

Water Right Number 3400-3

1. Considered 5-25, 1977
2. Name of Applicant ROGER R. INNEN
3. Post Office Address HURLEY
4. Amount of water claimed 2.28
5. Source of water supply 198' WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in TURNER County
about 5N, 1E Miles 1 of HURLEY
8. Proof of Publication Received ~~151~~ 11-29-77
Not received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____
- REPLACEMENT**

10. Remarks:

No. 3900-3Map No. 3/5B-3 Water Division No. 3 VERMILLION RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

Replacement
deeper well.

To Appropriate Water within the State of South Dakota

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

1. Name of Applicant Roger R. Thron
 Postoffice address Harlay State S. Dak. 57036
 If a corporation show date and place of incorporation n/a
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
3. Name of diversion work Roger R. Thron Irrigation System # 146-3
4. Amount of water claimed (cubic feet per second) 2.23
2 Wells - 1 old shallow well and 1 new deeper well.
5. Source of water supply well.
6. Location of point of diversion Approx. 80 rods E. and 60 rods N. of the SW corner Sec. 36-99-53.

7. Annual period or periods during which water is to be used April - November County Turner
8. Use to be made of water. (Irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation 160
9. For irrigation use, 160 Total number of acres to be irrigated

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 SW 1/4 36-99-53	40		
NE 1/4 SW 1/4 36-99-53	40		
SE 1/4 SW 1/4 36-99-53	40		
SW 1/4 SW 1/4 36-99-53	40		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 0 years.
New Era, Parker, S. D. 57053
11. Choice of newspaper for Notice of Intent to Appropriate Water publication New Era, Parker, S. D. 57053
12. Principal Features of the Proposed Water Supply System.

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

Elec. Pump

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

Buried Pipeline To C.P.

C. Works proposed to apply water to beneficial use.

C.P. Sprinkler SystemEstimated Total Cost \$ 50,000.00

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 Turner) ss.

I, Roger Thron 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 Roger ThronSubscribed and sworn to before me this 15 day of April 1977

Notary Public (or other qualified officer)

M. J. SOMMERVOLD
 Notary Public, STATE OF SOUTH DAKOTA
 My Commission Expires February 11, 1984

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3400-3

ROGER R. INNEN
(Applicant)

HURLEY
(Post Office Address)

SOUTH DAKOTA 57036 With the following modifications:
(State)

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.

LANDS COVERED UNDER THIS PERMIT ARE ALSO COVERED UNDER PERMIT NO 146-3. COMBINATIONS OF DIVERSIONS UNDER THE TWO PERMITS SHALL NOT EXCEED THE STATUTORY LIMIT OF ICFS FOR EACH 70 ACRES IRRIGATED.

Date of first receipt of application APRIL 18, 19 77

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

Date of receipt of corrected application _____, 19 _____

Approved MAY 25, 19 77, Recorded in Book 19 Page 205

WATER RIGHT PERMIT NO. 3400-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3400-3 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 NOVEMBER 24, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 25, 19 77
3. The whole of said work is to be completed on or before MAY 25, 19 78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 25, 19 78
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 2.28 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 25, 19 78; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 20th day of JANUARY, 19 78

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 22, 19 80

Water License Issued SEPTEMBER 22, 19 80

BEST IMAGE POSSIBLE FROM POOR ORIGINAL

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SW 1/4 36 99 53
 Well owner: Roger T. Tinner (Name) (Address)
 Date well drilling completed: 4 5 Purpose of well: Domestic, irrigation, farm pond, etc.

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	ft.
0-2	Black dirt	Depth to static water level	ft.
2-7	Yellow clay	Name of producing aquifer (if known)	
7-12	Gravel	Total depth of drill hole	169'
12-20	Water bearing gravel	Depth to bottom of casing	31'
20-22	Hard water bearing gravel	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
22-25	Gravel & sand & blue clay		
25-30	Hard water bearing gravel	169' Steel Casing	
30-55	Blue clay		
55-67	Granite	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
67-95	Blue clay, sand & gravel		
95-130	Blue clay	31' Stainless steel screen	
130-160	Hard water bearing gravel		
160-175	Gravel & sand & granite	If a flowing well, flow of completed well	
175-190	Gravel & granite		
190-193	Clay	Gettine Industries	
193-198	Gravel, sand, clay		

(2) PUMP INSTALLATION

Company name and size of pump: _____ HP
 Type of pump: _____ Capacity of installed pump: _____ G.P.M.
 Depth of pump placement: _____ ft., Date of pump installation: _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 454, MINNESOTA WELL CONSTRUCTION STANDARDS.

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

Name of Pump Installation Contractor

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 18", Depth 198'
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 1 1/2" Thickness 1/4"
- (3) Perforated Screen.
- Type Stainless Steel, Diameter 1 1/2", Length 31'
- (4) Gravel Pack, Thickness 2", Length of gravel pack 190'

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 Copy of log attached.

Depth to top of water bearing material 69'

Depth to bottom of water bearing material 198'

Thickness of water bearing material 129'

Depth to water (ground surface to water level) 116'

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

On same owner's property 80 rds. On property owned by others 350 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.

n/a

X Regis Shuen
Signature of Applicant

CONSERVATION
COMMISSION
FORM #1

3900-3



STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION)

NAME Roger R. Ihnen
ADDRESS Hurley, S. Dak. 57036
COUNTY Turner

LEGAL DESCRIPTION

1. WELL LOCATION: Approx. 80 rods E. and 80 rods N. of the SW corner Sec. 36-99-53
2. LOCATION OF AREA TO BE IRRIGATED The SW 1/4 36-99-53

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X _____ GUN _____
4. CROPS TO BE IRRIGATED Corn, Soybeans, Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 77-610
6. SALINITY (EC x 10⁶) 14.57 (high)
7. SODIUM (SAR) 1.04 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and: the soils information has been acquired from Turner Co. Conservation District, County Extension office or Soil Conservation Service. and: that the legal description for the location of the well and land to be irrigated is true and correct.

Roger R. Ihnen
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
22 DAY OF July 19 77.

M. J. SOMMERVOLE

Notary Public, STATE OF SOUTH DAKOTA

My Commission Expires February 11, 1982 (SOILS INFORMATION ON REVERSE SIDE)

[Signature]

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

Submitted by: Roger Ihnen Date Rec'd: April 19, 1977
 Address: Burley, SD 57036 Sample No. 77-610
 Identification: Well-198
SW4, Sec. 36, T 99N, R 53W

WATER ANALYSIS

Calcium (Ca)	232	ppm*	11.60	me/l**
Magnesium (Mg)	48	ppm	3.94	me/l
Sodium (Na)	67	ppm	2.91	me/l
Potassium (K)	8	ppm	0.21	me/l
Sulfate (SO ₄)	490	ppm	10.19	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	7	ppm	0.20	me/l
Bicarbonate (HCO ₃)	398	ppm	6.52	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)	326	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1457	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.04			
Sodium	15.59	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.27			
Others:				

*ppm=parts per million
 **me/l=milliequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 18.66 me/l
 Total anions 16.91 me/l

By: Shirley Mitten

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-610

Amount Enclosed \$

Signed

April 26, 1977

Mr. Roger R. Ihnen
Hurley, SD 57036

Dear Mr. Ihnen:

Your water sample (Lab. No. 77-610) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

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

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

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

Sincerely yours,

L. C. Fino

L. C. Fino
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission
D. Pahl, Extension Service

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 3900-3

(1) WHEREAS, On the 18th day of April 77
Roger R. Thuen A. D. 19

made Water Right Application No. 3900-3 for a permit to use 2.28 cubic feet per second of the waters
of groundwater (two wells) *
County of Turner, State of South Dakota, for irrigation

purposes; and
(2) WHEREAS, On the 25th day of May 77
3900-3 Permit No. 3900-3, with a date of priority of November 29, 1977 and May 11, 1955
78
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 25th day of May 78 A. D. 19
application to beneficial use of said water on or before the 25th day of May 78 A. D. 19

* WHEREAS, on September 22, 1980 the Applicable portions of Vested Right No. 146-3 have
been incorporated into this Water License No. 3900-3,

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 2.0 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent,
to irrigate a 140 acre circle in the SW¹, Section 36, T99N, R53W

(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 Roger R. Phnon

_____ of Hurley, South Dakota
the holder _____ and owner _____ of said permit No. 3900-3 a water right, dating from November 29, 1977 and
May 11, 1955 to use of 2.0 cubic feet per second of the waters
of groundwater (two wells)
in the County of Turner and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at Well #1 - in the approximate center of SW $\frac{1}{4}$ and
Well #2 - north 43 $^{\circ}$ east, 118 rods from SW corner both in Section 36, T99N, R53W

and conducted to and upon a 140 acre circle in the SW $\frac{1}{4}$, Section 36, T99N, R53W

for the purpose of for irrigation

Portions of this Water License No. 3900-3 is based on a Vested Right claim recorded and
filed by the Water Resources Commission (now the Water Management Board)

Subject to any limitations listed in Water Right Permit No. 3900-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 22nd day of September A. D.
Nineteen Hundred and Eighty

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

Permit No. *3900-3

Water Diversion No. 3 Vermillion River Water District
10170102

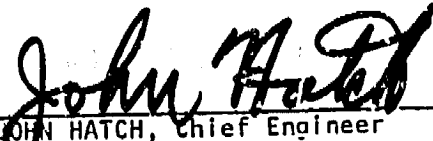
CERTIFICATE OF CONSTRUCTION

This is to Certify, That Roger B. Ihnen

_____ the holder _____ of
Permit No. 3900-3, issued upon Application No. 3900-3, bearing date of priority of * November 29, 1977
6 May 11, 1955 authorizing the diversion of 2.28 cu. ft. per second of the waters of _____
groundwater (two wells) County of Turner, State of South Dakota at _____
* Well #1 - in the approximate center of SW 1/4 and Well #2 - north 43° east,
118 rods from SW corner both in Section 36, T99N, R53W
_____, 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 2.00 cu. ft. per second of water.

Date September 22, 1980


JOHN HATCH, Chief Engineer
Water Rights Division

NOTE: The applicable portions of Vested Right No. 146-3 have been
incorporated into this Water License No. 3900-3

LAND HAS BEEN IRRIGATED
UNDER PERMIT NO 146-3
SINCE 1957

No 3900-3

Publish first publication, on or before May 17, 1977

**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

April 26, 1977

Notice is hereby given that Roger R. Ihnen

whose post office address is Hurley, 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

2.20 cubic feet of water per second of time from the ground water through the

Roger R. Ihnen # 146-3, the point of diversion of which is to be located in the

near the center of the SW $\frac{1}{4}$

of Section 36, Twp. 99N, Range 53W. Said water to be used for the purpose of providing irrigation on the following described land:

SW $\frac{1}{4}$, Section 36, T99N, R53W

This application No. 3900-3 will be considered by the Water Rights Commission at their office at Pierre upon the 25th day of May, 1977, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

JAMES WINTERTON
Water Rights Specialist

BEJ/bw

cc: Roger R. Ihnen, Hurley, SD 57036

Affidavit of Publication

STATE OF SOUTH DAKOTA)
) ss.
COUNTY OF TURNER)

Earl J. Bormann

of said County and State, being duly sworn, on his oath says:
THE 'NEW ERA' is a weekly newspaper of general circulation, printed and published in Parker, in Turner County and State of South Dakota by Earl J. Bormann, and has been such a newspaper during the times hereinafter mentioned; that the said newspaper is a legal newspaper, that it has a bona fide circulation of more than 200 copies weekly, that it has been published within said county of Turner in the English language for more than fifty-two successive weeks next prior to the publication of the notice hereinafter mentioned, and has been printed during said period and at the present time, in whole or in part in an office maintained at the said place of publication; and that I, the undersigned, am

ma nager--owner

of said newspaper, in charge of the advertising department thereof, and have personal knowledge of all facts stated in this affidavit; that the advertisement headed NOTICE OF INTENT TO APPROPRIATE WATER

re: Ihnen, Roger, TC, S. D.

a printed copy of which is hereto attached, was printed and published in the said newspaper for two weeks; that said notice was published in the issues of said newspaper on the dates as follows: to-wit:

The first publication being made on Thursday, May 5th, 1977.;
the second publication on Thursday, May 12th, 1977.;
the third publication on _____, 19____.;
the fourth publication on _____, 19____.;
the fifth publication on _____, 19____.;
the sixth publication on _____, 19____.;
and the last publication on _____, 19____.;

that \$ 11.83, the full amount of the fee charged for publication of the annexed notice, insures solely to the benefit of the publishers of the said newspaper; that no arrangements or understanding for a division thereof has been made with any person, and that no part thereof has been agreed to be paid to any person whomsoever. 8 pt., 17.39 less 80%

Earl J. Bormann
Subscribed and sworn to before me this 28th day of November, 1977.

Notary Public, Turner County, South Dakota.

Earl J. Bormann

No. 3900-3
NOTICE OF INTENT TO APPROPRIATE WATER
Pierre, South Dakota 57501
April 20, 1977
Notice is hereby given that Roger R. Ihnen, whose post office address is Hurley, 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 2.28 cubic feet of water per second of time from ground water through the Roger R. Ihnen No. 146-3, the points of diversion of which are to be located in the near the center of of the SW 1/4 of Section 36, Twp. 99N, Range 63W. Said water to be used for the purpose of providing irrigation on portions of the following described land:
SW 1/4, Section 36, T99N, R 63W.
This application No. 3900-3 will be considered by the Water Rights Commission at their office at Pierre upon the 25th day of May, 1977, at 10:00 A.M. All interested persons may appear and be heard.
WATER RIGHTS COMMISSION
By: JAMES WINTERTON
Water Rights Specialist
EFJ/bw
cc: Roger R. Ihnen, Hurley, S. D. 57036.
(2tc6—May 5 & 12, 1977)



Publication Fees \$ 11.83
Notary fee .25
Received Payment, \$12.08

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7701

PIERRE, September 22, 19 20

RECEIVED OF Roger Ihnen, Hurley, SD 57036

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. 3900-3	50.	00
Fee for Inspecting Beneficial Use, and issuing Water License No. 3900-3		
Fee for issuing Location Certificate-Dry Draw, No. _____		
Fee for filing _____		
Fee for certified copy of _____		
Fee for Print copy of map _____		
Fee for Certifying _____		
Fee for _____ (any other work as provided by law)		
TOTAL	50.	00

WATER RIGHTS COMMISSION

By *(John Hatch)*
Chief Engineer, Executive Officer
JOHN HATCH / *(J)*

Permit No. 3900-3
 Water Division 3 Vermillion River Water District

REPORT OF EXAMINATION OF WORKS
 AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by ROGER
INNEN of HURLEY holder
 of Permit No. 3900-3, bearing date of priority of NOVEMBER 29, 1977
 authorizing the diversion of 2.28 cu. ft. per second of the waters of GROUNDWATER
 for IRRIGATION purposes, in TURNER 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:

198' DEEP WELL WITH 14" STEEL CASING - 30' SS SCREEN
NATIONAL 8" PUMP #16XB - SERIAL 376-274
NEWMAN 75 HP ELECTRIC MOTOR

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

30' OF 8" MAINLINE TO CENTER OF PLOT

C. Works used to apply water to beneficial use.

10 TOWER VALLEY CORNER IRRIGATION SYSTEM

The system is in the following condition: GOOD

The point of diversion is located N 43° E, 118 RODS FROM THE SW
CORNER, SECTION 36, T99N, R53W

The works are capable of diverting and conveying to the place of use 2.0 (900 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:

FOR IRRIGATING A 140 ACRE "CIRCLE" IN THE
SW⁴, SECTION 36, T99N, R53W

comprising a total of 140 acres of land.

Date JUNE 19, 1980
Arthur J. [Signature]
 (Signature)

No. 3900-3

**SOUTH Dakota Department of
Water & Natural Resources**

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

September 23, 1980

Roger R. Ihnen
Hurley,
South Dakota 57036

Dear Mr. Ihnen:

Enclosed herewith are, Water License No. 3900-3 and Certificate of Construction.

Water License No. 3900-3 is the final water right document completing your process of obtaining a 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 Division

JH: kw

enclosures

NOTE: The applicable portions of Vested Right No. 146-3 have been incorporated into this Water License No. 3900-3.

WNR-817-7/79
Transmittal of Water License

RECEIVED

JAN 02 2015

WATER RIGHTS
PROGRAM

Attention Jeanne Goodman

These are the well permits that I mentioned that need to have more acres added after we put corners on the systems.

Permit no 3900-3 is permitted for 140 acres, I'm now irrigating 150 acres

Permit no 1931-3 is permitted for 132 acres, I'm now irrigating 150 acres

Roger Ihnen

Roger Ihnen

Po Box 213

Lenora SD 57039

Cell no. 605-661-0995

home 605-647-2102



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

January 21, 2015

Roger Ihnen
PO Box 213
Lennox SD 57039

Dear Mr. Ihnen:

Water Rights Program is in receipt of your letter dated January 2, 2015 regarding irrigation of more acres than authorized by your water rights. Enclosed are application forms for increasing the number of acres authorized under Water Right Nos. 1931-1 and 3900-3. Also, enclosed is each water right.

Water Right No. 1931-3 appropriates 1.9 cubic feet of water per second (cfs) from one 47 feet deep well (Parker-Centerville Aquifer) located in S1/2 SE 1/4 Section 36 to irrigate 132 acres located in the SE 1/4 Section 36; all in T99N-R53W. Your letter indicates 150 acres are now being irrigated.

Water Right No. 3900-3 appropriates 2.0 cfs from two wells located in the SW 1/4 Section 36 to irrigate 140 acres located in the SW 1/4 Section 36; all in T99N-R53W. Our records indicate that the well located in the approximate center of the SW 1/4 is 30 feet deep (Parker-Centerville Aquifer) and the other well located to the south of the center of the SW 1/4 is 198 feet deep and located in the Upper Vermillion:Missouri Aquifer (UVM). Your letter indicates 150 acres are now being irrigated.

You should be aware that currently there are water permit applications deferred from the UVM Aquifer in this area. The applications are deferred pending further study of the UVM Aquifer. DENR presumes you upgraded the irrigation systems resulting in more acres being irrigated. A new water permit is required for irrigation of acres greater than what is authorized by the existing water right in order to comply with water rights law and legally irrigate the additional acres.

If you have any questions, please contact Eric Gronlund at 605 773-3352.

Sincerely,

Karen Schlaak
Water Rights Program
karen.schlaak@state.sd.us

enclosures

ROGER R. THNEN IRRIGATION SYSTEM # 146-3
Roger R. Thnen, Owner
Hurley, SD 57036

99.53

5.1

27.6

3900-3
Area No. 3899-8
11/18/80

38.9

117.3

38.7

39.2

3-4

78.4

36

149.9

157.8

Area To Be Irrigated:

SW $\frac{1}{4}$ 36099-53 - 160 ac. (more or less)

Well #1 - old well

Well #2 - new deeper well

118 Rods - 430 E.

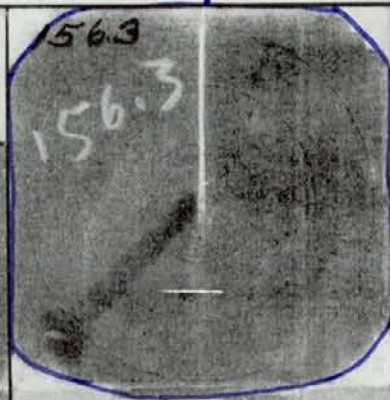
99.53



NOT TO SCALE

99-53

PERMIT NO 2897.3



148.0

4.6

156.3

22.4

172.3

5.5

96

149.9

6.9

130.5

6.8

149.9

3000.3
(146.3)

1931.3

7.6

7.2

99-53



115.3

99.53

5.7

27.6

38.9

117.3

38.7

39.2

3-4

78.4

3L

149.9

157.8

2624
1312

1300

12000

99.53

Chain drive
on here
05