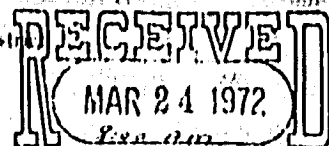


Water Right Number 1931-3

1. Considered MAY 17, 19 72
2. Name of Applicant ROGER R. IHEN
3. Post Office Address HURLEY, S.D.
4. Amount of water claimed 2.28
5. Source of water supply GROUND WATER
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in TURNER County
about 2E 4N Miles of HURLEY
8. Proof of Publication
Received 4-20-72
Not received _____
9. Application
Approved _____
Subject to _____
Not approved _____
Action deferred _____
10. Remarks:

No. 1931-3Map No. 1365.3 Water Division No. 3 VERMILLION RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

STATE WATER RESOURCES COM. 1.
PIERRE, SOUTH DAKOTA

To Appropriative Water within the State of South Dakota

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

1. Name of Applicant Roger R. Ihnen
 Postoffice address Harley, State S. DAK.
 If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract3. Name of diversion work Roger Ihnen H. S.4. Amount of water claimed (cubic feet per second) 2.5 cfs5. Source of water supply Well6. Location of point of diversion Center of Section 36, T 22 N, R 53 WCounty Turner Turner County S. D.7. Annual period or periods during which water is to be used April - Nov.8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation9. 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>SW 1/4 SE 1/4 S 36 T 22 N R 53 W</u>	<u>40</u>		
<u>SE 1/4 SE 1/4 " " "</u>	<u>40</u>		
<u>NE 1/4 SE 1/4 " " "</u>	<u>40</u>		
<u>NW 1/4 SE 1/4 " " "</u>	<u>40</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 3 years.11. Choice of newspaper for Notice of Intent to Appropriative Water publication Harley Leader

12. Principal Features of the Proposed Water Supply System.

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

Well

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

C. Works proposed to apply water to beneficial use.

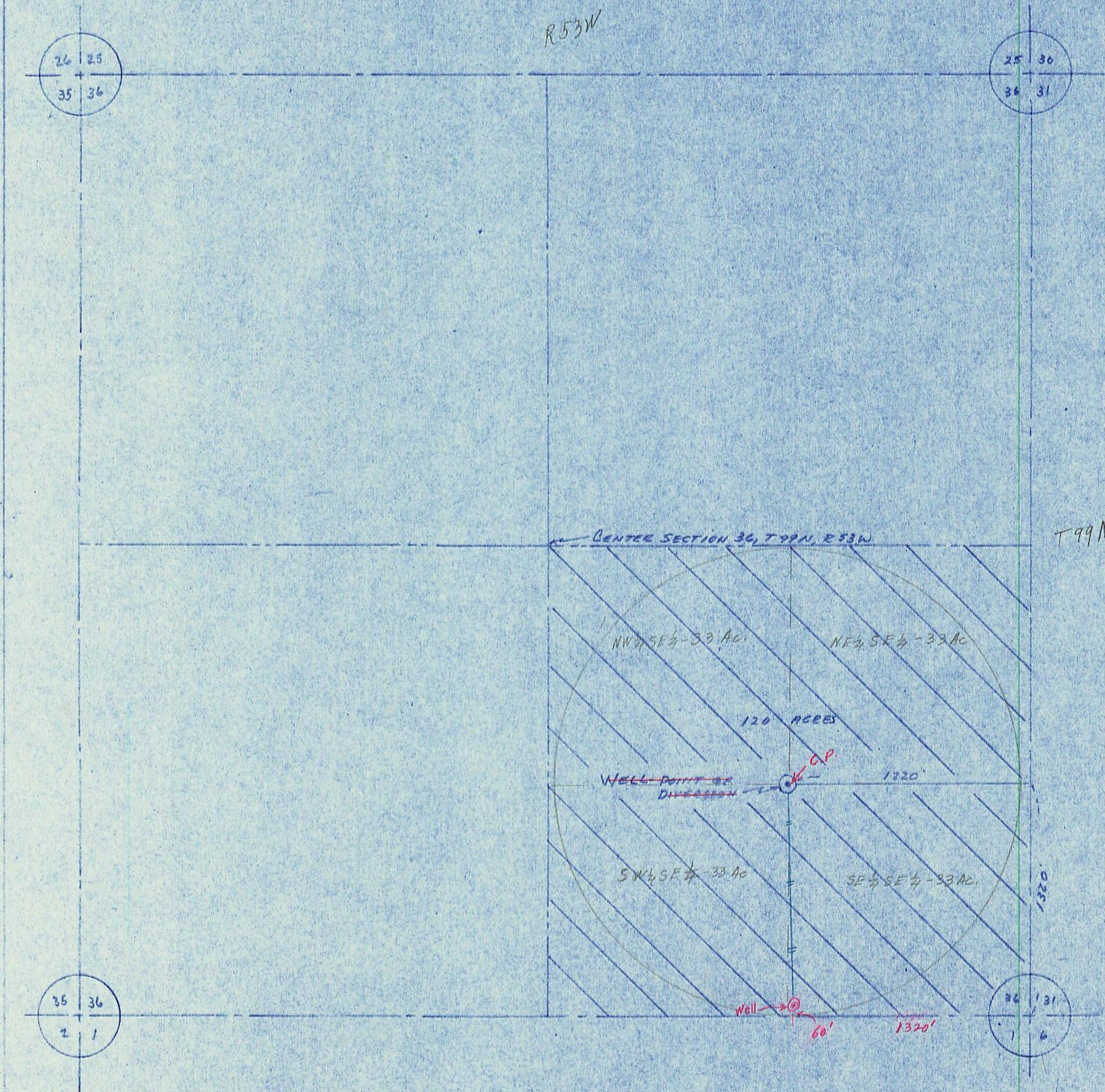
Center Pivot irrigation systemEstimated Total Cost \$25,000.00Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of TURNERI, Roger R. Ihnen the applicant, certify that I have read the foregoing application and have examined the attached map and the matters therein stated are true and that I intend, and am able to complete the necessary construction.Signed Roger R. IhnenSubscribed and sworn to before me this 8 day of March, 19 72

My commission expires 10-2-1974

Notary Public (or other qualified officer)



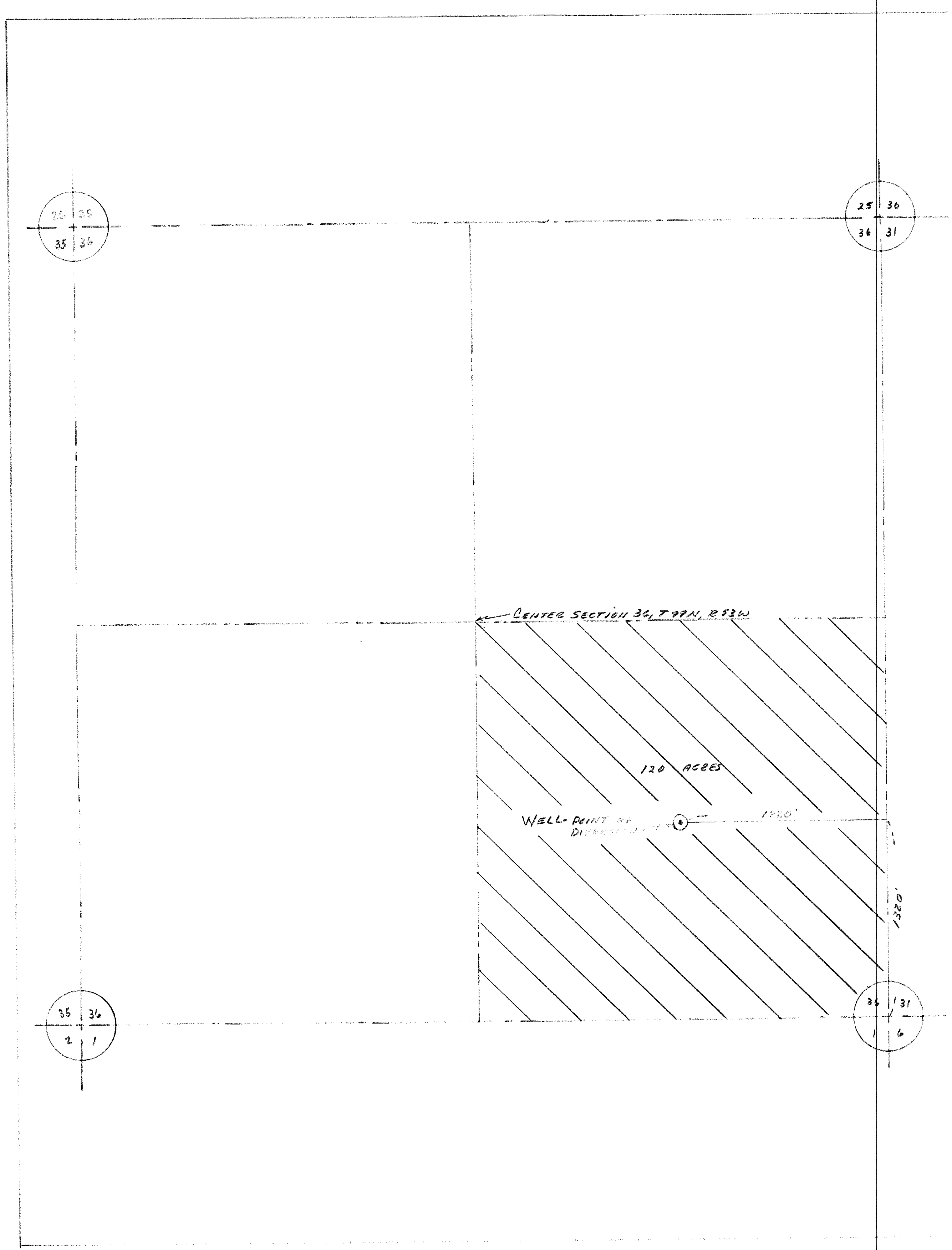
IRRIGATED AREA - BY LEGAL SUBDIVISION
120 ACRES: SE 1/4 SECTION 36, T99N, R53W, 5TH PM

SURVEYOR'S CERTIFICATE
STATE OF SOUTH DAKOTA) 53
COUNTY OF BEADLE)
I, HARLAN W. MEYER, A REGISTERED LAND SURVEYOR
IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY
CERTIFY THAT AT THE REQUEST OF ROGER R. IHLEN,
SOLE OWNER, I HAVE SHOWN THE LAND PROPOSED TO BE IRRIGATED
WITHIN HIS OWNERSHIP BOUNDARIES ON MARCH 22, 1972 FOR WHICH
APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE AND
THIS MAP IS A TRUE REPRESENTATION OF THE SAME.
WITNESS MY HAND AND SEAL THIS 22ND DAY OF MARCH 1972.

Harlan W. Meyer
REGISTERED L.S. 445

ROGER R. IHLEN IRRIGATION PROJECT #2
SHOWS AREA TO BE IRRIGATED & WELL LOCATION
WHERE WATER WILL BE DIVERTED. FOR PERMIT
TO APPROPRIATE WATER

OWNER: ROGER R. IHLEN
SURVEYOR: HARLAN W. MEYER



IRRIGATED AREA - BY LEGAL SUBDIVISION
160 ACRES: SE 1/4 SECTION 36, T99N, R53W, 5TH PM

SURVEYOR'S CERTIFICATE
STATE OF SOUTH DAKOTA) ss
COUNTY OF BEADLE) ss
I, HARLAN W. MEYER, A REGISTERED LAND SURVEYOR
IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY
CERTIFY THAT AT THE REQUEST OF ROGER R. IHLEN,
SOLE OWNER, I HAVE SHOWN THE LAND PROPOSED TO BE IRRIGATED
WITHIN HIS OWNERSHIP BOUNDARIES ON MARCH 22, 1972 FOR WHICH
APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE AND
THIS MAP IS A TRUE REPRESENTATION OF THE SAME.
WITNESS MY HAND AND SEAL THIS 22ND DAY OF MARCH 1972.

Harlan W. Meyer
REGISTERED L.S. #495

SCALE 1" = 400'

ROGER R. IHLEN IRRIGATION PROJECT #2
SHOWS AREA TO BE IRRIGATED & WELL LOCATION
WHEREAS WATER WILL BE DIVERTED. FOR PERMIT
TO APPROPRIATE WATER

OWNER
SURVEYOR

ROGER R. IHLEN
HARLAN W. MEYER

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1931-3

ROGER R. INNEN
(Applicant)

HURLEY
(Post Office Address)

SOUTH DAKOTA
(State) With the following modifications:

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 existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application MARCH 24 19 72
Date of return to applicant for correction, amendments or changes required — 19 —
Date of receipt of corrected application — 19 —
Approved MAY 17 19 72 Recorded in Book 12 Page 99

WATER RIGHT PERMIT NO. 1931-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1931-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is MARCH 24 19 72
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 17 19 74
3. The whole of said work is to be completed on or before MAY 17 19 77
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 17 19 80
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 2.28 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 17 19 80; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 18TH day of MAY 19 72

WATER RESOURCES COMMISSION

By:

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 13 19 77

Water License Issued SEPTEMBER 13 19 77

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 5 1/2", Depth 45'
- (2) Casing, Type Concrete (wood, concrete, steel, etc) Diameter 12" Thickness 1 1/2"
- (3) Perforated Screen.
Type Slotted, Diameter 1 1/2", Length 4'
- (4) Gravel Pack. Thickness 4", Length of gravel pack 40'

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 Gravel 15'-20'

Depth to top of water bearing material 12'

Depth to bottom of water bearing material 45'

Thickness of water bearing material 35'

Depth to water (ground surface to water level) 12'

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

On same owner's property 0 rds. On property owned by others 140 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.

Rene R. Shivers
Signature of Applicant

WATER LICENSE NO. 1931-3

(1) WHEREAS, On the 24th day of March A. D. 19 72
Roger R. Ihnen

made Water Right Application No. 1931-3 for a permit to use 2.28 cubic feet per second of the waters
of ground water

County of Turner, State of South Dakota, for Irrigation

purpose; and

(2) WHEREAS, On the 17th day of May A. D. 19 72
Permit No. 1931-3, with a date of priority of March 24, 1972

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 17th day of May A. D. 19 77 and for the
application to beneficial use of said water on or before the 17th day of May A. D. 19 80

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 1.9 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 132 acre circle in the SE1/4, 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. Ihnen

_____ of Hurley
the holder _____ and owner _____ of said permit No. 1931-3 a water right, dating from March 24, 1972
_____ to use of 1.9 cubic feet per second of the waters
of ground water

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 _____
a point 1320'W and 60'N of the SE corner, Section 36, T99N, R53W

and conduct to and upon a 132 acre circle in the SE 1/4, Section 36, T99N, R53W

for the purpose of Irrigation

Subject to any limitations listed in Water Right Permit No. 1931-3 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 September A. D.
Nineteen Hundred and seventy-seven

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer JOHN HATCH

Permit No. 1931-3

Water Diversion No. 3 Vermillion River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Roger R. Hinen

_____ the holder _____ of
Permit No. 1931-3, issued upon Application No. 1931-3, bearing date of priority of March 24,
1972 authorizing the diversion of 2.28 cu. ft. per second of the waters of _____
ground water County of Turner, State of South Dakota at _____
a point 1320'W and 60'N of the SE corner, Section 36, T59N, 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 2.0 cu. ft. per second of water.

Date September 13, 1977

By:

~~WATER RESOURCES COMMISSION~~
WATER RIGHTS COMMISSION

John Hatch
JOHN HATCH, Chief Engineer

No. 1931-3Publish first publication, on or before April 10, 1972**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

March 27, 1972Notice is hereby given that Roger R. Ihnenwhose 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 use2.26 cubic feet of water per second of time from the ground water through theRoger Ihnen #2, the point of diversion of which is to be located in the _____**Center of the SE $\frac{1}{4}$** of Section 36, Twp. 99N, Range 53W. Said water to be used for the purpose

of providing irrigation on the following described land:

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

This application No. 1931-3 will be considered by the Water Resources Commission at their office at Pierre upon the 17th day of May, 1972, at 2:00 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By

BURTON F. JONES, Water Rights Specialist

cc: Roger R. Ihnen, Hurley, S.D. 57 036

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Turner) ss.

I, Ken Hofmeister hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Hurley Leader

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 Hurley

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

March 30, 1972

April 6, 1972

April 13, 1972

April 20, 1972

Ken Hofmeister
(Signature)

Editor
(Title)

April 20, 1972
(Date Signed)

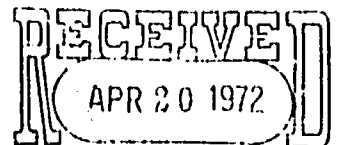
NOTICE INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501
March 24, 1972

Notice is hereby given that
Roger R. Ihnen whose post office
address is Hurley, South Dakota,
has made an application in ac-
cordance 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
Ihnen No. 2, the point of diver-
sion of which is to be located in
the Center of the SE $\frac{1}{4}$ of Sec-
tion 36, Twp. 99N, Range 53W.
Said water to be used for the
purpose of providing irrigation
on the following described land:
SE $\frac{1}{4}$, Section 36, T99N, R53W.
This application No. 1931.3
will be considered by the Water
Resources Commission at their
office at Pierre upon the 17th
day of May, 1972, at 2:00 P.M.
All interested persons may ap-
pear and be heard.

WATER RESOURCES COM-
MISSION

By: BURTON F. JONES,
Water Rights Specialist
cc: Roger R. Ihnen, Hurley, S. D.
57036
Pub. Mar. 30, Apr. 6, 13, 20 -72



STATE WATER RESOURCES COMM
PIERRE, SOUTH DAKOTA

1891-3 Roger Thorne

1891-3 Western Land Co.

Land E 7244

Scamp Road. E.M.

Hagerman, E. M.

60 H.P. - 1770 R.P.

1891-3 E. M. Hagerman

W 1126601

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

1891-3 1326 W. 60

Permit No. 1931-3Water Division 3 Vermillion 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 Roger R. Ihnon of Hurley, S. Dak. 57036 holder of Permit No. 1931-3, bearing date of priority of March 24, 1972 authorizing the diversion of 2.28 cu. ft. per second of the waters of Well 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:

Pump - Western Land Roller - Pump Head S.N. # 12ch
Ser# E 72340, Pumping 800 gpm
Newman Electric Motor - Frame # 364TP/DD31521B
60 HP., 1770 RPM.

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

Aluminum Pipe - 8" dia. - 1260 ft long.

C. Works used to apply water to beneficial use.

Valley C.P. Model. 2860, Ser# 9219.
132 Ac.

The system is in the following condition: GoodThe point of diversion is located 1320 ft. West and 60 ft North of the SE corner of Section 36, T99N R53WThe works are capable of diverting and conveying to the place of use 2.0 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. 36, T99N R53W
NW 1/4 SE 1/4 - 33 Ac., NE 1/4 SE 1/4 - 33 Ac., SW 1/4 SE 1/4 - 33 Ac.
SE 1/4 SE 1/4 - 33 Ac.

comprising a total of 132. acres of land.

Well data:

Depth 47 ft.Depth to water 8 ftCapacity 1000 gpmDate Jan 10 1977

Larry J. Munn
(Signature)

South Dakota Department of
Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

#1731-3
#3902-3

February 17, 1989

Roger R. Ihnen
Rt. 1, Box 19
Hurley, SD 57036

Dear Mr. Ihnen:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;



Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,

John Hatch
for JOHN HATCH, Chief Engineer
Water Rights Division

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

Lennox 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