2495-3, with a date of priority of December 15, 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 23rd day of January A. D. 19 81 and for the application to beneficial use of said water on or before the 23rd day of January A. D. 19 84

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 1.11 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 irrigation the following land in Section 25, T111N, R60W

NW 1/4 SW 1/4	39 acres (CB)
NE 1/4 SW 1/4	40 " (CA)
SW 1/4 SW 1/4	33 " (CC)
SE 1/4 SW 1/4	39 " (CD)

TOTAL 151 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 Ervin Eckmann

of Cavour, South Dakota
the holder _____ and owner: _____ of said permit No. 2495-3 a water right, dating from December 15, 1975
to use of 1.11 cubic feet per second of the waters
of groundwater (one well)

in the County of Beadle and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point 1450' N and 1400' E of the SW corner,
Section 25, T111N, R60W (CA)

and conducted to and upon portions of Section 25, T111N, R60W
more fully described on the face of this License

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 2495-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 13th day of July A. D.
Nineteen Hundred and Eighty-two

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

2495-3
Permit No. _____

Water Diversion No. 3 James River Water District
10160006

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Ervin Eckmann

_____ the holder _____ of
Permit No. 2495-3, issued upon Application No. 2495-3, bearing date of priority of December 15,
1975 authorizing the diversion of 2.2 cu. ft. per second of the waters of _____
groundwater (one well) County of Bendle, State of South Dakota at _____
a point 1450'N and 1400'E of the SW corner, Section 25, T111N. R60W

_____, 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 1.11 cu. ft. per second of water.

Date July 13, 1982

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Division

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 8892

PIERRE, July 12, 1922

RECEIVED OF Ervin J. Eckmann, PR#1, Cavour, SD 57524

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. <u>2405-3</u>	50	00
Fee for inspecting Beneficial Use, and Issuing Water License No. <u>2405-3</u>		
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/MS

NOT TO SCALE

112.5

Otto Arbetter

135.6

83.5

Otto Arbetter

38.1 L. J. Lindquist

THIS AERIAL PHOTO SHOWS A PILOT
ON THIS LAND. HE HAS SINCE TAKEN
THE PILOT OFF & IRRIGATES THE LAND
WITH TOW LINES.

278-48L

25

14.8

112.2

4.5

1400'

O WELL

1450'

6.6

11.3

Ervin Eckmann

111-60

36.5

23.4

Ervin

Eckmann

72.1

12.5

56.4

Cross Hatch Indicates Irrigated Area

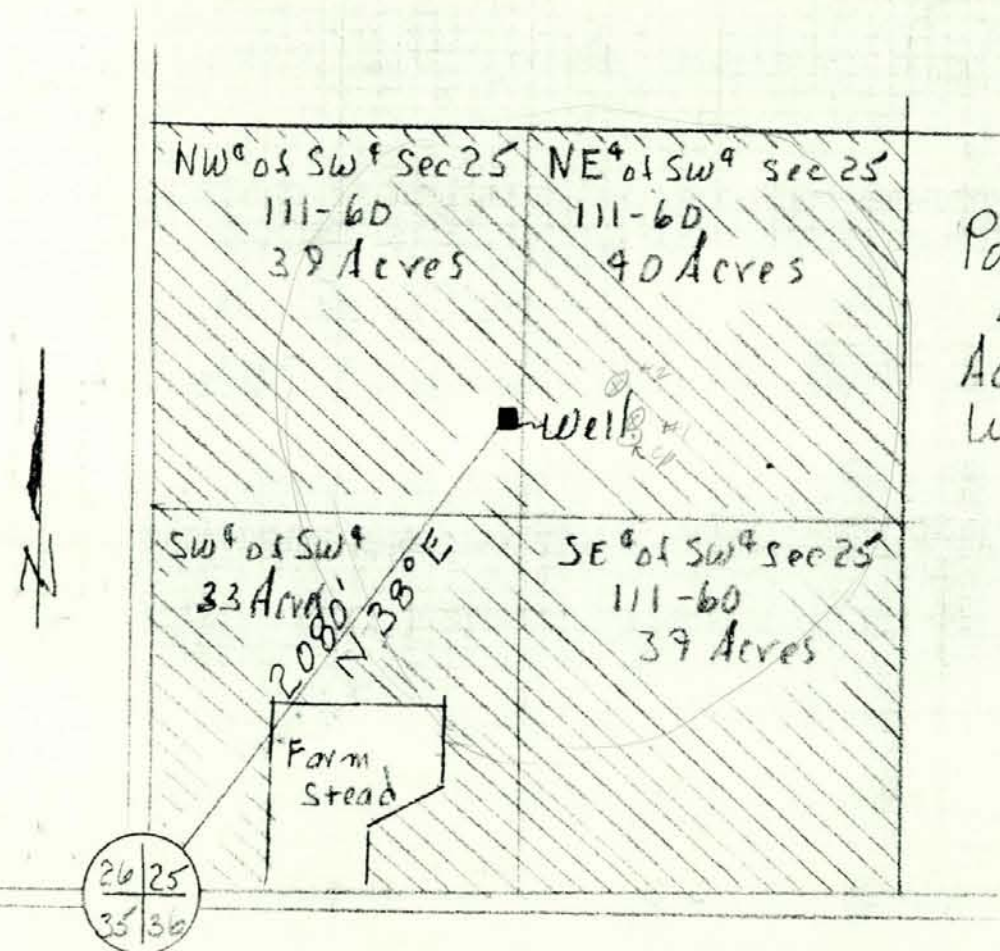
ERVIN ECKMANN

IRRIGATION PROJECT # 2

Cavour 57324 S. Dak.

Beadle County

Point of Diversion:
208' N 38° E of SW corner Sec 25-111-60
Acres Irrigated - 151 Acres
Water claimed - 2.2 cfs.



Scale 8" = 1 Mile

Surveyor's Certificate

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

Ervin Eckmann

Cavour 57324

South Dakota

Drawn by J.L.W.

Dec 5, 1975

John L. Wiersma

P.E. #1916

Beading S. Dak.

MAP # 18073 51006 APPL NO 2495-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

October 23, 2013

1462-3
2495-3

Ervin J Eckmann
2079 Meadowlark Ln
Huron SD 57350 6805

Dear Mr. Eckmann:

Enclosed is a "Notice" dated October 18, 2013 concerning the 2013 irrigation questionnaires.

The notice was originally mailed to 20907 410th Ave, Cavour SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

October 21, 2025

1462-3

2495-3

Ervin Eckmann
1714 Ohio Ave NW, Apt 118
Huron SD 57350

Dear Mr. Eckmann:

Enclosed is a "Notice" dated October 8, 2025, concerning the 2025 Irrigation Questionnaire.

The notice was originally mailed to you at 2079 Meadowlark Ln, Huron SD 57350. The post office notified our office that your address has changed, and your records have been updated accordingly.

This is a time sensitive matter. Please complete and return the enclosed questionnaire or submit your report online at <https://danr.sd.gov/iq/> using this password **QPPOKJ**.

If this change of address is in-correct, please contact our office immediately to update your contact information.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

581 MFB 114142510010/14/25
RETURN TO SENDER
ECKMANN
1714 OHIO AVE NW APT 118
HURON SD 57350-2056
RETURN TO SENDER