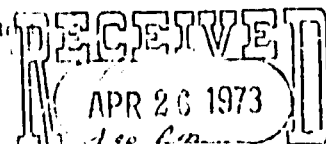


Water Right Number 1987-3

1. Considered May 23, 19 73
2. Name of Applicant William Schumacher
3. Post Office Address Part A., Pierre, S.D.
4. Amount of Water claimed 3.42
5. Source of Water supply ground water
6. Water to be used for irrigation
Acres to be irrigated 240
7. Water to be diverted and used in Hughes County
about 11N 3W miles of PIERRE
8. Proof of Publication
Received 1ST
Not Received
Approved
Subject to
Not Approved
Action Deferred
10. Remarks:

No. 1987-3Map No. 1168-3 Water Division No. 3 MISSOURI RIVER
(Plans to be Filed by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

STATE WATER RESOURCES CO.
PIERRE, SOUTH DAKOTA

To Appropriately Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Schumacher; William (William Schumacher)
Postoffice address Part A., Pierre, S.D. 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) _____
3. Name of diversion work Schumacher #2
4. Amount of water claimed (cubic feet per second) 3.42
5. Source of water supply Missouri River
6. Location of point of diversion 1320' West of the W $\frac{1}{2}$ Corner, Section 2, T112N, R80W
County Hughes
7. Annual period or periods during which water is to be used April thru 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 240

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>S$\frac{1}{2}$ NE$\frac{1}{4}$, Sec. 2</u>	<u>80</u>		
<u>S$\frac{1}{2}$ NE$\frac{1}{4}$, Sec. 3</u>	<u>80</u>		
<u>N$\frac{1}{2}$ SE$\frac{1}{4}$, Sec. 3</u>	<u>80</u>		
<u>All in T112N, R80W</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 four years.
11. Choice of newspaper for Notice of Intent to Appropriately Water publication Capitol Journal, Pierre, S.D.
12. Principal Features of the Proposed Water Supply System

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

Well, pump and motor

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

mainline

C. Works proposed to apply water to beneficial use.

Circular sprinkler system

Estimated Total Cost \$ _____

Attachment: 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 HUGHESI, William Schumacher 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 William SchumacherSubscribed and sworn to before me this 26th day of April 19 73Betty Westlund
Notary Public (or other qualified officer)

BETTY WESTLUND, Technical Assistant, WRC

AREAS BY LEGAL SUBDIVISION

AREAS BY LEGAL SUBDIVISION	AREA
NW ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	40 AC
NE ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	40
NW ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	40
NE ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	40
SW ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	16
SE ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	23
SW ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	25
SE ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	25
TOTAL	249 AC

SURVEYORS CERTIFICATE

STATE OF SOUTH DAKOTA SS
COUNTY OF HUGHES

I MAYNARD C. SOMMER, REGISTERED LAND SURVEYOR, IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY CERTIFY THAT AT THE REQUEST OF WILLIAM SCHUMACHER, SOLE OWNER, I HAVE SHOWN THE LANDS PROPOSED TO BE IRRIGATED WITHIN HIS OWNERSHIP BOUNDRIES ON SEPTEMBER 1968 FOR WHICH APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE AND THAT THIS MAP IS A TRUE REPRESENTATION THEREOF.
WITNESS MY HAND AND SEAL THIS 20th DAY OF SEPTEMBER 1968.

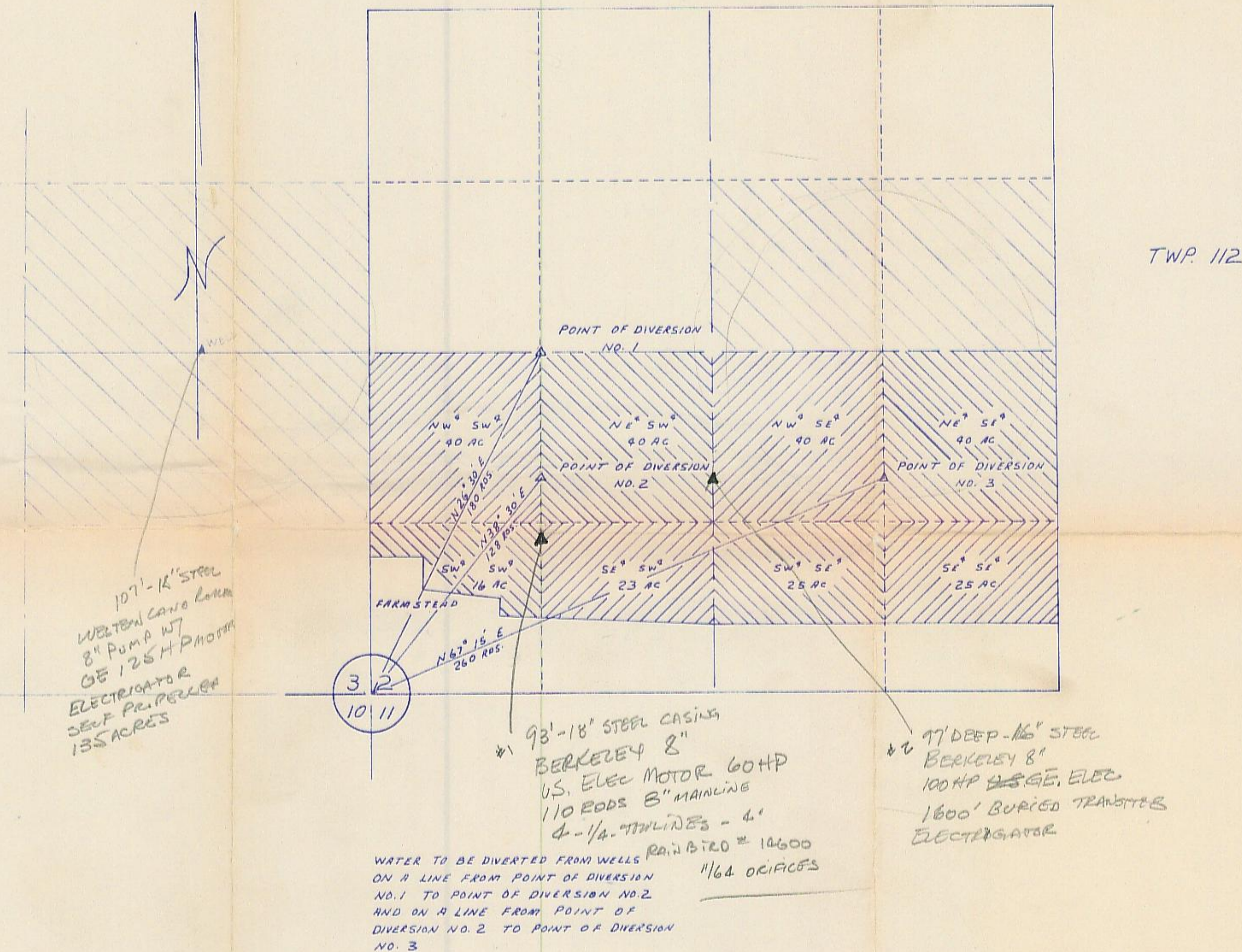
Maynard C. Sommer
REG. LAND SURVEYOR

STATE OF SOUTH DAKOTA SS
COUNTY OF HUGHES

ON THIS DAY, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, PERSONALLY APPEARED MAYNARD C. SOMMER, KNOWN TO ME TO BE THE PERSON WHO EXECUTED THE FOREGOING SURVEYORS CERTIFICATE AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME.
WITNESS MY HAND AND SEAL THIS DAY OF SEPTEMBER 1968.

MY COMMISSION EXPIRES: January 19, 1975

W. B. Schell
NOTARY PUBLIC



WATER TO BE DIVERTED FROM WELLS
ON A LINE FROM POINT OF DIVERSION
NO. 1 TO POINT OF DIVERSION NO. 2
AND ON A LINE FROM POINT OF
DIVERSION NO. 2 TO POINT OF DIVERSION
NO. 3

SCALE: 8 inches = 1 mile

SHOWING AREA & DIVERSION POINTS WHERE WATERS
WILL BE DIVERTED FOR PERMIT TO APPROPRIATE WATER

WILLIAM SCHUMACHER OWNER
MAYNARD C. SOMMER SURVEYOR

AREAS BY LEGAL SUBDIVISION

AREAS BY LEGAL SUBDIVISION	AREA
NW ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	40 AC
NE ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	40
NW ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	40
NE ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	40
SW ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	16
SE ¹ SW ⁹ SEC. 2 TWP. 112 R. 80	23
SW ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	25
SE ¹ SE ⁹ SEC. 2 TWP. 112 R. 80	25
TOTAL	249 AC

SURVEYORS CERTIFICATE

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COUNTY OF HUGHES

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WITNESS MY HAND AND SEAL THIS 26th DAY OF SEPTEMBER 1968.

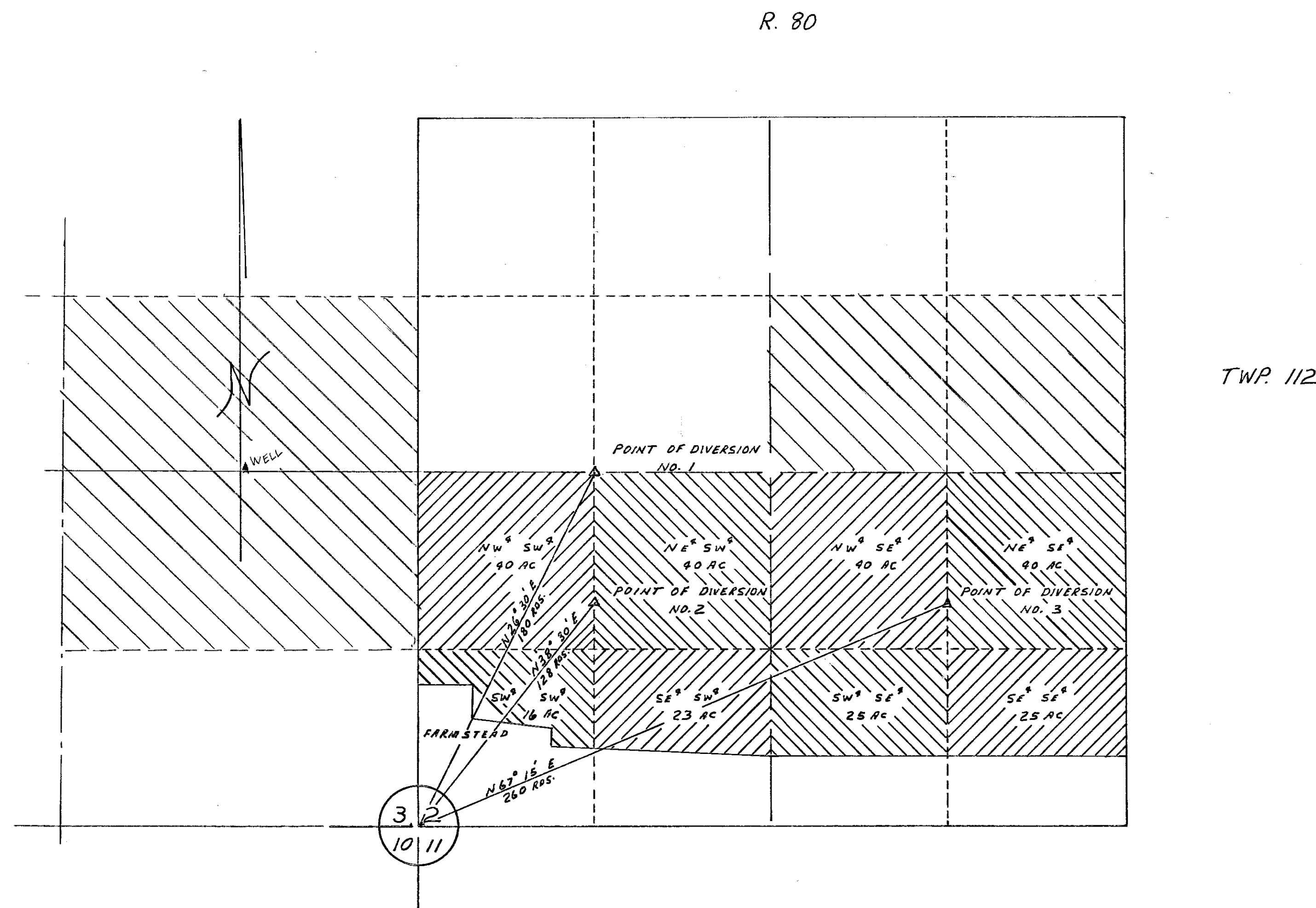
Maynard C. Sommer
REG. LAND SURVEYOR

STATE OF SOUTH DAKOTA SS
COUNTY OF HUGHES

ON THIS DAY, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, PERSONALLY APPEARED MAYNARD C. SOMMER, KNOWN TO ME TO BE THE PERSON WHO EXECUTED THE FOREGOING SURVEYORS CERTIFICATE AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME.
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MY COMMISSION EXPIRES: January 19, 1975

R. B. Schull
NOTARY PUBLIC



WATER TO BE DIVERTED FROM WELLS
ON A LINE FROM POINT OF DIVERSION
NO. 1 TO POINT OF DIVERSION NO. 2
AND ON A LINE FROM POINT OF
DIVERSION NO. 2 TO POINT OF DIVERSION
NO. 3

SCALE: 8 inches = 1 mile

SHOWING AREA & DIVERSION POINTS WHERE WATERS
WILL BE DIVERTED FOR PERMIT TO APPROPRIATE WATER

WILLIAM SCHUMACHER OWNER
MAYNARD C. SOMMER SURVEYOR

MAP NO 1168-3 (APPL NO 1621-3)
APPL NO 1987-3

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1987-3
WILLIAM SCHUMACHER PART A, PIERRE
(Applicant) (Post Office Address)
SOUTH DAKOTA 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 APRIL 26 19 73
Date of return to applicant for correction, amendments or changes required -- 19 --
Date of receipt of corrected application -- 19 --
Approved MAY 23 19 73 Recorded in Book 12 Page 220

WATER RIGHT PERMIT NO. 1987-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1987-3 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 APRIL 26 19 73
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 23 19 75
3. The whole of said work is to be completed on or before MAY 23 19 78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 23 19 82
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 3.42 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 MAY 23 19 82; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 7TH day of JUNE 19 73

WATER RESOURCES COMMISSION

By:

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 6 19 74
Water License Issued SEPTEMBER 6 19 74

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 30", Depth 100'

(2) Casing, Type steel Diameter 16" Thickness standard
(wood, concrete, steel, etc)

(3) Perforated Screen.

Type slotted , Diameter 16" , Length

(4) Gravel pack. Thickness 7", Length of gravel pack 100'

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 sands and gravel

Depth to top of water bearing material 75'

Depth to bottom of water bearing material 100'

Thickness of water bearing material 25'

Depth to water (ground surface to water level) 70'

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

On same owner's property 80 rds. On property owned by others 100 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 of Applicant

Permit No. 1987-3Water Diversion No. 3 MISSOURI RIVER Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That William Schumacher

_____ the holder _____ of
Permit No. 1987-3, issued upon Application No. 1987-3, bearing date of priority of April 26,
1973 authorizing the diversion of 3.42 cu. ft. per second of the waters of _____
ground water County of Hughes, State of South Dakota at _____
points in the center of the E $\frac{1}{2}$ Section 3 and a point 2640 feet East
and 1650 feet North of the SW Corner, Section 2, all in T112N, R80W
_____, for irrigation

_____ purposes, has 8 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 4.00 cu. ft. per second of water.

Date September 6, 1974By: WATER RIGHTS COMMISSIONDONALD DRISCOLL, Chief Engineer

WATER LICENSE NO. ... 1987-3

(1) WHEREAS, On the 26th day of April A. D. 19 73
William Schumacher

made Water Right Application No. 1987-3 for a permit to use 3.42 cubic feet per second of the waters of ground water
County of Hughen State of South Dakota, for irrigation purposes; and

(2) WHEREAS, On the 7th day of June A. D. 19 73
Permit No. 1987-3 with a date of priority of April 26, 1973
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 May A. D. 19 78 and for the application to beneficial use of said water on or before the 23rd day of May A. D. 19 82

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 3.08 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 the following land in T112N, R20W	
Section 2, SW¼ NW¼	34 acres
SE¼ NW¼	34 acres
Section 3, SW¼ NE¼	34 acres
SE¼ NE¼	34 acres
NW¼ SE¼	40 acres
NL¼ SE¼	40 acres
Total	
216 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 William Schumacher

_____ of Pierre, S.D.

the holder _____ and owner _____ of said permit No. 1987-3 a water right, dating from April 26, 1973

_____ to use of 3.08 cubic feet per second of the waters of ground water

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

purposes hereinbelow mentioned, to be diverted at points in the center of the E $\frac{1}{2}$, Section 3 and a

point 2640 feet East and 1650 feet North of the SW Corner, Section 2,

all in T112N, R80W

and conduct to and upon portions of Sections 2 and 3, T112N, R30W, more fully described on
the face of this license.

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 1987-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 6th day of September A. D.
Nineteen Hundred and Seventy-four

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer DONALD DRISCOLL

Conservation
Commission
Form WI #1

FOR COMMISSION USE ONLY

Irrigation System: OK

Water Quality: OK

Soils Capability: Good

Approved: 5/3/73

Disapproved: 3/8/73

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)

RECEIVED
MAY 3 - 1973

STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

NAME: William Schumacher

ADDRESS: Part A Pierre, S. Dak.

COUNTY: Hughes

LEGAL DESCRIPTION

1. WELL LOCATION:

well #1 SW4; SW4; SE4 Sec 2 112-80
well #2 NE4 NW4 SE4 Sec 3 112-80

2. AREA TO BE IRRIGATED:

240A

TYPE OF IRRIGATION

3. GRAVITY

SPRINKLER (Indicate Type): Center Pivot

4. CROPS TO BE IRRIGATED:

Corn & Alfalfa rotated with
Timothy Grass

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE:

Primarily 2%

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION:

Soil Type Highwater

Ecklin Silt loam

2c2 capability - 7 Agar Silt loam

These soils are deep, well drained, nearly level to gently sloping, silty

soils on uplands.

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.:

67-681

8. SALINITY:

acceptable

9. SODIUM:

acceptable

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

William Schumacher

Subscribed and sworn before me this

2nd day of May 1973

Henry P. Oelmer

Notary Public

(Title)

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

Wm. Schumacher
Part A
Pierre, So. Dak. 57501

Date Rec'd Dec. 18, 1967
Sample No. 67-681
Identification well 120 ft.
SE 1/4, Sec. 1, T112N, R80E

WATER ANALYSIS					
Calcium	(Ca)	181	ppm*	9.04	meq/l**
Magnesium	(Mg)	7	ppm	0.55	meq/l
Sodium	(Na)	69	ppm	2.98	meq/l
Potassium	(K)	10	ppm	0.26	meq/l
Sulfate	(SO ₄)	68	ppm	1.41	meq/l
Nitrate	(N)		ppm		meq/l
Chloride	(Cl)	151	ppm	4.23	meq/l
Iron	(Fe)		ppm		meq/l
Fluoride	(F)		ppm		meq/l
Hardness (EDTA as CaCO ₃)		580	ppm	33.5	g.p.g.***
Alkalinity (MO)		380	ppm (as CaCO ₃)		
	(P)	0	ppm (as CaCO ₃)		
Electrical Conductivity		1315	micromhos per cm ² at 25°C.		
Sodium Adsorption Ratio		1.35			
Sodium		23.2	% of cations		
Residual sodium carbonate		0.0	meq/l		
pH		6.94			
Others: Total Cations		12.83	meq/l		
Total Anions		13.24	meq/l		

*ppm=parts per million

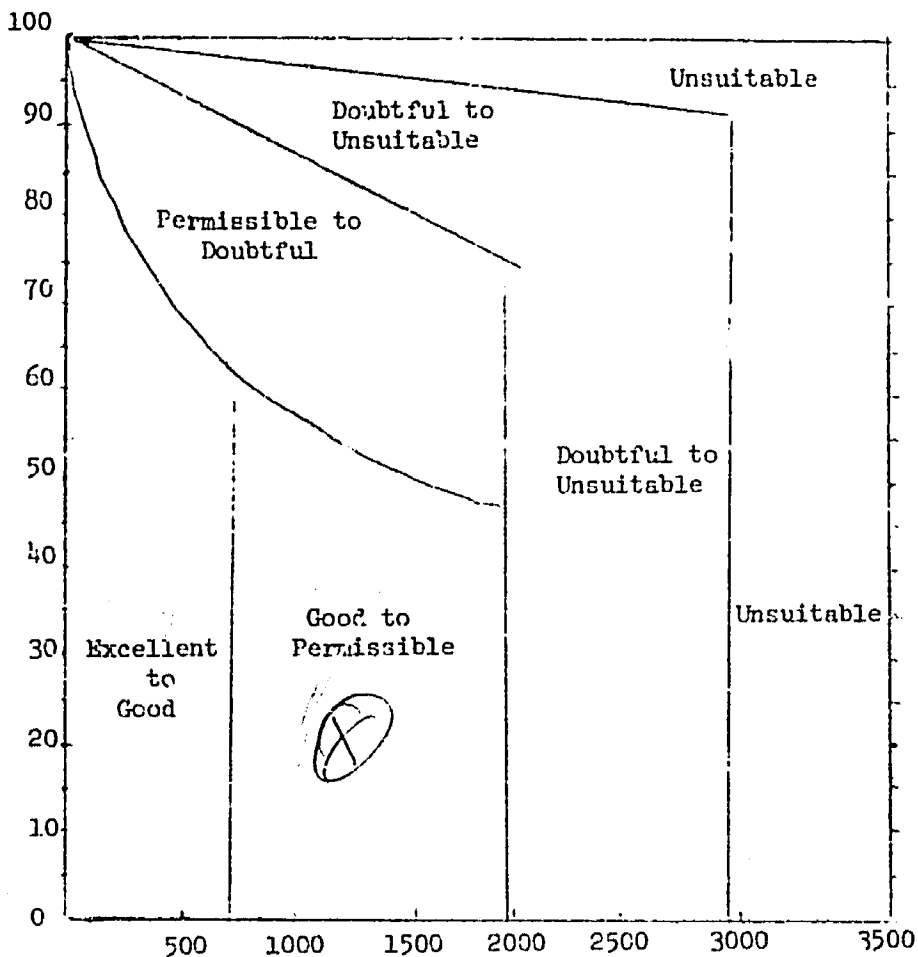
***g.p.g. =grains per gallon

**meq/l=milli-equivalents per liter

COMMENTS:

See attached sheet.

By: John Hadden



Total Concentration as Electrical Conductivity $FX \times 10^6$

Conductivity 1315 % Sodium 23

If you have further questions your county extension agent can help you.

Name Wm. Schumacher Address Part A.
Pierre, S.D.
57501

IRRIGATION WATER CLASSIFICATION

The waters are classified in 5 classes in order to forecast the effects upon plant growth and soil conditions.

Excellent to Good This water can safely be used for all crops under common South Dakota soil conditions. In the extreme ranges of high sodium percentage there is some danger of developing an alkali soil problem on medium and heavy textured soils.

Good to Permissible Waters in this class can be used for all soils, with the exception of impermeable clay soil or those possessing impaired drainage.

Permissible to Doubtful These waters should not be used on soils possessing poor drainage characteristics. They are capable of developing both saline and alkali soil conditions, particularly at the high ranges of total salt concentration and sodium percentages. The periodic application of irrigation water in quantities sufficient to flush the soil to remove accumulations of salts is essential when using water of this quality.

Doubtful to Unsuitable This water is regarded as being harmful to crops, excepting those having medium to high salt tolerance. At the low ranges of sodium percentage the development of a saline soil condition may be expected, particularly if the total salt concentration is high. At higher ranges of sodium percentage the development of an alkali soil condition may be expected. However, on light, well-drained soils the copious use of such waters is permissible.

Unsuitable This water is unsuitable for crops under most soil and climatic conditions.

Residual Sodium Bicarbonate

Irrigation waters containing excessive quantities of sodium salts may cause "Black Alkali" conditions to develop in soils. It is also possible for black alkali to develop when soils are irrigated with waters containing more bicarbonate ions than calcium and magnesium ions. As the soil solution is concentrated by surface evaporation and plant transpiration, the calcium and magnesium is deposited in the soil as carbonates. The remaining bicarbonate and carbonate in the soil solution combines with sodium to form residual sodium carbonate (residual Na_2CO_3). The resultant soil solution, composed predominantly of sodium salts, reacts with the clay fraction and causes the soil to swell, and to become jelly-like and impervious when wet. On drying, large cracks and hard clods form, making it difficult to work into a seed bed.

If the residual sodium carbonate is between 0 and 1.25 me/l, the water is probably safe. If the value is between 1.25 and 2.50 me/l, the water is marginal but good management and proper use of soil amendments may make it possible to use the water successfully. If the residual sodium carbonate is greater than 2.50 me/l, the water is probably not suitable for irrigation.

REMEMBER: When judging the quality of an irrigation water, it is assumed that---

1. The soil will take water readily.
2. The soil will drain well.
3. Sufficient irrigation water will be applied to prevent salt accumulation in the root zone.
4. Crops of proper salt tolerance will be planted.

165

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

<u>Wm Schuracher</u>	Date Rec'd <u>Dec. 18, 1967</u>
<u>Part A</u>	Sample No. <u>67-623</u>
<u>Pierre, So. Dak. 57501</u>	Identification <u>well 90 ft.</u>
	<u>SW 1/4, Sec. 1, T112N, R50E</u>

WATER ANALYSIS					
Calcium	(Ca)	134	ppm*	6.72	meq/l**
Magnesium	(Mg)	35	ppm	2.84	meq/l
Sodium	(Na)	104	ppm	4.52	meq/l
Potassium	(K)	10	ppm	0.26	meq/l
Sulfate	(SO ₄)	148	ppm	3.08	meq/l
Nitrate	(N)		ppm		meq/l
Chloride	(Cl)	14	ppm	0.41	meq/l
Iron	(Fe)		ppm		meq/l
Fluoride	(F)		ppm		meq/l
Hardness (EDTA as CaCO ₃)		480	ppm	27.8	g.p.g.***
Alkalinity (MO)		462	ppm {as CaCO ₃ }		
(P)		0	ppm {as CaCO ₃ }		
Electrical Conductivity		1215	micromhos per cm ² at 25°C.		
Sodium Adsorption Ratio		2.06			
Sodium		31.5	% of cations		
Residual sodium carbonate		0.0	meq/l		
pH		7.10			
Others: Total Cations		14.34	meq/l		
Total Anions		12.73	meq/l		

*ppm=parts per million

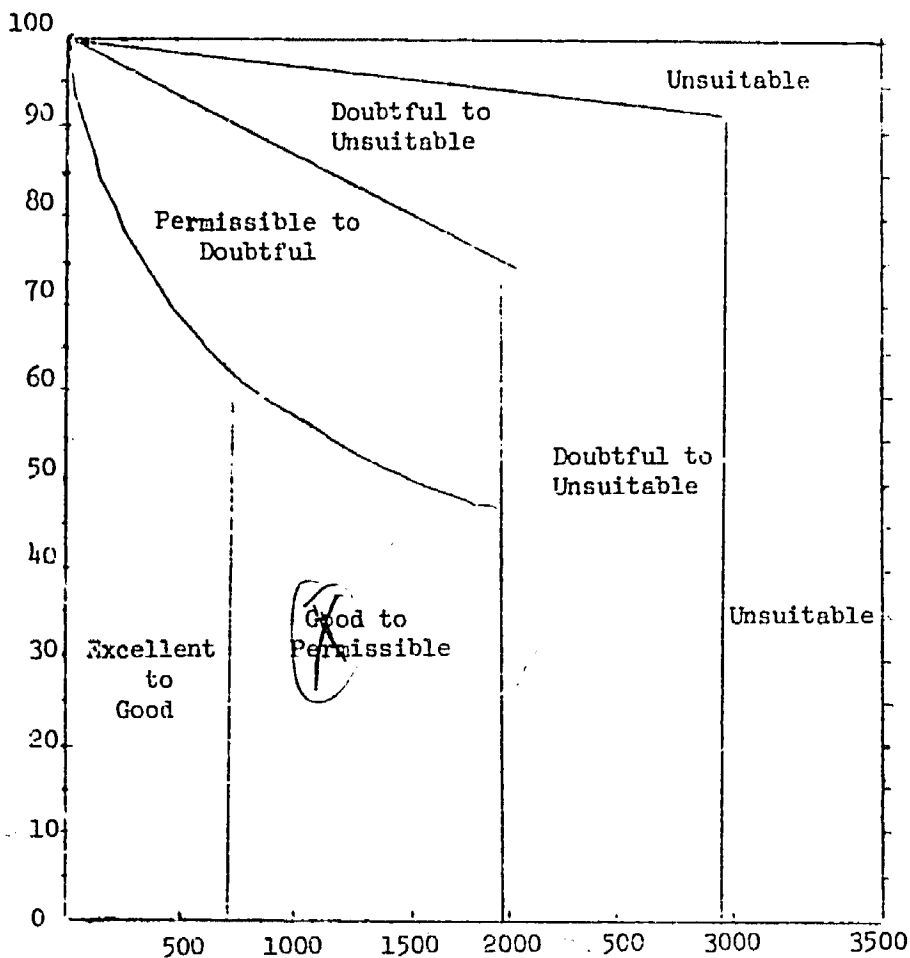
***g.p.g. =grains per gallon

**meq/l=milli-equivalents per liter

COMMENTS:

See attached sheet.

By: John Madden



Total Concentration as Electrical Conductivity $EC \times 10^6$
 Conductivity 1215 % Sodium 31.5

If you have further questions your county extension agent can help you.

Name Wm. Schunacker Address Part A.
Prine, S. D.
57501

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REMEMBER: When judging the quality of an irrigation water, it is assumed that---

1. The soil will take water readily.
2. The soil will drain well.
3. Sufficient irrigation water will be applied to prevent salt accumulation in the root zone.
4. Crops of proper salt tolerance will be planted.

1987-3Publish first publication, on or before May 10, 1973NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

May 3, 1973, 1973Notice is hereby given that William Schumacherwhose post office address is Pierre, 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 use3.42 cubic feet of water per second of time from the ground water through theSchumacher #2, the point of diversion of which is to be located in the _____Center of the E $\frac{1}{2}$ of Section 3, Twp. 112N, Range 80W. Said water to be used for the purpose of providing irrigation on the following described land:S $\frac{1}{2}$ NE $\frac{1}{4}$, Section 2, S $\frac{1}{2}$ NE $\frac{1}{4}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$, Section 3, T112N, R80WThis application No. 1987-3 will be considered by the Water Resources Commission at their office at Pierre upon the 23rd day of May, 1973, at 2:00 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES, Water Rights Specialistcc: William Schumacher, Part A., Pierre, S.D. 57501

No. 1987-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hughes) ss.

I, John H. Hinkle hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Daily Capital Journal

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 Pierre

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

May 8, 1973:

May 15, 1973.

John H. Hinkle
(Signature)

Business Manager
(Title)

May 15, 1973
(Date Signed)

No. 989 - 21/dly - May 8-15

NOTICE INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501

May 3, 1973

Notice is hereby given that
William Schumacher, whose post
office address is Pierre, 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 3.42 cubic feet of
water per second of time from
ground water through the Schu-
macher No. 2, the point of
diversion of which is to be lo-
cated in the Center of the E 1/2 of
Section 3, Twp. 112N, Range 8, W.
Said water to be used for the
purpose of providing irrigation
on the following described land:
S 1/2 NE 1/4, Section 2, S 1/2 NE 1/4
and N 1/2 SE 1/4, Section 3,
T112N, R80W.

This application No. 1987-3 will
be considered by the Water Re-
sources Commission at their of-
fice at Pierre upon the 23rd day
of May, 1973, at 2:00 P.M. All
interested persons may appear
and be heard.

WATER RESOURCES
COMMISSION

By: BURTON F. JONES,
Water Rights Specialist

RECEIVED
MAY - 4 1973

WATER RESOURCES COM.
PIERRE, SOUTH DAKOTA

Permit No. 1987-3Water Division 3 MISSOURI 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 WILLIAM SCHUMACHER of PIERRE holder of Permit No. 1987-3 bearing date of priority of APRIL 26, 1973 authorizing the diversion of 3.42 cu. ft. per second of the waters of GROUND WATER for IRRIGATION purposes, in HUGHES 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:

Well #3 107' DEEP WELL WITH 18" STEEL CASING
WESTERN LAND ROLLER 8" PUMP, POWERED BY
125 H.P. G.E. ELECTRIC MOTOR
Well #2 - 97' DEEP WELL WITH 16" STEEL CASING, BERKELEY 8" PUMP
WITH 100 H.P. G.E. ELECTRIC MOTOR

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

Well #3 30' 10" PIPE TO PIVOT
Well #2 1600' OF 8" BURIED TRANSITE PIPE TO PIVOT

C. Works used to apply water to beneficial use.

2- ELECTRIGATOR SELF PROPELLED 13 TOWER
SPRINKLER SYSTEMS

The system is in the following condition: VERY GOOD

The point of diversion is located #3 1320' W OF THE N¹/₄ CORNER,
SECTION 2, T112N, R80W #2 2640' E & 1650' N OF
THE SW CORNER, SEC 2, T712N, R80W

The works are capable of diverting and conveying to the place of use * 2.00cu. 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 T112N, R80W

SECTION 2		SECTION 3	
SW ¹ / ₄ NE ¹ / ₄	34 AC	SW ¹ / ₄ NE ¹ / ₄	34 AC.
SE ¹ / ₄ NE ¹ / ₄	34 AC	SE ¹ / ₄ NE ¹ / ₄	34 AC.
		NW ¹ / ₄ SE ¹ / ₄	40 AC.

comprising a total of 216 acres of land.

* WELL #2 IS USED FOR LANDS UNDER THIS PERMIT AND
WATER RIGHT N^o 1621-3

Date SEPTEMBER 5, 1974

Aurton J. Tru
(Signature)
WATER RIGHT SPECIALIST
WATER RIGHTS COMMISSION

Appl. # 1987-3

-see also Appl. # 1621-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 12, 2008

No. 1987-3
2488-3A
4573-3

Jim Schumacher
19734 285th Ave
Pierre SD 57501

Dear Mr. Schumacher:

The return of the 2008 Irrigation Questionnaires indicated an ownership change has taken place on Water Right Nos. 19987-3, 2488-3A and 4573-3. Enclosed are partially completed "Notice of Transfer" forms for use in filing an ownership change on these water rights. The water rights are currently listed in the name of William S Schumacher. I have also enclosed copies of the water rights for your files.

The transfer forms should be checked over for accuracy and **signed by the new owner.** Upon completion, return the form to our office with a required filing fee of \$2.50 each (total \$7.50).

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a water permit or water right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
email: karen.schlaak@state.sd.us

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

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

RECEIVED
NOV 25 2008
WATER RIGHTS
PROGRAM

No. 1987-3

Date: Nov 12 2008

I/We request that Water Right/Permit No. 1987-3

formerly owned by: William S Schumacher

be transferred to: (name & address) Jim Schumacher

19734 285th Ave

Pierre SD 57501

Telephone No. 605 224 1420

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

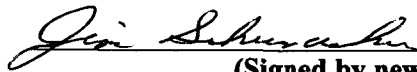
216 acres located in the S 1/2 NE 1/4 Section 2, S 1/2 NE 1/4, N 1/2 SE 1/4 Section 3-T112N-R80W

I/We understand that the validity of Water Right/Permit No. 1987-3 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 with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Jim Schumacher, the new owner, certify that the above information is true and correct.


(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. 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

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/25, 20 08

RECEIVED OF James Schumacher 19734 285th Ave Pierre SD 57501

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	2	50
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 _____ 1987-3		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____	2	50
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	
	2	50

No.

03804

By

Donald Erbe
Chief Engineer

1987-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 26, 2008

1987-3
2488-3A
4573-3

Jim Schumacher
19734 285th Ave
Pierre SD 57501

Dear Mr. Schumacher:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" forms and filing fees you submitted for transferring Water Right Nos. 1987-3, 2488-3A and 4573-3.

The ownership changes have been completed. The water rights formerly held by William S Schumacher are now listed in your name.

Enclosed are Receipt Nos. 03803, 03804 and 03805 in the amounts of \$2.50 each which you paid to cover the cost of the filing fees. You may keep these for your records.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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

enclosures

Attachment to Water Right No. 1987-3

Water Right No. 1987-3 authorizes diversion of 3.08 cfs from two wells to irrigate 216 acres located in Sections 2 and 3, T112N, R80W.

On June 17, 2011, an ownership change was filed for portions of land described in Water Right No. 1987-3. Based on this change, the water right is being divided and reissued to reflect separate ownership as follows:

- **No. 1987A-3: Marvin Schumacher, 19683 Hwy 1804, Pierre SD 57501** – authorizing diversion of 0.97 cfs from one well located in the S $\frac{1}{2}$ Section 2, T112N, R80W to irrigate 68 acres in the S $\frac{1}{2}$ NE $\frac{1}{4}$ Section 2, T112N, R80W;
- **No. 1987B-3: Jim Schumacher, 19734 285th Ave, Pierre SD 57501** – authorizing diversion of 2.11 cfs from one well located in the E $\frac{1}{2}$ Section 3, T112N, R80W to irrigate 148 acres in the S $\frac{1}{2}$ NE $\frac{1}{4}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 3, T112N, R80W.